



TUGAS AKHIR – RC4803

**PENGARUH *STEEP APPROACH* TERHADAP
OPERASIONAL RUNWAY**

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Dosen Pembimbing

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Fakultas Teknik Sipil, Lingkungan, dan Kebumian

Institut Teknologi Sepuluh Nopember

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FINAL PROJECT – RC4803

EFFECT OF STEEP APPROACH ON RUNWAY OPERATION

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PENGARUH STEEP APPROACH TERHADAP OPERASIONAL RUNWAY

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PENGARUH STEEP APPROACH TERHADAP OPERASIONAL RUNWAY

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Abstrak

Kebutuhan transportasi udara terus meningkat dari tahun ke tahun. Peningkatan kebutuhan ini berdampak kepada bertambahnya jumlah penerbangan dan ini berdampak pula pada lingkungan sekitar bandar udara. Salah satu dampak lingkungan yang secara langsung dapat dirasakan adalah dampak kebisingan dari operasional pesawat. Untuk menanggulangi masalah kebisingan, ICAO menetapkan 4 elemen fokus pengelolaan yaitu sumber suara, pemanfaatan lahan, prosedur operasional dan pembatasan operasional. Dalam studi terdahulu, diketahui bahwa prosedur operasional penanggulangan kebisingan merupakan salah satu metode efektif dalam mengatasi masalah ini. Namun, dengan meningkatnya kebutuhan transportasi udara, dibutuhkan solusi yang efektif dalam menanggulangi kebisingan tanpa mengorbankan kapasitas. Dalam tugas akhir ini, akan dibandingkan kapasitas runway dengan sudut approach standar (3°) dengan sudut approach yang lebih tinggi (steep approach). Dengan data lalu lintas di peak hour eksisting, akan diketahui kapasitas runway awal menggunakan diagram ruang-waktu yang menghasilkan kapasitas ultimate dari runway tersebut. Kemudian dengan data lalu lintas yang sama, diperoleh kapasitas runway steep approach menggunakan diagram ruang-waktu. Dengan kapasitas runway ultimate dan kapasitas runway steep approach,

akan diketahui perbedaan kapasitas dari kedua metode approach. Dengan diketahuinya perbedaan kapasitas, maka bisa diketahui pengurangan kapasitas akibat steep approach. Dari hasil pengamatan lalu-lintas pesawat dari tanggal 12-18 November 2018, ditemukan peak hour hari Minggu, 18 November 2018 pukul 12.00-13.00 WIB dengan jumlah 39 pergerakan. Komposisi pesawat kedatangan adalah 1 ATR 72 (4,3%), 1 Boeing 737-500 (4,3%), 7 Boeing 737-800 (30,4%), 7 Boeing 737-900ER (30,4%), dan 7 Airbus A320 (30,4%). Hasil analisis menggunakan diagram ruang waktu menunjukkan bahwa tidak terjadi pengurangan kapasitas dengan 34 pergerakan per jam. Jenis pesawat yang memenuhi target kecepatan 137 ± 4 kt adalah Airbus A320. Kesimpulan dari tugas akhir ini adalah steep approach tidak mengurangi kapasitas runway pada peak hour. Pada peak hour, pesawat cenderung homogen dalam tipe wake turbulence yang dihasilkan. Penggunaan ILS akan diperuntukkan bagi standard approach dan steep approach dapat menggunakan Microwave Landing System atau GBAS(Ground Based Augmentation System) Landing System. Terjadi pengurangan kebisingan tingkat 2 dari 1400 m menjadi 1282 m dan pada area perumahan sekitar bandara sebesar 60,5%.

Kata Kunci : Kapasitas Runway, Peak Hour, Steep Approach, Bandara Juanda, ILS.

EFFECT OF STEEP APPROACH ON RUNWAY OPERATION

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Abstrak

The need for air transport is increasing annually. This increase will certainly have an impact on environment in airport vicinity. One of the effect that easily noticeable is noise from aircraft operations. To reduce the impact, ICAO stated 4 focus elements to manage. Those elements are reduction of noise source, land use planning and management, noise abatement operational procedure, and operating restriction. In a study, noise abatement operational procedure helps to counter noise effectively. But with increase in air transport demand, an effective solution needed to reduce noise without sacrificing capacity. This study will compare runway capacity with standard approach (3°) and with steep approach. Using existing peak hour traffic, initial runway capacity will be known using time-space diagram and therefore this capacity will be the ultimate capacity of the runway. Then, using the same peak hour traffic, steep approach runway capacity will be known with the same analysis method. Both capacity will be compared to see the decrease in capacity. From observation on aircraft traffic from 12-18 November 2018, peak hour observed at Sunday, 18 November 2018 from 12.00-13.00 WIB with 39 movements. Arrival aircraft composition as follow: 1 ATR 72 (4,3%), 1 Boeing 737-500 (4,3%), 7 Boeing 737-800 (30,4%), 7

Boeing 737-900ER (30,4%), and 7 Airbus A320 (30,4%). From analysis, steep approach shows no reduction in capacity with 34 movements per hour. Aircraft type that satisfy approach speed target on steep approach is Airbus A320. Summary from this study are that steep approach not decrease the runway capacity at peak hour. At peak hour, aircraft composition leans on homogenous state when looking at wake turbulence category. ILS will available for standard approach and steep approach will be using either Microwave Landing System or GBAS (Ground Based Augmentation System) Landing System. Steep approach provides decrease in level 2 noise from 1400 m to 1282 m and in housing area within airport vicinity by 60,5%.

Keyword : Runway Capacity, Peak Hour, Steep Approach, Juanda Airport, ILS.

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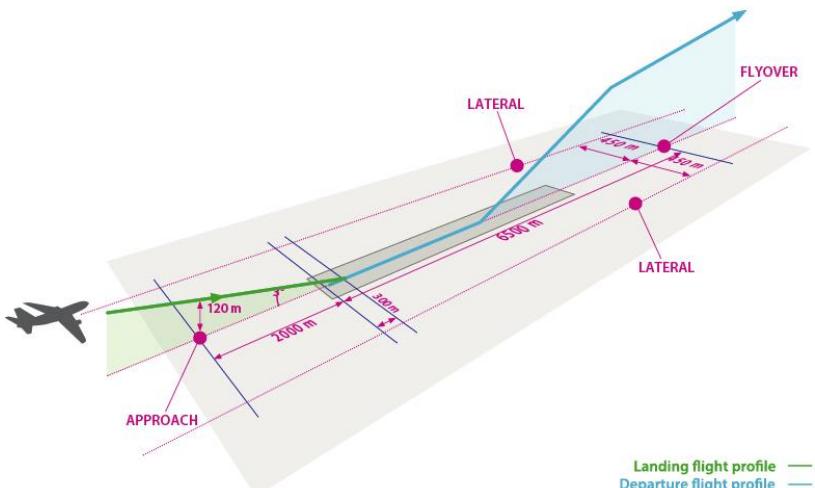
PENDAHULUAN

1.1 Latar Belakang

Di abad ke-21 ini, kebutuhan akan transportasi udara semakin meningkat. Di tahun 2017, terjadi peningkatan jumlah penumpang sebesar 8,1% dari tahun 2016. Jumlah ini lebih besar dibandingkan tahun sebelumnya yaitu sebesar 7,4% menurut IATA pada “Fact Sheet Industry Statistics June 2018”. Selain peningkatan jumlah penumpang, peningkatan permintaan kargo udara juga meningkat 9,7% di tahun 2017. Untuk melayani pertumbuhan penumpang, beberapa negara telah membuat atau mengaktifkan kembali bandar udara di tengah kota untuk meringankan beban dari bandar udara utama yang biasanya terletak di luar kota. Meskipun begitu, kapasitas bandara di tengah kota lama-kelamaan akan terpenuhi. Dengan pertumbuhan tersebut, maka dapat diperkirakan bahwa bandara akan melayani lebih banyak penerbangan per hari nya. Kenaikan jumlah penerbangan ini tentu mempengaruhi lingkungan di sekitar bandara. Kualitas udara dan kebisingan merupakan salah satu tantangan lingkungan dalam pengoperasian bandar udara.

Kebisingan merupakan salah satu tantangan dalam pengoperasian bandar udara. Masyarakat yang secara historis memiliki kediaman di sekitar bandar udara atau pendatang yang baru menempati tempat tersebut adalah golongan yang terpapar langsung dengan kebisingan ini. Menurut Antoine dan Kroo ditahun 2004, masyarakat yang bertempat tinggal di kawasan *approach* dari bandar udara dapat terpapar kebisingan hingga 91,6 EPNdB pada 2 km dari landas pacu atau termasuk Kawasan kebisingan tingkat III pada PP No. 40 Tahun 2012. Kawasan kebisingan tingkat

III dapat digunakan sebagai jalur hijau dan lahan pertanian yang tidak mengundang burung, bukan sebagai kawasan tinggal.



Gambar 1.1 Metodologi Pengetesan Kebisingan Pesawat
(Sumber: EASA, 2016)

Pada gambar diatas, garis hijau merupakan jalur *approach* pesawat dan garis biru merupakan jalur lepas landas. Kebisingan diukur dari titik 2000 m dari kedua *runway threshold*, serta pengukuran kebisingan lateral diukur pada 450 m tegak lurus dari *runway centerline*.

Untuk menanggulangi masalah kebisingan, ICAO menetapkan 3 tahapan. Tahap pertama yaitu asesmen kebisingan yang terjadi. Tahap berikutnya yaitu pengelolaan 4 elemen utama dalam menanggulangi kebisingan. Empat elemen utama tersebut yaitu pengurangan suara dari sumbernya, perencanaan dan pengelolaan penggunaan lahan, prosedur operasional dalam penanggulangan kebisingan, dan pembatasan operasional pesawat. Kemudian, tahap terakhir adalah analisis serta pemilihan

solusi. Salah satu metode penanggulangan kebisingan dengan prosedur operasional yaitu dengan menggunakan metode *steep approach*. Metode *steep approach* menggunakan sudut yang lebih tinggi pada saat *approach* sehingga menghasilkan jalur yang lebih tinggi dari *approach* pada umumnya dan mengurangi paparan kebisingan terhadap masyarakat yang berada di sekitar bandar udara (Antoine dan Kroo, 2004). Berikut adalah gambar contoh siklus pendaratan dan lepas landas:



Gambar 1.2 Siklus Mendarat dan Lepas Landas
(Sumber: EASA, 2016)

1.2 Perumusan Masalah

Rumusan masalah dari penelitian ini adalah sebagai berikut:

1. Bagaimana pengaruh *steep approach* terhadap kecepatan *approach* pesawat yang sekarang beroperasi?
2. Berapa kapasitas runway *ultimate* berdasarkan lalu lintas udara terkini?
3. Berapa kapasitas runway dengan *steep approach*?
4. Bagaimana pengaruh *steep approach* terhadap peralatan navigasi lain?
5. Bagaimana pengaruh *steep approach* terhadap kebisingan pada area sekitar bandara?

1.3 Ruang Lingkup

Ruang lingkup dalam penelitian ini adalah sebagai berikut:

1. Data pesawat dan data lalu lintas menggunakan data Bandar Udara Internasional Juanda.
2. Penulis tidak memperhitungkan faktor pilot dan struktural dari pesawat.
3. Penulis tidak memperhitungkan faktor cuaca dan arah angin.

1.4 Tujuan Penelitian

Tujuan dari penelitian ini adalah sebagai berikut:

1. Mengetahui pengaruh *steep approach* terhadap kecepatan *approach* pesawat yang sekarang beroperasi.
2. Mengetahui kapasitas runway *ultimate* berdasarkan lalu lintas udara terkini.
3. Mengetahui kapasitas runway dengan *steep approach*.
4. Mengetahui pengaruh *steep approach* terhadap peralatan navigasi lain.
5. Mengetahui pengaruh *steep approach* terhadap kebisingan pada area sekitar bandara.

1.5 Manfaat Penelitian

Adapun manfaat dari penelitian ini adalah sebagai berikut:

1. Bagi pengelola prasarana transportasi udara: sebagai salah satu referensi dalam menanggulangi masalah kebisingan dalam operasi bandar udara.
2. Bagi stakeholder: sebagai referensi mengenai operasi bandar udara dalam mengurangi kebisingan serta dampaknya terhadap operasional.
3. Bagi peneliti: meningkatkan pemahaman mengenai *steep approach* sebagai metode penanggulangan kebisingan dan dampaknya bagi operasi bandar udara. Serta mengetahui pengaruh *steep approach* terhadap kebisingan di lingkungan bandara.

BAB II

TINJAUAN PUSTAKA

2.1 Pengaruh Kebisingan pada *Steep Approach*

Dalam menanggulangi permasalahan kebisingan, ICAO pada buku *Guidance on the Balanced Approach to Aircraft Noise Management* menetapkan salah satu metode operasional dalam menanggulangi kebisingan yaitu pengaturan prosedur *approach*. Perubahan profil pendaratan dapat mengurangi paparan kebisingan dari pesawat dengan menjaga profil *approach* lebih tinggi dari profil normal dan penangkapan sinyal *Instrument Landing System (ILS)* pada ketinggian yang lebih tinggi. Gambar 2.1 menjelaskan perbedaan profil *approach* antara *steep approach* dengan *standard approach*. Dampak dari penggunaan metode *steep approach* ini telah diteliti oleh Antoine dan Kroo di tahun 2004. Menurut penelitian Antoine dan Kroo, pada *approach* sumber kebisingan dominan yaitu dari bilah kipas mesin dan aerodinamik pesawat. Menggunakan data dari *The Aircraft Noise Prediction Program (ANOPP)* yang dikembangkan oleh *NASA Langley Research Center* dan program permodelan *NASA John H. Glenn Research Center at Lewis Field Engine Performance Program (NEPP)*, dapat diketahui perbedaan kebisingan dari beberapa sudut *approach*. Pengukuran dalam permodelan diukur dari jarak 2 km dari *runway threshold* sesuai dengan metode pengukuran kebisingan ICAO. Hasil penelitian dari Antoine dan Kroo menyebutkan bahwa penggunaan *steep approach* dari 3° menjadi $4,5^\circ$ dapat mengurangi kebisingan sebesar 7,7 EPNdB diikuti dengan pengurangan *Throttle* dari mesin. Hal ini dijelaskan pada tabel 2.1.

Tabel 2.1 Perbandingan Kebisingan Berdasarkan Sudut Approach

Angle, deg	Throttle, %	Noise, EPNdB
3,0	25,9	91,6
3,5	22,2	89,1
4,0	18,4	86,5
4,5	14,7	83,9

(Sumber: Antoine dan Kroo, 2004)



Gambar 2.1 Perbedaan Standard Approach 3° dan Steep Approach $4,5^\circ$

Menurut analisis Antoine dan Kroo, pengurangan kebisingan secara umum disebabkan oleh 2 hal. Pertama, *steep approach* menghasilkan profil penerbangan yang menambah jarak perambatan suara dari pesawat ke darat. Kemudian, dalam penggunaan *steep approach*, kecepatan pesawat harus dikurangi dan gaya dorong pesawat dapat dikurangi sehingga mesin dapat bekerja lebih lamban sehingga terdapat pengurangan suara dari mesin. Namun, mereka menambahkan bahwa penggunaan *steep approach* dapat mengakibatkan penambahan biaya operasi seperti pelatihan kru, peralatan tambahan, dan pengembangan aturan keselamatan serta sertifikasi.

Helmut dkk. pada artikel ilmiah mereka yang diterbitkan tahun 2013 meneliti mengenai dampak *steep approach* terhadap kebisingan. Pengetesan dilakukan pada tanggal 6 September 2010 dengan menggunakan pesawat Boeing 737-700 dengan bantuan

dari *Institute of Flight Guidance* dan *The Institute of Aerodynamics and Flow Technology* dan *Deutsche Flugsicherung GmbH (DFS)*. Lokasi penelitian berada di bandara Brunswick, Jerman (ICAO:EDVE) dengan perekaman kebisingan menggunakan 6 mikrofon pengukur kebisingan yang ditempatkan pada jarak ekivalen 1000ft *approach* 3° , jarak ekivalen 2000ft *approach* 3° , 2 jarak dimana dilakukan penurunan roda pendarat, titik 13.034m dari *runway threshold* baik pendaratan secara *straight-in* dan *segmented approach*. Prosedur pendaratan yang digunakan adalah *Area Navigation (RNAV)*, *Required Navigation Performance (RNP)* serta menggunakan *GBAS (Ground Based Augmentation System) Landing System (GLS)*. Sudut approach yang digunakan dalam penelitian oleh Helmut dkk. menggunakan sudut 3° , $3,2^\circ$, 4° , $4,5^\circ$, 5° dan $5,5^\circ$. Hasil penelitian tersebut adalah terjadi pengurangan kebisingan pada sudut *approach* lebih besar dari 3° . Pada *slightly steeper approach* $3,2^\circ$ terjadi pengurangan kebisingan 0,4 dB (A) yang dikatakan sedikit lebih sunyi dari 3° . Pada sudut pendaratan *steep approach*, pengurangan kebisingan yang didapatkan lebih besar. Pada $4,5^\circ$ terjadi pengurangan kebisingan sebesar 2,1 dB (A) dan pada 5° pengurangan kebisingan yang diperoleh sebesar 3,6 dB (A). Pengurangan kebisingan terbesar ditemui pada sudut $5,5^\circ$ dengan pengurangan 4,6 dB (A), Pengurangan kebisingan ini dapat dengan jelas dirasakan.

2.2 Kemampuan Pesawat Melakukan *Steep Approach*

Pada penelitian Mollwitz dan Korn pada tahun 2014 dengan judul “*Steep Segmented Approaches For Active Noise Abatement–A Flyability Study*”, meneliti mengenai penggunaan *steep approach* untuk pesawat-pesawat yang digunakan oleh maskapai Jerman. Menggunakan *full flight training simulator* milik TUIfly, Condor, dan Lufthansa, diteliti penggunaan *segmented approach* dengan sudut *approach* $4,5^\circ$ dari ketinggian 8000ft hingga ketinggian 1500ft dan beralih ke 3° untuk pendaratan. Prosedur

pendaratan kemudian dimasukkan dalam *Flight Management System (FMS)* untuk dapat melakukan pendaratan menggunakan *flight directors* maupun dikendalikan oleh *autopilot*. Simulator pesawat yang digunakan adalah Boeing 737NG, 767, 747-8, Airbus A320, A330-300, A340-600, dan A380. Kondisi yang digunakan adalah kondisi ISA dengan suhu +15°C dan juga kondisi ISA+25, *Maximum Landing Weight (MLW)* hingga *tailwind* 25kt.

Hasil yang didapatkan adalah A320 dapat mengikuti *glideslope* dengan sudut 4,5° dengan posisi flaps 3, posisi roda pendarat naik, menggunakan *spoiler* dan pada kecepatan 170kt. Untuk pendaratan pada kondisi *tailwind* dan ISA+25, diperlukan menurunkan roda pendarat. Pada pesawat A330-300, pesawat dapat mengikuti *glideslope* 4,5° dengan posisi flaps 3, posisi roda pendarat naik, menggunakan *spoiler* pada kecepatan 170kt dan dapat mengikuti sudut *glideslope* 4,5° bahkan dengan kondisi *tailwind* dan ISA+25. Untuk pesawat A340-600, pesawat dapat mengikuti *glideslope* 4,5° dengan kondisi flaps pada posisi 3, posisi roda pendarat naik, dan menggunakan *spoiler* dengan kecepatan 170kt. Pesawat tetap dapat mengikuti *glideslope* 4,5° dengan kondisi ISA+25 dan *tailwind*. Pesawat A380 dapat mengikuti *glideslope* dengan sudut 4,5° dengan kondisi tanpa *spoiler*, posisi roda pendarat naik, posisi flap 3 dengan kecepatan 170kt. Dalam kondisi ISA+25 dan *tailwind*, diperlukan untuk menurunkan roda pendarat. Pada Boeing 737NG, digunakan flaps posisi 15 dan roda pendarat turun supaya dapat mengikuti *glideslope* 4,5°. Pada kondisi ISA+25 dan *tailwind*, dapat menggunakan full flaps dan roda pendarat turun. Pesawat 747-8 dapat mengikuti *glideslope* 4,5° dengan kecepatan 170kt menggunakan flaps posisi 20 dan roda pendarat naik. Untuk mengikuti *glideslope* 4,5° pada suhu 40° dan *tailwind*, diperlukan untuk menurunkan roda pendarat. Pada pesawat Boeing 767, pesawat dapat melakukan pendaratan dengan kecepatan 170kt menggunakan konfigurasi flap 20, roda pendarat

naik, dan menggunakan *spoiler*. Pada kondisi ISA+25 dan *tailwind*, Boeing 767 tetap dapat menggunakan konfigurasi pendaratan yang sama.

Tabel 2.2 Konfigurasi *Glideslope 4,5°* Pada ISA Tanpa Angin

Tipe	Roda Pendarat	Flap	Spoiler	Sudut Maks.
A320	Naik	3	Ya	-
A330	Naik	3	Ya	7,5°
A340	Naik	3	Ya	5°
A380	Naik	3	Ya	5°
B737	Turun	15	Tidak	4,6°
B747	Naik	20	Tidak	5°
B767	Naik	20	Ya	6°

(Sumber : Mollwitz dan Korn, 2014)

2.3 Kemampuan Pilot Melakukan *Steep Approach*

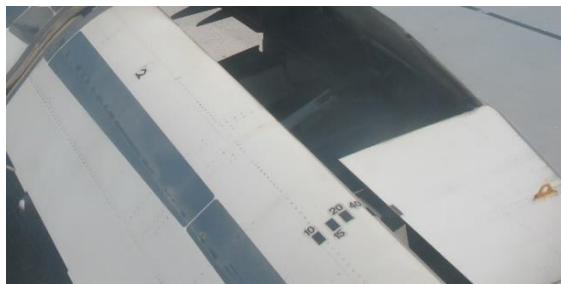
Dalam penelitian Boehm-Davis dkk. pada tahun 2007 dalam “*Pilot Performance, Strategy, and Workload While Executing Approaches at Steep Angles and With Lower Landing Minima*”, dianalisis kemampuan pilot *General Aviation* (GA) dalam menjalankan *steep approach* pada kondisi visibilitas rendah dan ruang udara tanpa kontrol. Metode dalam penelitian tersebut adalah responden yaitu 17 pilot melakukan penerbangan dalam simulator Cessna 172R dengan ketinggian awan 200 atau 400 ft pada sudut *approach* 3°, 5°, dan 7° pada eksperimen pertama lalu 6° dan 7° pada eksperimen kedua dengan ruang udara tanpa kontrol. Hasil eksperimen menunjukkan bahwa pilot cenderung melakukan *touchdown* lebih jauh dari idealnya ketika menggunakan *steep approach*. Ini menunjukkan bahwa jarak pendaratan yang dimiliki pilot lebih sedikit serta sedikitnya waktu untuk mengontrol pesawat. Kemudian, beban kerja pilot juga bertambah dengan adanya kesulitan pada saat pendaratan. Kemudian, pilot cenderung

memasuki kondisi *approach* tak stabil dengan input flap dan tenaga dorong mesin. Dalam penelitian tersebut, sudut *approach* 5° menghasilkan pendaratan yang aman dengan deviasi minimal dari sudut *standard approach* dalam hal konfigurasi dan beban kerja yang termasuk ringan hingga sedang. Dalam penelitian tersebut juga dipaparkan bahwa sudut 6° dan 7° tidak dapat diaplikasikan dalam *approach* rutin. *Steep approach* dapat dilakukan menggunakan konfigurasi flap tertentu. Apabila konfigurasi flap tidak sesuai, maka pesawat melakukan *approach* menggunakan kecepatan yang lebih tinggi sehingga dapat menyulitkan pilot untuk menjaga kontrol pesawat terhadap sudut *approach*.



Gambar 2.2 Flap Angle Marking ATR 72

(Sumber: <https://www.airplane-pictures.net/photo/279215/pr-pdd-passaredo-linhas-areas-atr-72-500/>)

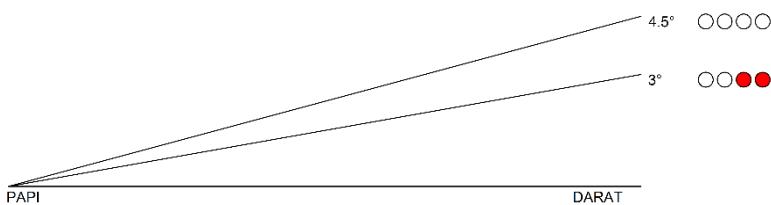


Gambar 2.3 Flap Angle Marking A320

(Sumber: <https://forum.aerosoft.com/index.php?/topic/124460-flap-angle-markings/>)

2.4 Penggunaan Instrumen Pendaratan

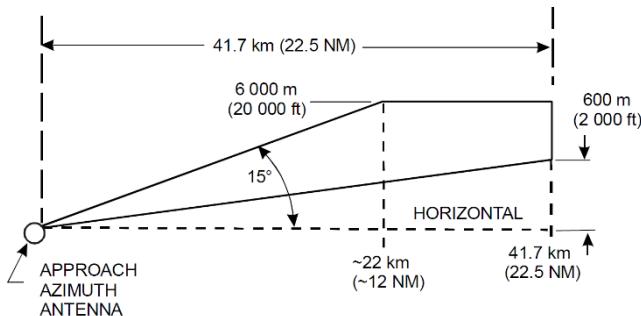
Instrumen pendaratan diperlukan dalam *steep approach* untuk memperingan beban kerja pilot mengingat batasan toleransi akurasi pada *glide path* sebesar 50ft. Namun, tidak semua pesawat dapat melakukan *steep approach* dalam kondisi MLW. Untuk menanggulangi hal tersebut, pesawat yang tidak dapat menggunakan *steep approach* dapat tetap mendarat menggunakan ILS dengan *standard approach* tanpa modifikasi kondisi eksisting (3°). Penggunaan PAPI akan lebih diperuntukkan untuk *steep approach* karena frekuensi pesawat kategori *medium* akan lebih banyak dan kemungkinan menggunakan *steep approach* lebih tinggi. PAPI membutuhkan modifikasi sudut menjadi $4,5^\circ$ yang diatur menurut FAA Order 6850.2B. Hal tersebut membuat pesawat yang melakukan *standard approach* akan bergantung kepada ketersediaan ILS.



Gambar 2.4 PAPI *Standard Approach*

Untuk instrumen pendaratan *steep approach*, dapat menggunakan *microwave landing system (MLS)* atau menggunakan *GBAS landing system (GLS)*. MLS merupakan sistem pemandu *approach* dan pendaratan presisi yang memberikan informasi posisi dan data lain. MLS menggunakan radar *passive electronically scanned array* untuk memandu *approach* pesawat. Konfigurasi MLS terdiri dari *approach*

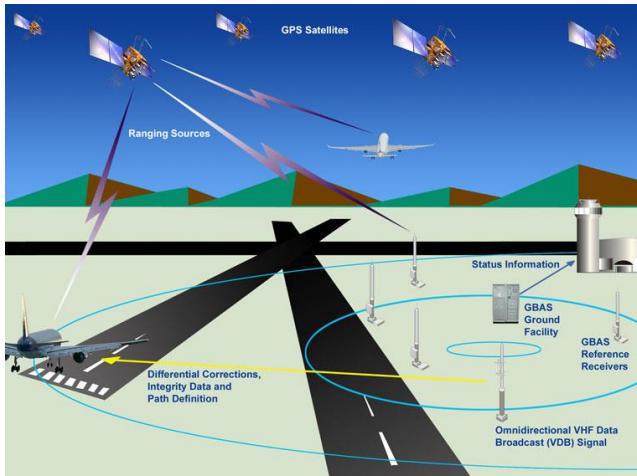
azimuth, elevasi *approach*, bangunan pengolah sinyal, dan DME/N. Sistem MLS memiliki kelebihan yaitu jangkauan yang lebih lebar dan luas dibanding dengan ILS serta kebutuhan perlengkapan yang lebih hemat tempat dibanding dengan ILS. MLS diatur dengan elevasi $4,5^\circ$ sesuai dengan sudut *steep approach*. Gambar 2.5 menjelaskan kemampuan cakupan MLS dalam memandu pesawat dari ketinggian tertentu.



Gambar 2.5 Cakupan Vertikal MLS
(Sumber : ICAO, 2007)

GBAS (*Ground Based Augmentation System*) landing system (GLS) menggunakan *global navigation satellite system* (GNSS) yang dapat memberikan panduan *approach* non-presisi maupun dengan panduan vertikal. GLS menggunakan sistem *differential GPS* pada pesawat dan unit darat untuk memberikan panduan pendaratan secara presisi. Pada aplikasi GBAS, diperlukan antena penangkap sinyal GPS, 1 bangunan pengolah sinyal, dan *transmitter VHF* untuk mengoreksi posisi pesawat pada *glide slope*, *localizer* dan DME saat *approach*. Pengguna sistem GLS dapat melakukan *autoland* ketika kondisi visibilitas rendah. Untuk penggunaan GLS, beberapa pesawat memerlukan retrofit alat navigasi pesawat agar instrumen navigasi dapat membaca sinyal GLS. GLS akan mengirimkan sinyal *glide slope* kepada pesawat yang melakukan *approach* dan instrumen pesawat akan

menampilkan panduan *glide slope* sesuai dengan ketinggian dan lokasi pesawat berdasarkan GPS. Gambar 2.6 menjelaskan penggunaan panduan GLS dan peralatan-peralatan dalam panduan tersebut.



Gambar 2.6 Ilustrasi GLS
(*Sumber : FAA, 2018*)

Pemilihan antara kedua sistem ini dapat disesuaikan dari hasil studi *benefit-cost* terhadap pengurangan kapasitas *runway* oleh pihak pengelola bandara.

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BAB III

METODOLOGI

3.1 Umum

Pada proses penyelesaian tugas akhir ini dibutuhkan metodologi yang tepat untuk menyusun tahapan penggerjaan dalam rangka mempermudah pelaksanaan studi/penelitian, hingga pada akhirnya dapat menjawab rumusan masalah yang telah diidentifikasi. Metodologi ini dimulai dari persiapan hingga hasil analisis dari tugas akhir. Metodologi ini ditetapkan untuk memperoleh prosedur kerja yang sistematis dan dapat dipertanggungjawabkan.

3.2 Tahap Pengerjaan

Penyelesaian tugas akhir dengan judul “Pengaruh *Steep Approach* Terhadap Operasional Runway” dilakukan dengan tahapan sebagai berikut:

1. Persiapan
2. Identifikasi Masalah
3. Studi Pustaka
4. Pengumpulan Data
5. Pengolahan Data
6. Analisis Data
7. Hasil Analisis

3.2.1 Persiapan

Tahap persiapan merupakan tahap awal untuk melihat dan mengidentifikasi permasalahan yang terjadi. Persiapan dilakukan dengan membaca dan mengumpulkan berbagai macam sumber pustaka terkait penanggulangan kebisingan, *steep approach*, dan kapasitas runway.

3.2.2 Identifikasi masalah

Identifikasi masalah dalam hal ini adalah peninjauan pada pokok masalah yang ditimbulkan untuk menentukan batasan pembahasan masalah tersebut. Identifikasi masalah ini dilakukan dengan membaca sumber pustaka terkait penanggulangan kebisingan, *steep approach*, dan kapasitas runway. Dalam tugas akhir ini, diidentifikasi beberapa masalah mengenai Pengaruh *Steep Approach* Sebagai Metode Penanggulangan Kebisingan Terhadap Kapasitas Runway:

1. Usaha penanggulangan kebisingan di sekitar bandara Indonesia sangat rendah
2. Penggunaan metode *steep approach* merupakan salah satu metode efektif dalam penanggulangan kebisingan di area bandara.

3.2.3 Studi pustaka

Tahap studi pustaka yang dilakukan berupa pengumpulan berbagai teori yang berkaitan dengan topik yang dibahas. Teori-teori tersebut didapatkan dari berbagai sumber pustaka yang berkaitan dengan tugas akhir ini. Berikut adalah referensi yang digunakan pada karya tugas akhir ini:

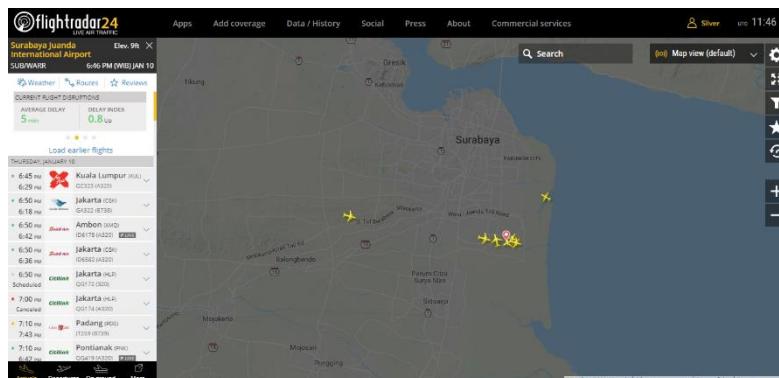
1. *Aircraft Optimization for Minimal Environmental Impact* (Antoine dan Kroo, 2004)
2. *Guidance on the Balanced Approach to Aircraft Noise Management* (ICAO, 2008)
3. PP No. 40 Tahun 2012 Pembangunan dan Pelestarian Lingkungan Hidup Bandar Udara (Kementerian Hukum dan Hak Asasi Manusia, 2012)
4. *Advisory Circular 25-7D Flight Test Guide for Certification of Transport Category Airplanes* (FAA, 2018)
5. *Planning and Design of Airports Fifth Edition* (Horonjeff dkk., 2010)

3.2.4 Pengumpulan data

Data diperoleh dari sumber sekunder, baik dari media elektronik maupun media cetak. Data yang digunakan dalam tugas akhir ini adalah data lalu lintas pesawat, kinerja pesawat, dan geometrik *airside*.

3.2.4.1 Data lalu lintas pesawat

Data Lalu Lintas pesawat yang digunakan dalam tugas akhir ini menggunakan data lalu lintas Bandar Udara Internasional Juanda. Data lalu lintas didapatkan menggunakan sumber sekunder yang berasal dari flightradar24. Pada flightradar24, dipilih Bandara Internasional Juanda pada peta kemudian dengan memilih ‘*more*’ pada panel kiri sehingga kita dapat melihat masing-masing jadwal keberangkatan dan kedatangan. Waktu yang tertera pada jadwal merupakan *slot time* pesawat, yaitu waktu dimana sebuah pesawat dapat *take-off* maupun *landing* untuk menghindari terlalu banyaknya pesawat pada satu waktu.



Gambar 3.1 Tampilan Awal flightradar24

(Sumber: flightradar24)

Arrivals

TIME	FLIGHT	FROM	ARLINE	AIRCRAFT	STATUS
6:35 PM	SQ255	Kupang (WAE)	Sriwijaya Air	738	Scheduled
6:50 PM	QG722	Jakarta (CGK)	Citilink	320	Scheduled
6:45 PM	QZ323	Kuala Lumpur (KUL)	AirAsia X	A320 (PK-AKH)	Landed 6:29 PM
6:50 PM	GA322	Jakarta (CGK)	Garuda Indonesia	B738 (PK-GKI)	Landed 6:18 PM
6:50 PM	IDB175	Amboi (AMQ)	Batik Air	A320 (PK-LUF)	Estimated 6:48 PM
6:50 PM	IDB582	Jakarta (CGK)	Batik Air	A320 (PK-LUF)	Landed 6:36 PM
6:50 PM	QG172	Jakarta (CGK)	Citilink	320	Scheduled

Gambar 3.2 Tampilan Jadwal Kedatangan
(Sumber : flightradar24)

Departures

TIME	FLIGHT	TO	ARLINE	AIRCRAFT	STATUS
6:40 PM	GA325	Jakarta (CGK)	Garuda Indonesia	B738 (PK-OIG)	Departed
6:40 PM	JTB82	Palangkaraya (PKY)	Lion Airlines	739	Scheduled
6:40 PM	MU225	Singapore (SIN)	SilkAir	738	Scheduled
6:45 PM	IDT516	Jakarta (CGK)	Batik Air	A320 (PK-LUF)	Scheduled
6:50 PM	SQ227	Semarang (SGN)	Sriwijaya Air	735	Scheduled

Gambar 3.3 Tampilan Jadwal Keberangkatan
(Sumber : flightradar24)

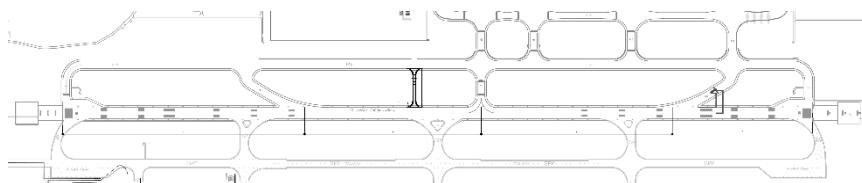
3.2.4.2 Spesifikasi pesawat

Untuk mengetahui kemampuan pesawat dalam melakukan *steep approach*, dibutuhkan data mengenai spesifikasi pesawat. Spesifikasi yang dibutuhkan dalam tugas akhir ini adalah data *Maximum Landing Weight (MLW)* dari pesawat yang beroperasi di Bandara Internasional Juanda. Data didapatkan dari *Quick Reference Handbook (QRH)* atau *Airport Planning Manual*. Pada

QRH, bisa didapatkan data kecepatan *approach* dan berat muatan dan pada *Airport Planning Manual* hanya didapatkan kecepatan *approach*. Dalam QRH, digunakan *Maximum Landing Weight* (*MLW*) untuk menentukan kecepatan *approach* pesawat.

3.2.4.3 Geometrik *airside*

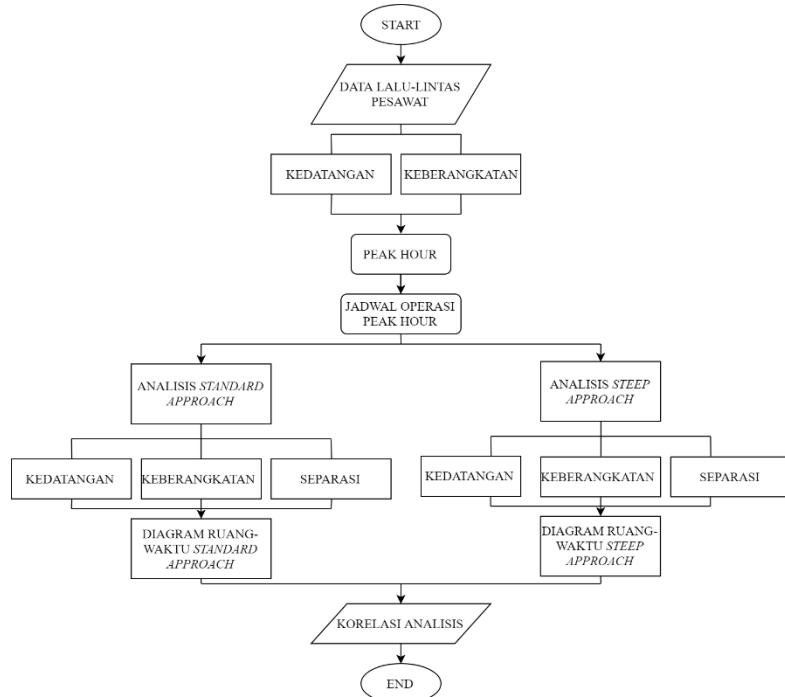
Geometrik *Airside* digunakan untuk analisis okupansi runway pada saat pendaratan. Setelah pesawat melakukan *flaring* atau perlambatan kecepatan vertikal dan melakukan pendaratan, pesawat akan melakukan deselerasi pada runway dan keluar melalui *exit taxiway*. Pemilihan *exit taxiway* berdasarkan dimensi pesawat, kecepatan pendaratan, deselerasi, berat pesawat.



Gambar 3.4 Layout Airside Juanda

3.2.5 Simulasi lalu lintas pesawat

Untuk mengetahui kapasitas dari runway, ada 2 metode utama untuk menghitung kapasitas. Metode matematis yang berdasarkan rumus dan metode konsep ruang-waktu. Dalam tugas akhir ini, penulis menggunakan metode diagram ruang-waktu. Penggunaan diagram ruang-waktu bertujuan untuk mengetahui kapasitas runway dengan menggambarkan operasi pesawat pada runway dan kawasan operasi bandar udara. Berikut adalah diagram alir simulasi lalu-lintas pesawat menggunakan diagram ruang-waktu:



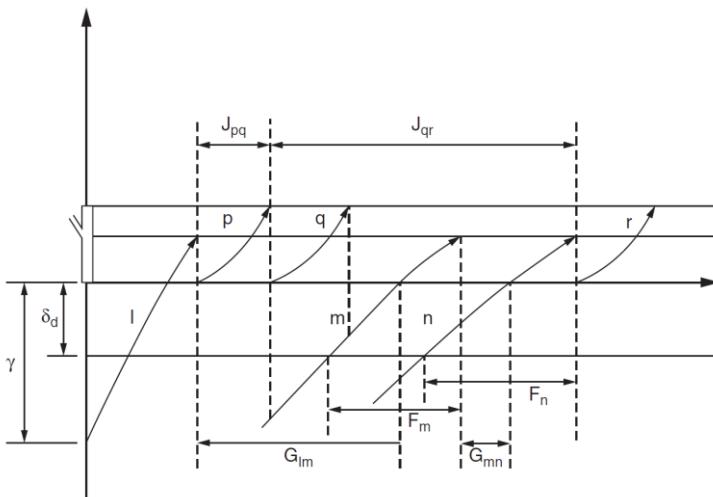
Gambar 3.5 Diagram Alir Simulasi Lalu-Lintas Pesawat

3.2.5.1 Metode konsep ruang-waktu

Metode konsep ruang waktu merupakan metode yang berfungsi untuk menggambarkan operasi pesawat terbang pada sistem runway dan kawasan udara di sekitar bandara. Pada dasarnya, terdapat aturan dalam pengoperasian runway:

1. Dua pesawat tidak dapat melakukan operasi di saat yang bersamaan.
2. Pesawat yang hendak mendarat mendapatkan prioritas dibanding pesawat yang akan berangkat (*take-off*).

3. Keberangkatan baru dapat dilepas jika runway sudah *clear* dan kedatangan selanjutnya berada setidaknya pada jarak tertentu dari *runway threshold*.



Gambar 3.6 Diagram Ruang-Waktu
(Sumber: Horonjeff, 2010)

Gambar 3.1 menunjukkan salah satu contoh diagram ruang-waktu. γ merupakan titik pengamatan kedatangan, δ_d merupakan jarak dari *runway threshold* dimana merupakan jarak aman untuk melepas keberangkatan. Garis l,m,n merupakan lalu lintas kedatangan, dan garis p,q,r merupakan lalu lintas keberangkatan dan J_{pq} dan J_{qr} merupakan waktu antar keberangkatan. Waktu rata-rata antar-keberangkatan diperoleh dengan merata-rata jumlah G_{lm} dan G_{ln} . Untuk mendapatkan waktu rata-rata dimana keberangkatan tidak dapat dilepas, diperoleh dengan merata-rata jumlah dari F_m dan F_n . Dengan pengamatan lain, keberangkatan p dapat dilepas ketika kedatangan l belum mencapai titik δ_d dan keberangkatan q dapat dilepas ketika

kedatangan p telah keluar dari runway dan kedatangan m belum mencapai titik δ_d . Namun, keberangkatan r tidak dapat dilepas karena kedatangan n telah melewati titik δ_d namun belum dapat dilepas sampai kedatangan n keluar dari runway. Aturan separasi lalu lintas udara yang mengakomodir sejumlah kedatangan dan keberangkatan dapat dipahami dengan baik melalui contoh soal yang menggambarkan konsep ruang-waktu untuk memproses operasi pada runway.

3.2.5.2 Parameter yang digunakan

Dalam menggunakan metode konsep ruang-waktu untuk menentukan kapasitas landas pacu dibutuhkan beberapa parameter. Parameter yang dibutuhkan adalah kecepatan approach, jarak approach, dan desain geometrik dari airside.

3.2.5.2.1 Kecepatan *approach*

Kecepatan approach sangat mempengaruhi waktu yang dibutuhkan untuk approach. Kecepatan approach dipengaruhi oleh berat pesawat, titik berat pesawat, konfigurasi flaps dan slats pesawat. Dalam operasional pesawat, penerbang menggunakan Quick Reference Handbook (QRH) untuk menentukan kecepatan approach yang aman. QRH sendiri diterbitkan oleh manufaktur pesawat berkerja sama dengan pihak maskapai yang menambahkan aturan-aturan keselamatan khusus. Kecepatan approach pesawat didapatkan melalui uji terbang yang dilaksanakan manufaktur selama sertifikasi pesawat. Kecepatan approach juga bisa didapatkan melalui Airport Planning Document pada situs manufaktur pesawat.

Perhitungan kecepatan *approach* pesawat Boeing adalah:

$$V_{REF} = 1.3 \times V_s \dots \dots \dots (1)$$

Dimana V_s merupakan kecepatan *stall*.

Pehitungan kecepatan *approach* pesawat Airbus adalah:

Berikut merupakan metoda untuk mendapatkan kecepatan approach melalui QRH:

Dalam *Airport Planning Manual* yang diterbitkan Boeing, tertera MLW untuk 737-800 dan pilih MLW maksimum.

CHARACTERISTICS	UNITS	MODEL 737-800, -800 WITH WINGLETS		
MAX DESIGN TAXI WEIGHT	POUNDS	156,000	173,000	174,900
	KILOGRAMS	70,760	78,471	79,333
MAX DESIGN TAKEOFF WEIGHT	POUNDS	155,500	172,500	174,200
	KILOGRAMS	70,534	78,245	79,016
MAX DESIGN LANDING WEIGHT	POUNDS	144,000	144,000	146,300
	KILOGRAMS	65,317	65,317	66,361

Gambar 3.7 Contoh MLW Airport Planning Manual
(Sumber : Boeing, 2013)

Kemudian pada QRH, buka subbab *in-flight performance* dan cari tabel VREF. Pada tabel VREF terdapat bobot pesawat dan flap, pilih bobot yang sesuai dengan MLW.

VREF

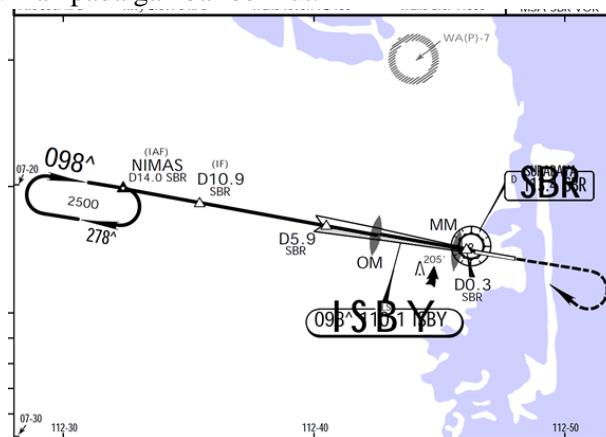
WEIGHT (1000 KG)	FLAPS		
	40	30	15
85	160	168	177
80	155	163	172
75	151	158	167
70	146	153	161
65	141	148	156
60	135	142	149
55	128	136	143
50	122	129	136
45	115	122	128
40	108	115	121

Gambar 3.8 Contoh VREF

(Sumber : Boeing, 2009)

3.2.5.2.2 Jarak approach

Jarak approach dapat berbeda dari satu bandara ke bandara yang lain. faktor-faktor yang mempengaruhi jarak approach adalah topografi sekitar, batasan ruang udara, dan sudut approach pesawat. Jarak *approach* untuk Bandara Internasional Juanda ditunjukkan pada gambar berikut:

**Gambar 3.9** Chart STAR Final Approach Juanda
(Sumber : Jeppesen, 2016)

3.2.5.2.3 Runway occupancy time

Desain geometrik memegang peranan yang cukup penting dalam menentukan kapasitas runway. Jumlah runway, panjang runway, lokasi exit taxiway dan jumlah exit taxiway adalah komponen utama yang menentukan kapasitas sisi airside.

Runway occupancy time adalah waktu yang diperlukan pesawat ketika mendarat dan keluar dari runway menggunakan *exit taxiway* yang tersedia. Pada Bandar Udara Internasional Juanda, terdapat 7 *rapid exit taxiway*, 2 terletak di sebelah utara dan 5 terletak di sebelah selatan runway, dan 3 *exit taxiway*. Gambar layout disajikan pada sub-bab 3.2.4.3 mengenai geometrik *airside*. Durasi *runway occupancy time* bergantung pada kecepatan pendaratan dan lokasi *rapid exit taxiway* atau *exit taxiway* yang tersedia. Rumus yang digunakan dalam penentuan *runway occupation time* adalah sebagai berikut:

$$R_i = \frac{V_{ot} - V_{td}}{2a_1} + 3 + \frac{V_{td} - V_e}{2a_2} + t \dots\dots\dots(3)$$

Dimana V_{ot} = Kecepatan diatas threshold (ft/s)

V_{td} = Kecepatan saat menyentuh runway (ft/s)

V_e = Kecepatan saat keluar dari runway (ft/s)

a_1 = Rata-rata deselerasi di udara (ft/s^2)

a_2 = Rata-rata deselerasi di landasan (ft/s^2)

Kecepatan pesawat diatas threshold (V_{ot}) disamakan dengan kecepatan *approach* dan kecepatan saat menyentuh runway (V_{td}) adalah 5 hingga 8 knot dibawah V_{ot} , dalam tugas akhir ini penulis menggunakan 5 knot dibawah V_{ot} . Penentuan kecepatan saat keluar dari runway (V_e) dapat ditentukan dari jari-jari *rapid exit taxiway* dimana *rapid exit taxiway*. Rata-rata deselerasi di udara adalah 2,5

ft/s^2 dan rata-rata deselerasi di darat untuk pesawat komersil adalah 5ft/s^2 . Angka tersebut didapatkan dari buku “*Planning & Design of Airport*” oleh Horonjeff di tahun 2010.

Tabel 3.1 Kecepatan *Rapid Exit Taxiway*

Radii R [m]:	V_{des} [kts]:	V_{op} [kts]:
40	14	13
60	17	16
120	24	22
160	28	24
240	34	27
375	43	30
550	52	33

(Sumber : ICAO, 2005)

3.2.5.3 Separasi antar pesawat

Aturan terkait separasi terdapat pada Peraturan Keselamatan Penerbangan Sipil (PKPS) Bagian 170 mengenai peraturan lalu lintas udara pada sub part 170.034 mengenai pemisahan/separasi minimal, menjelaskan bahwa “Pemisahan/Separasi minimal harus dipilih sesuai yang dijelaskan pada PANS-ATM dan Prosedur Regional Tambahan yang belaku dibawah kondisi yang sering terjadi”. Peraturan tersebut juga menjelaskan dokumen ICAO yang digunakan adalah Procedure For Air Navigation Services-Air Traffic Management (PANS-ATM, Doc. 4444) dan Regional Supplementary Procedures (DOC. 7030). Dalam PANS-ATM, separasi dijelaskan pada Chapter 5 “Separation Methods and Minima” serta pada Chapter 8 “ATS Surveillance Services”. Pada tugas akhir ini digunakan PANS-ATM Sixteenth Edition yang diterbitkan pada tahun 2016.

3.2.5.3.1 Kedatangan

Pada PANS-ATM Doc. 4444 part 8.7.3.4, ditetapkan jarak separasi minimal berdasarkan *wake turbulence* jika penerbangan dilayani dengan *ATS Surveillance* pada tahap *approach* dan keberangkatan adalah sebagai berikut:

Tabel 3.2 Jarak Separasi Minimal Berdasarkan Kategori Pesawat

<i>Aircraft category</i>		<i>Distance-based wake turbulence separation minima</i>
<i>Preceding aircraft</i>	<i>Succeeding aircraft</i>	
HEAVY	HEAVY	7.4 km (4.0 NM)
	MEDIUM	9.3 km (5.0 NM)
	LIGHT	11.1 km (6.0 NM)
MEDIUM	LIGHT	9.3 km (5.0 NM)

(Sumber : ICAO, 2016)

Berdasarkan PANS-ATM Doc. 4444, *wake turbulence* pada pesawat ditetapkan pada part 4.9.1 mengenai “*Wake Turbulence Categories of Aircraft*”. Pengelompokan pesawat untuk kategori *wake turbulence* berdasarkan bobot lepas landas adalah sebagai berikut:

1. Heavy (H) untuk pesawat dengan bobot lepas landas lebih 136.000 kg atau lebih;
2. Medium (M) untuk pesawat dengan bobot lepas landas kurang dari 136.000 kg namun lebih berat dari 7.000 kg; dan
3. Light (L) untuk pesawat dengan bobot lepas landas 7.000 kg atau kurang.

3.2.5.3.2 Keberangkatan

Separasi Minimal pada keberangkatan juga diatur dalam PANS-ATM Doc. 4444 part 5.6.1 Mengenai “Minimum Separation Between Departing Aircraft” menjelaskan bahwa separasi satu menit dibutuhkan untuk pesawat yang terbang menjauhi satu sama lain dengan sudut 45 derajat.

Jarak pesawat diperbolehkan untuk lepas landas dari pesawat yang akan melakukan pendaratan diatur pada PANS-ATM Doc. 4444 part 5.7.1.1. Pada part tersebut butir b dijelaskan bahwa pesawat diperbolehkan lepas landas apabila pesawat yang akan mendarat sudah memulai final approach dan dengan memberikan jarak minimal 3 menit dari pesawat yang akan mendarat hingga pesawat tersebut mencapai runway threshold.

3.2.6 Analisis kapasitas awal

Setelah mendapatkan data lalu lintas, didapatkan kapasitas awal runway. Kapasitas awal ini dianalisis sebagai kapasitas ultimate, yaitu kapasitas tanpa tundaan. Untuk menganalisis kapasitas ini, digunakan lalu lintas *peak hour* dari bandara tersebut. Kapasitas awal ini dibutuhkan sebagai *baseline* yang akan dibandingkan dalam tugas akhir ini.

3.2.6.1 Analisis diagram ruang-waktu kapasitas awal

Analisis menggunakan diagram ruang-waktu untuk kapasitas awal memakai data dari tahap pengumpulan data. Kemudian melihat *chart* penerbangan *Standard Arrival Routes (STAR)*, dimana diketahui sudut *approach*, titik *approach*, *waypoint*, dan jarak menuju *threshold*. Analisis akan meliputi *spacing* vertikal dan horizontal, serta pelepasan keberangkatan.

3.2.7 Analisis kapasitas *steep approach*

Menggunakan data lalu lintas pesawat, digunakan metode konsep ruang-waktu untuk mendapatkan kapasitas runway pada saat digunakannya *steep approach*. Konsep ruang-waktu menggunakan diagram ruang-waktu untuk memvisualisasikan

kedatangan dan keberangkatan pesawat yang beroperasi di bandar udara tersebut.

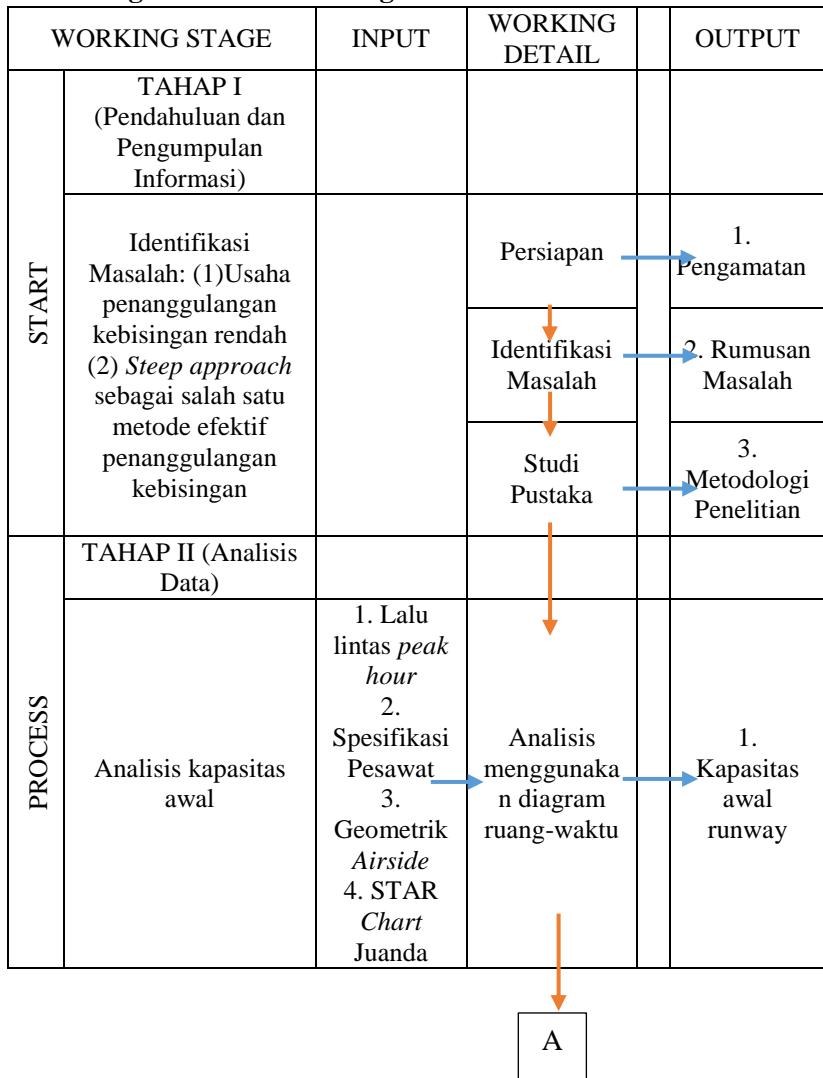
3.2.7.1 Analisis diagram ruang-waktu *steep approach*

Analisis menggunakan diagram ruang-waktu untuk kapasitas awal memakai data dari tahap pengumpulan data. Kemudian sudut *approach* pesawat diubah menjadi $4,5^\circ$ serta titik mulai *approach* berubah. Target kecepatan pesawat didapatkan dari interpolasi kecepatan *approach* London City Airport dengan sudut *approach* $5,5^\circ$ yaitu 119kt dan dari London Heathrow Airport dalam *Slightly Steeper Approach Trial* dengan kecepatan *approach* dibatasi menjadi 160kt. Didapatkan kecepatan *approach* 136,8kt \approx 137 kt dengan batas toleransi kecepatan ± 3 kt untuk mengakomodir kinerja pesawat. Dengan berubahnya sudut *approach*, titik mulai *approach* dan kecepatan *approach*, maka profil *Standard Arrival Routes* juga berubah. Analisis akan meliputi *spacing* vertikal dan horizontal, serta pelepasan keberangkatan.

3.2.8 Hasil analisis

Menggunakan hasil analisis dari kapasitas awal dan kapasitas *steep approach*, dapat diperoleh perbedaan kapasitas dari kedua metode *approach*. Kemudian dapat disimpulkan menggunakan data dari kedua analisis.

3.3 Diagram Alir Metodologi



	Analisis kapasitas <i>steep approach</i>	1. Lalu lintas <i>peak hour</i> 2. Spesifikasi Pesawat 3. Geometrik <i>Airsideside</i> 4. STAR Chart Juanda Modifikasi 5. Kecepatan <i>Steep Approach</i>	Analisis menggunakan diagram ruang-waktu	1. Kapasitas runway <i>steep approach</i>
	TAHAP III (Kesimpulan)			
FINISH	Korelasi analisis awal dengan <i>steep approach</i>	1. Kapasitas awal runway 2. Kapasitas runway <i>steep approach</i>	Kesimpulan & Saran	1. Rumusan masalah yang terjawab 2. Saran terhadap penelitian dan pengembangan dimasa mendatang

“Halaman ini sengaja dikosongkan”

BAB IV

HASIL DAN PEMBAHASAN

4.1 Analisis Kapasitas Runway

Untuk mendapatkan kapasitas runway, dilakukan pencarian *peak hour* dari bandara tersebut. Pencarian *peak hour* menggunakan data penerbangan Bandar Udara Internasional Juanda dari situs flightradar24 dengan pengamatan selama satu minggu sejak tanggal 12 November 2018 hingga 18 November 2018. Dari data kedatangan dan keberangkatan pesawat pada tanggal tersebut, dianalisis jumlah kedatangan per 30 menit dan per 15 menit untuk menentukan *peak hour* dari runway. Data yang didapatkan dari flightradar24 adalah data per 5 menit dari *slot time* serta didapatkan data keberangkatan dan kedatangan aktual dengan akurasi 1 menit. Data dari flightradar24 tidak selalu lengkap lengkap seperti kurangnya data keberangkatan dan kedatangan aktual serta dalam analisis ditemukan ketidaktepatan data *slot time* dengan data aktual. Untuk konsistensi pengolahan data, digunakan data *slot time* dengan tambahan data keberangkatan dan kedatangan aktual sebagai umpan balik untuk analisis.

4.1.1 Analisis per 30 menit

Untuk mencari *peak hour*, digunakan analisis jumlah operasi penerbangan dengan *increment* yang lebih tinggi untuk mendapatkan gambaran kasar mengenai operasi penerbangan di Bandar Udara Internasional Juanda. Operasi penerbangan di Bandar Udara Internasional Juanda dimulai pukul 05.00 WIB sampai dengan pukul 23.00 WIB. Pembagian waktu yang digunakan yaitu 05.00-05.29 WIB, 05.30-05.59 WIB, 06.00-06.29 WIB, dst. dan berlaku bagi kedatangan dan keberangkatan. Berikut adalah contoh analisis kedatangan pesawat:

Tabel 4.1 Contoh Data Kedatangan

Monday, Nov 12						
Jam	No. PNB	Asal	Maskapai	A/C	Status	
5:40 AM	QG710	Jakarta (CGK)	Citilink	A320	Landed 9:27 AM	
6:00 AM	ID6596	Jakarta (CGK)	Batik Air	A320	Landed 5:46 AM	
6:20 AM	JT311	Banjarmasin (BDJ)	Lion Air	B739	Landed 6:02 AM	
6:20 AM	QG7261	Jakarta (CGK)	Citilink	320		
6:30 AM	JT690	Jakarta (CGK)	Lion Air	B739	Landed 6:24 AM	
6:45 AM	ID7511	Jakarta (HLP)	Batik Air	B738	Landed 6:19 AM	
6:45 AM	SJ268	Jakarta (CGK)	Sriwijaya Air	733		
6:50 AM	GA368	Makassar (UPG)	Garuda Indonesia	CRJX	Landed 6:31 AM	
6:50 AM	JT929	Denpasar (DPS)	Lion Air	B739	Landed 6:39 AM	

Tabel 4.2 Contoh Analisis Kedatangan per 30 Menit

Waktu	nArrival
05.00-05.29	0
05.30-05.59	1
06.00-06.29	3
06.30-06.59	5

Analisis per 30 menit mendapatkan *peak hour* pada hari Minggu, 18 November 2018 pukul 12.00-12.59 WIB dengan jumlah 39 operasi.

4.1.2 Analisis per 15 menit

Analisis per 30 menit mendapatkan gambaran secara kasar fluktuasi jumlah operasi penerbangan selama sehari dalam satu

minggu pengamatan. Analisis per 15 menit dilakukan guna validasi hasil dari analisis dengan *increment* waktu yang lebih besar. Pembagian waktu yang digunakan yaitu 05.00-05.14 WIB, 05.15-05.29 WIB, 05.30-05.44 WIB, dst. dan berlaku bagi kedatangan dan keberangkatan. Berikut adalah contoh analisis kedatangan pesawat:

Tabel 4.3 Contoh Analisis Kedatangan per 15 Menit

Waktu	nArrival
05.00-05.14	0
05.15-05.29	0
05.30-05.44	1
05.45-05.59	0
06.00-06.14	1
06.15-06.29	2

Analisis per 15 menit mendapatkan *peak hour* pada hari Minggu, 18 November 2018 pukul 12.00-12.59 WIB dengan jumlah 39 operasi.

4.1.3 Penjadwalan kedatangan dan keberangkatan pesawat

Setelah diketahui *peak hour*, dilakukan penjadwalan kedatangan dan keberangkatan pada *peak hour*. Penulis mendahulukan pesawat yang datang dikarenakan keterbatasan bahan bakar bagi pesawat yang mengudara. Digunakan pula pola pada setiap 2 hingga 3 pesawat yang mendarat, dapat dilepas keberangkatan. Mengingat tidak diperbolehkan ada 2 pesawat yang menggunakan landasan secara bersamaan, maka pesawat yang hendak lepas landas menunggu pesawat yang mendarat keluar dari *runway* menggunakan *exit taxiway* yang tersedia.

Setelah mendapatkan *peak hour* yaitu hari Minggu, 18 November 2018 pukul 12.00-12.59 WIB, jadwal kedatangan dan keberangkatan dapat diurut berdasarkan waktu masing-masing.

Data *slot time* yang didapatkan memiliki *increment* waktu 5 menit dari pukul 12.00 WIB sampai dengan 12.55 WIB. Berikut merupakan jadwal kedatangan pada *peak hour*:

Tabel 4.4 Kedatangan *Peak Hour* 18 November 2018

Sunday, Nov 18

Jam	No.PNB	Asal	Maskapai	A/C
12:00 PM	ID6576	Jakarta (CGK)	Batik Air	739
12:00 PM	JT807	Makassar (UPG)	Lion Airlines	739
12:10 PM	JT177	Lombok (LOP)	Lion Airlines	739
12:10 PM	JT695	Kupang (KOE)	Lion Airlines	739
12:10 PM	QZ696	Jakarta (CGK)	AirAsia X	A320
12:15 PM	IW1873	Jember (JBB)	Wings Air	AT4
12:15 PM	QG671	Lombok (LOP)	Citilink	320
12:15 PM	QG697	Denpasar (DPS)	Citilink	320
12:15 PM	QG437	Balikpapan (BPN)	Citilink	320
12:20 PM	JT227	Banjarmasin (BDJ)	Lion Airlines	738
12:25 PM	SJ266	Jakarta (CGK)	Sriwijaya Air	733
12:30 PM	JT269	Balikpapan (BPN)	Lion Airlines	738
12:35 PM	ID6413	Denpasar (DPS)	Batik Air	32A
12:35 PM	IN193	Pangkalan Bun (PKN)	Nam Air	735
12:35 PM	JT857	Palembang (PLM)	Lion Airlines	738
12:35 PM	QG306	Makassar (UPG)	Citilink	320
12:40 PM	JT736	Denpasar (DPS)	Lion Airlines	739
12:40 PM	JT923	Denpasar (DPS)	Lion Airlines	739
12:45 PM	GA312	Jakarta (CGK)	Garuda Indonesia	738
12:45 PM	JT837	Pontianak (PNK)	Lion Airlines	738

Tabel 4.4 Kedatangan *Peak Hour* 18 November 2018
(Lanjutan)

12:50 PM	JT681	Palangkaraya (PKY)	Lion Airlines	739
12:50 PM	JT694	Jakarta (CGK)	Lion Airlines	738
12:55 PM	QG433	Balikpapan (BPN)	Citilink	320

Tabel 4.5 Keberangkatan *Peak Hour* 18 November 2018
Sunday, Nov 18

Jam	No.PNB	Tujuan	Maskapai	A/C
12:00 PM	IN116	Batu Licin (BTW)	Nam Air	AT7
12:00 PM	IW1880	Blimbingsari (BWX)	Wings Air	AT4
12:00 PM	SJ334	Bandar Lampung (TKG)	Sriwijaya Air	738
12:05 PM	JT260	Balikpapan (BPN)	Lion Airlines	739
12:10 PM	JT591	Jakarta (CGK)	Lion Airlines	739
12:10 PM	JT916	Bandung (BDO)	Lion Airlines	738
12:30 PM	GA315	Jakarta (CGK)	Garuda Indonesia	738
12:35 PM	JT376	Samarinda (SRI)	Lion Airlines	739
12:35 PM	QG834	Majalengka (KJT)	Citilink	320
12:40 PM	ID6575	Jakarta (CGK)	Batik Air	739
12:45 PM	IW1808	Sumenep-Madura Island (SUP)	Wings Air	AT4
12:45 PM	QG986	Palembang (PLM)	Citilink	320
12:50 PM	JT706	Makassar (UPG)	Lion Airlines	739
12:50 PM	QZ322	Kuala Lumpur (KUL)	AirAsia X	A320
12:55 PM	QG436	Balikpapan (BPN)	Citilink	320

Tabel 4.5 Keberangkatan *Peak Hour* 18 November 2018
(Lanjutan)

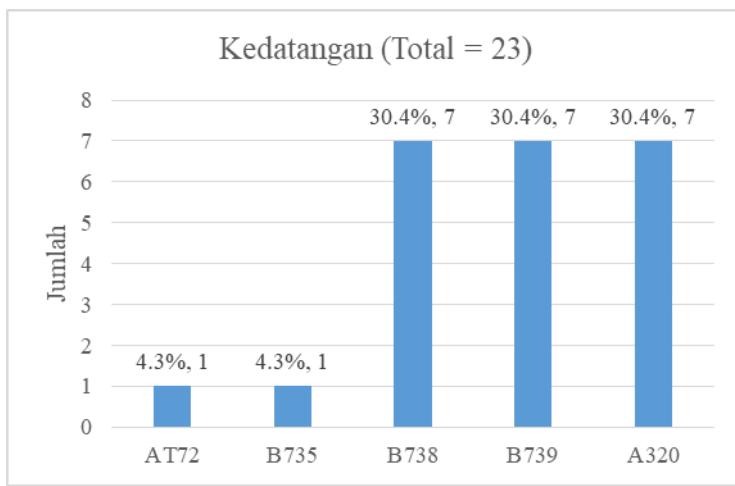
12:55 PM	QG696	Denpasar (DPS)	Citilink	320
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Tabel 4.6 Jadwal Operasi *Peak Hour* 18 November 2018

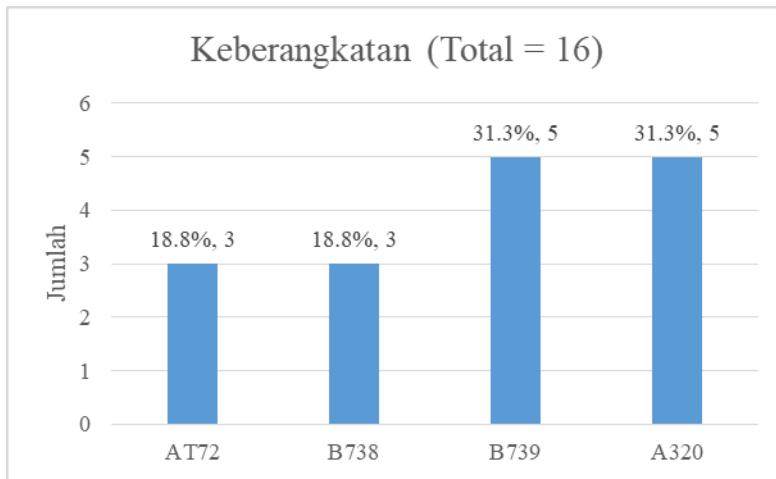
12:00 PM	ID6576	B739 (PK-LBJ)	Arrival
12:00 PM	JT807	B739 (PK-LHL)	Arrival
12:00 PM	IN116	AT76	Depart
12:00 PM	IW1880	AT76 (PK-WJF)	Depart
12:00 PM	SJ334	738	Depart
12:05 PM	JT260	739	Depart
12:10 PM	JT177	739	Arrival
12:10 PM	JT695	B739 (PK-LHT)	Arrival
12:10 PM	QZ696	A320 (PK-AXH)	Arrival
12:10 PM	JT916	B738 (PK-LOG)	Depart
12:10 PM	JT591	739	Depart
12:15 PM	IW1873	AT76 (PK-WGQ)	Arrival
12:15 PM	QG437	320	Arrival
12:15 PM	QG671	A320 (PK-GLZ)	Arrival
12:15 PM	QG697	A320 (PK-GQU)	Arrival
12:20 PM	JT227	B738 (PK-LKV)	Arrival
12:25 PM	SJ266	B738 (PK-CLA)	Arrival
12:30 PM	JT269	B738 (PK-LPV)	Arrival
12:30 PM	GA315	B738 (PK-GME)	Depart
12:35 PM	ID6413	A320 (PK-LAS)	Arrival

Tabel 4.6 Jadwal Operasi *Peak Hour* 18 November 2018
 (Lanjutan)

12:35 PM	IN193	B735 (PK-NAL)	Arrival
12:35 PM	JT376	739	Depart
12:35 PM	JT857	738	Arrival
12:35 PM	QG306	A20N (PK-GTC)	Arrival
12:35 PM	QG834	A20N (PK-GTH)	Depart
12:40 PM	JT736	B739 (PK-LJL)	Arrival
12:40 PM	JT923	B739 (PK-LKO)	Arrival
12:40 PM	ID6575	B739 (PK-LBJ)	Depart
12:45 PM	GA312	B738 (PK-GMC)	Arrival
12:45 PM	JT837	B738 (PK-LPQ)	Arrival
12:45 PM	IW1808	AT76 (PK-WGQ)	Depart
12:45 PM	QG986	A320 (PK-GQH)	Depart
12:50 PM	JT681	B739 (PK-LGO)	Arrival
12:50 PM	JT694	B738 (PK-LOJ)	Arrival
12:50 PM	JT706	B739 (PK-LHT)	Depart
12:50 PM	QZ322	A320 (PK-AXH)	Depart
12:55 PM	QG433	320	Arrival
12:55 PM	QG436	320	Depart
12:55 PM	QG696	A320 (PK-GLZ)	Depart



Gambar 4.1 Analisis Persentase Fleet Mix Kedatangan



Gambar 4.2 Analisis Persentase Fleet Mix Keberangkatan

4.2 Analisis Diagram Ruang-waktu

Untuk simulasi lalu lintas pesawat, digunakan metode konsep ruang waktu dengan menggunakan diagram ruang waktu. Dalam metode ini, dibutuhkan peraturan pengoperasian *runway* yaitu:

1. Dua pesawat tidak dapat melakukan operasi di saat yang bersamaan.
2. Pesawat yang hendak mendarat mendapatkan prioritas dibanding pesawat yang akan berangkat (*take-off*).
3. Keberangkatan baru dapat dilepas jika runway sudah *clear* dan kedatangan selanjutnya berada setidaknya pada jarak tertentu dari *runway threshold*.

Analisis ini lebih menekankan aspek *approach* dari pesawat dimana separasi dan kecepatan *approach* menentukan waktu yang dibutuhkan pesawat untuk mulai melakukan *approach* pada *waypoint* tertentu dan waktu untuk melepas keberangkatan pesawat dari pesawat yang melakukan *approach*, pada jarak tertentu dari *runway threshold*.

4.2.1 Analisis separasi

Analisis separasi dapat pada umumnya terdapat dua aspek, aspek kedatangan dan aspek keberangkatan.

4.2.1.1 Kedatangan

Berikut merupakan daftar pesawat yang beroperasi di Bandar Udara Internasional Juanda dengan bobot lepas landas serta kategori *wake turbulence*. Ketentuan mengenai kategori *wake turbulence* disajikan di sub-bab 3.2.5.3.1 mengenai kedatangan.

Tabel 4.7 Jenis Pesawat yang Beroperasi Di Juanda Dengan Kategori *Wake Turbulence*

	MTOW (KG)	MTOW (LB)	Wake
ATR42	18600	41005	MEDIUM

Tabel 4.7 Jenis Pesawat yang Beroperasi Di Juanda Dengan Kategori *Wake Turbulence* (Lanjutan)

ATR72	23000	50705	MEDIUM
B732	58105	128100	MEDIUM
B733	63276	139500	MEDIUM
B734	68039	150000	MEDIUM
B735	61689	136000	MEDIUM
B737	70800	154500	MEDIUM
B738	79016	174200	MEDIUM
B739	85139	187700	MEDIUM
A319	75500	166449	MEDIUM
A320	78000	171961	MEDIUM
A321	89000	196211	MEDIUM
A332	233000	513677	HEAVY
A333	233000	513677	HEAVY
B772	242639	535000	HEAVY
B773	299370	660000	HEAVY
B744	396894	875000	HEAVY
BBJ2	79015	174200	MEDIUM
CRJ1000	41640	91800	MEDIUM
E190	50300	110892	MEDIUM
E195	50790	111973	MEDIUM
MD82	67812	149500	MEDIUM

4.2.1.2 Keberangkatan

Berikut merupakan jenis pesawat yang akan mendarat beserta jarak pelepasan keberangkatannya. Ketentuan pelepasan keberangkatan terdapat pada sub-bab 3.2.5.3 mengenai keberangkatan.

Tabel 4.8 Jarak Pelepasan Keberangkatan Berdasarkan Jenis Pesawat yang *Approach*

Aircraft Type	Approach Speed (NM/Min)		Release Distance (NM)	
	STD	STEEP	STD	STEEP
ATR42	1.866667	1.733333	5.6	5.2
ATR72	2.066667	1.883333	6.2	5.65
B735	2.25	2.166667	6.75	6.5
B737	2.233333	2.2	6.7	6.6
B738	2.45	2.383333	7.35	7.15
B739	2.616667	2.55	7.85	7.65
A319	2.283333	2.166667	6.85	6.5
A320	2.316667	2.233333	6.95	6.7
A321	2.45	2.333333	7.35	7
A332	2.516667	2.25	7.55	6.75
A333	2.5	2.316667	7.5	6.95
B772	2.366667	2.25	7.1	6.75
B773	2.616667	2.5	7.85	7.5
BBJ2	2.466667	2.35	7.4	7.05
CRJ1000	2.316667	2.316667	6.95	6.95

4.2.2 Analisis komponen *standard approach*

Dalam analisis menggunakan diagram ruang waktu, dibutuhkan beberapa komponen yaitu kecepatan approach dan durasi runway occupancy. Dalam *standard approach*, digunakan sudut *approach* sebesar 3° dan menggunakan Runway 10 Bandar Udara Internasional Juanda dikarenakan ketersediaan ILS.

4.2.2.1 Kecepatan approach

Untuk kecepatan *approach* pada *standard approach*, digunakan data dari QRH pesawat yang beroperasi di Bandar

Udara Internasional Juanda. Untuk mendapatkan data kecepatan pesawat saat *approach* dari QRH, dibutuhkan data *Maximum Landing Weight (MLW)* dan penentuan kebutuhan flap. Konfigurasi flap yang digunakan adalah konfigurasi ke-2 tertinggi dengan pertimbangan mendapatkan gaya angkat yang cukup tanpa menimbulkan gaya tahanan yang besar. Data yang didapatkan dari QRH berupa VREF, dimana tiap manufaktur pesawat memiliki perhitungan yang berbeda. Berkut merupakan kecepatan approach pesawat untuk *standard approach* berdasarkan setting flap:

Tabel 4.9 Kecepatan *Standard Approach*

	MLW (KG)	MLW (LB)	F25	F30
ATR42	18300	40344	112	104
ATR72	22350	49272	124	113
B733	52889	116600		141
B734	56245	126400		147
B735	49895	110000		135
B737	58604	129200		134
B738	66361	146300		148
B739	79016	147300		157
A319	62500	137789		137
A320	64500	142198		139
A321	75500	166449		147
A332	182000	401240		151

Tabel 4.9 Kecepatan *Standard Approach* (Lanjutan)

A333	187000	412264		150
B772	201800	445000	142	135
B773	237680	524000	157	150
BBJ2	66360	146300		148

4.2.2.2 Runway occupancy time

Dalam analisis diagram ruang-waktu, dibutuhkan pula waktu *runway occupancy* atau penggunaan runway. Penentuan kecepatan saat keluar dari runway (V_e) dapat ditentukan dari jari-jari *rapid exit taxiway* dimana *rapid exit taxiway* Bandar Udara Internasional Juanda memiliki jari-jari sebesar 488 m. Dengan jari-jari 488 m, maka menurut ICAO kecepatan saat keluar runway adalah $49,4\text{kt} \approx 50\text{kt}$. Berikut merupakan contoh perhitungan *runway occupancy time* dari Boeing 737-800:

$$V_{ot} = 148 \text{ kt} = 248,824 \text{ ft/s}$$

$$V_{td} = 148 - 5 = 143 \text{ kt} = 241,384 \text{ ft/s}$$

$$V_e = 50 \text{ kt} = 84,4 \text{ ft/s}, a_1 = 2,5 \text{ ft/s}^2, a_2 = 5 \text{ ft/s}^2$$

$$R_i = \frac{248,824 \text{ ft/s} - 241,384 \text{ ft/s}}{2 \cdot 2,5 \text{ ft/s}^2} + 3 + \frac{241,384 \text{ ft/s} - 84,4 \text{ ft/s}}{2 \cdot 5 \text{ ft/s}^2} = 30,3864 \text{ s}$$

$$\approx 30 \text{ s}$$

Berikut merupakan *runway occupancy time* untuk perhitungan *peak hour standard approach*:

Tabel 4.10 *Runway Occupancy Time Standard Approach*

	Ri (s)
	STD
ATR42	24
ATR72	26
B735	28
B737	28
B738	30
B739	30
A319	29
A320	29
A321	30
A332	31
A333	31
B772	29
B773	32
BBJ2	30
CRJ1000	29

4.2.3 Analisis komponen *steep approach*

Dalam analisis *steep approach*, digunakan sudut *approach* sebesar 4,5°. *Approach* menggunakan MLS/GBAS runway 10 untuk meringankan beban kerja pilot. Komponen analisis yang sama dengan *standard approach* juga digunakan pada analisis menggunakan metode diagram ruang-waktu.

4.2.3.1 Kecepatan *approach*

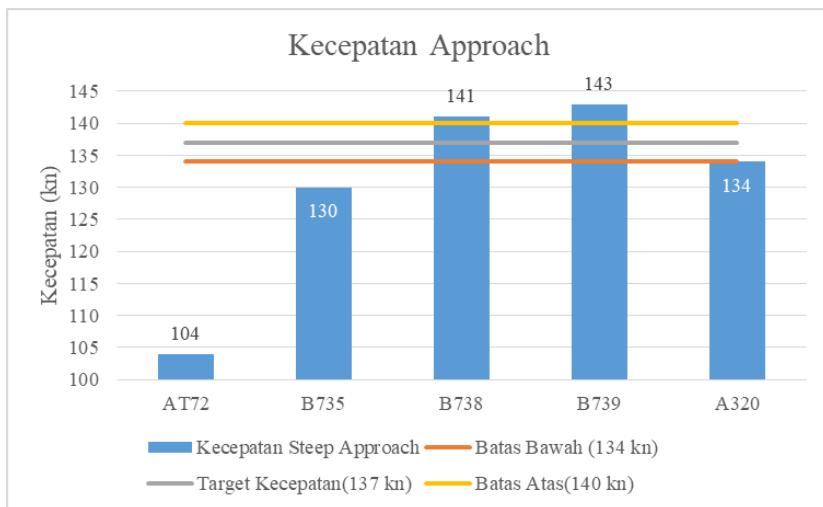
Kecepatan *approach* pesawat pada *steep approach* akan berbeda dibandingkan dengan *standard approach*. Dalam *steep approach*, digunakan setting flap yang lebih tinggi. Penggunaan flap lebih tinggi dapat memberikan gaya angkat yang lebih tinggi dengan gaya tahanan yang besar sehingga pesawat dapat dengan mudah mengikuti jalur *approach* dengan lebih mudah. Kecepatan *steep approach* didapatkan dari QRH dengan kondisi *Maximum Landing Weight* dan menggunakan konfigurasi flap paling tinggi sesuai dengan tipe pesawat.

Pada tugas akhir ini, digunakan kecepatan pesawat dengan konfigurasi 2 flap tertinggi. Konfigurasi flap maksimal tiap pesawat bervariasi seperti pada ATR 72 dengan Flap 30 dan Boeing 737-800 hingga Flap 40. Konfigurasi flap kedua tertinggi digunakan dalam *standard approach* dan konfigurasi tertinggi digunakan pada *steep approach*. Penggunaan konfigurasi pada *steep approach* bertujuan mengurangi kebisingan akibat aerodinamis pesawat seperti gesekan udara dengan sayap, flap, dan roda pendarat) dan mempermudah pilot dalam melakukan *approach*.

Tabel 4.11 Kecepatan *Steep Approach*

	MLW (KG)	MLW (LB)	F25 (Kn)	F30 (Kn)	F40 (Kn)
ATR42	18300	40344	112	104	
ATR72	22350	49272	124	113	
B732	48534	107000		139	135
B733	52889	116600		141	138
B734	56245	126400		147	143
B735	49895	110000		135	130
B737	58604	129200		134	132
B738	66361	146300		148	141

B739	71350	157300		147	143
A319	62500	137789		137	130
A320	64500	142198		139	134
A321	75500	166449		147	140
A332	182000	401240		151	135
A333	187000	412264		150	139
B772	201800	445000	142	135	
B773	237680	524000	157	150	
B744	302093	666000			
BBJ2	66360	146300		148	141



Gambar 4.3 Analisis Kecepatan *Steep Approach Peak Hour*

4.2.3.2 Runway occupancy time

Dalam analisis *runway occupancy time steep approach*, digunakan rumus yang sama seperti perhitungan untuk *standard approach*. Perbedaan dalam analisis dalam *steep approach* ini

adalah kecepatan approach yang lebih rendah, sehingga terjadi perbedaan *runway occupancy time*. Berikut merupakan contoh perhitungan *runway occupancy time* menggunakan Boeing 737-800.

$$V_{ot} = 141 \text{ kt} = 238,008 \text{ ft/s}$$

$$V_{td} = 141 - 5 = 136 \text{ kt} = 229,568 \text{ ft/s}$$

$$V_e = 50 \text{ kt} = 84,4 \text{ ft/s}, a_1 = 2,5 \text{ ft/s}^2, a_2 = 5 \text{ ft/s}^2$$

$$R_i = \frac{238,008 \text{ ft/s} - 229,568 \text{ ft/s}}{2 \cdot 2,5 \text{ ft/s}^2} + 3 + \frac{229,568 \text{ ft/s} - 84,4 \text{ ft/s}}{2 \cdot 5 \text{ ft/s}^2} = 29,2048 \text{ s}$$

$$\approx 29 \text{ s}$$

Berikut merupakan *runway occupancy time* untuk perhitungan *peak hour steep approach*:

Tabel 4.12 Runway Occupancy Time Steep Approach

	Ri (s)
STEEP	
ATR42	23
ATR72	24
B735	27
B737	28
B738	29
B739	30
A319	27
A320	28

Tabel 4.12 *Runway Occupancy Time Steep Approach*
(Lanjutan)

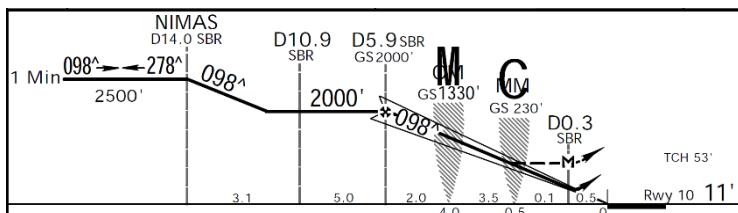
A321	29
A332	28
A333	29
B772	28
B773	31
BBJ2	29
CRJ1000	29

4.3 Analisis Standard Approach

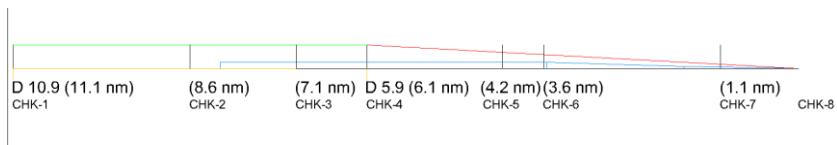
Setelah komponen dalam analisis sudah ditentukan dan dihitung, dilanjutkan dengan analisis diagram ruang-waktu menggunakan data yang dimiliki. Analisis meliputi waktu pada titik kedatangan, titik pelepasan keberangkatan, dan jarak tertentu dari kedatangan pesawat lain. Data didapatkan dari *standard arrival chart (STAR Chart)* Bandar Udara Internasional Juanda, dan separasi pesawat. Analisis dilakukan per jarak titik pantau dan didapatkan waktu pesawat tersebut dapat sampai pada titik tersebut. Disediakan *buffer* 10 detik untuk ketidaktentuan posisi kedatangan. Terdapat 3 tipe urutan pergerakan, berikut merupakan tipe pergerakannya:

- a. Kedatangan-kedatangan
- b. Keberangkatan-keberangkatan

c. Kedatangan-keberangkatan



Gambar 4.4 Profil Horizontal *Standard Approach*



Gambar 4.5 Profil Horizontal *Standard Approach* Dengan Titik Pengamatan

Pada Gambar 4.5, garis hijau merupakan jalur horizontal *approach* dan garis merah merupakan jalur *standard approach* (3°). Garis biru merupakan batas kawasan keselamatan operasional penerbangan (KKOP) dan garis kuning merupakan daratan.

4.3.1 Kedatangan-kedatangan

Pada contoh ini, diketahui bahwa pesawat yang mengikuti kedatangan memiliki kecepatan lebih tinggi

Tabel 4.13 Contoh Analisis Kedatangan-Kedatangan

12:15 PM	IW1873	AT76 (PK-WGQ)	Arrival	12
12:15 PM	QG437	320	Arrival	13

Tabel 4.14 Kecepatan Pesawat Analisis Kedatangan-Kedatangan

	NM/Min
STD	
ATR72	2.066667
A320	2.316667

Maka perlu diketahui pula jarak antar pesawat pada titik-titik pengamatan agar masih memenuhi separasi minimal. Berikut adalah contoh perhitungan separasi antar pesawat.

Tabel 4.15 Perhitungan Separasi Analisis Kedatangan-Kedatangan

DIST	SEC		DIST	SEC	
↑  0	31.9793	12:21:36 PM	0	28.5283	12:23:35 PM
				0.001	
				1.983	2.316
				4.594	
1.1	72.6802	12:21:04 PM	1.1	64.837	12:23:06 PM
				0.001	
				2.033	2.316
				4.710	

Tabel 4.15 Terdiri dari 6 Kolom, Kolom 1&4 menunjukkan jarak dari *runway threshold*. Kolom 2&5 menunjukkan waktu tempuh, dan kolom 3&6 menunjukkan waktu tiba di titik tersebut.

Tabel 4.15 Perhitungan Analisis Separasi Kedatangan-Kedatangan (Lanjutan)

		12:19:51 PM	3.6	15.5608	12:22:01 PM
				0.001	
				2.033	2.316
				4.710	
		12:19:34 PM	4.2	49.2761	12:21:45 PM
				0.001	
				2.166	2.316
				5.058	
		12:18:39 PM	6.1	22.0143	12:20:56 PM
				0.001	
				2.283	2.316
				5.289	
		12:18:36 PM	6.2	3.8848	12:20:34 PM
				0.001	
				3.133	2.316
				7.258	
		12:17:26 PM	7.1	38.8489	12:20:30 PM
				0.001	
				1.9	2.316

Tabel 4.15 Perhitungan Analisis Separasi Kedatangan-Kedatangan (Lanjutan)

				4.401	
8.6	72.5806	12:16:42 PM	8.6	64.7482	12:19:51 PM
				0.002	
				3.15	2.316
				7.297	
11.1	12:15:29 PM		11.1	12:18:46 PM	
ARR	IW1873	AT76 (PK-WGQ)	ARR	QG437	320
	12			13	

Metode untuk mengecek separasi adalah dengan mengurangi waktu pesawat mengikuti dengan pesawat didepannya pada titik pantau yang sama. Setelah itu, dapat dikalikan dengan kecepatan pesawat yang mengikuti. Analisis harus mencakup seluruh titik pantau agar diketahui titik kritisnya. Dalam contoh diatas, digunakan analisis pada titik pantau 7.1 NM dari *runway threshold* sebagai contoh perhitungan seperti berikut:

Waktu IW1873 melewati titik 7.1 = 12:17:26 PM

Waktu QG437 melewati titik 7.1 = 12:20:30 PM

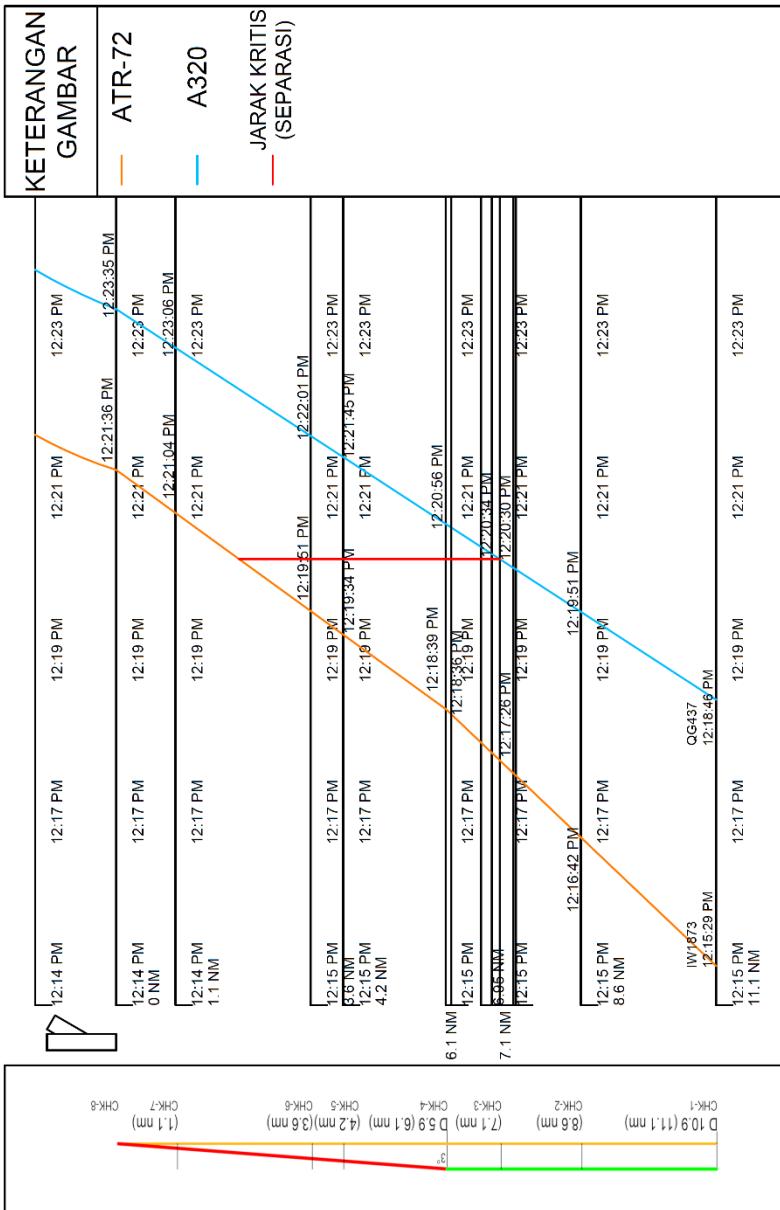
$$\Delta T = 12:20:30 - 12:17:26 = 1,9 \text{ menit}$$

Kecepatan Pesawat yang mengikuti = 139 kt = 2,316 NM/min

$$d = \Delta T \times V_{app\ follow}$$

$$d = 1,9 \times 2,316 = 4,401 \text{ NM} > 4 \text{ NM (OK!)}$$

Jika pada analisis masih ditemukan pesawat yang tidak memenuhi separasi minimal, dapat mengubah waktu titik kedatangan (11.1 NM) dengan menambah waktu tersebut. Jika pesawat yang mengikuti memiliki kecepatan yang sama, dapat digunakan waktu pada titik kedatangan sama dengan jarak titik kedatangan (11.1 NM) dikurangi dengan kebutuhan separasi minimal.



Gambar 4.6 Diagram Ruang-Waktu Kedatangan-Kedatangan Standard Approach

4.3.2 Keberangkatan-kedatangan

Dalam contoh berikutnya, digunakan contoh keberangkatan diikuti dengan kedatangan.

Tabel 4.16 Contoh Analisis Keberangkatan-Kedatangan

12:00 PM	SJ334	738	Depart	5
12:05 PM	JT260	739	Depart	6
12:10 PM	JT177	739	Arrival	7

Dikarenakan sebelum JT260 terdapat keberangkatan, maka jarak antar keberangkatan pada JT 260 adalah 60 detik.

Tabel 4.17 *Release Distance* Boeing 737-900ER

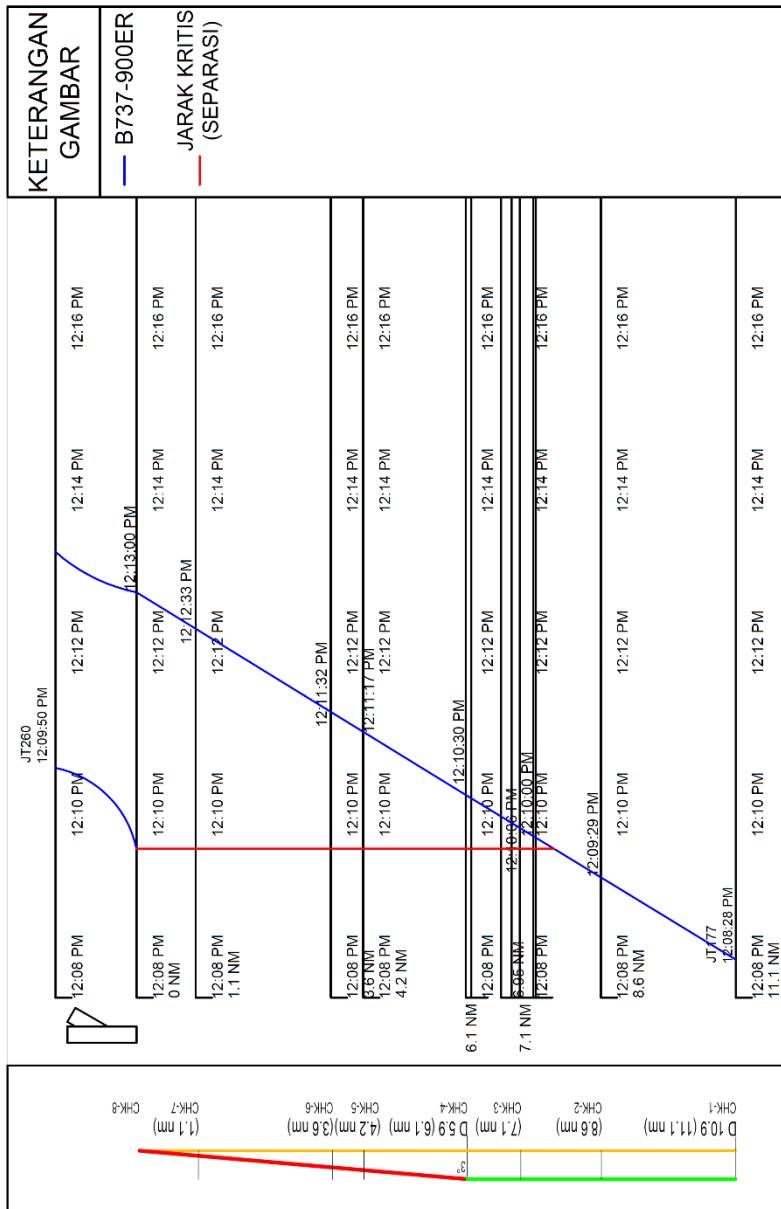
Aircraft Type	Approach Speed (NM/Min)	Release Distance (NM)
	STD	STD
B739	2.45	7.35

Tabel 4.18 Perhitungan Pelepasan Analisis Keberangkatan-Kedatangan

			DIST	SEC	
			0	26.975	12:13:00 PM
			1.1	61.308	12:12:33 PM
			3.6	14.714	12:11:32 PM
			4.2	46.594	12:11:17 PM
			6.1	24.489	12:10:30 PM
			7.1	6.122	12:10:06 PM
			7.35	30.612	12:10:00 PM
			8.6	61.224	12:09:29 PM
DEP	60	12:09:50 PM	11.1	JT177	12:08:28 PM
6	JT260	739	ARR	7	739

Tabel 4.18 Terdiri dari 6 kolom, kolom 2 diatas nama penerbangan, menunjukkan separasi antar pesawat lepas landas. Pada kolom 3, menunjukkan waktu lepas landas dan pada kolom 4, menunjukkan jarak ke *runway threshold*. Pada kolom 5, menunjukkan waktu tempuh dan pada kolom 6 menunjukkan waktu tiba di titik tersebut.

Dalam analisis ini, bagian yang perlu dicek adalah waktu pelepasan keberangkatan JT260 terhadap *release distance* JT177. Dalam contoh ini, *release distance* untuk *standard approach* Boeing 737-900ER adalah 7,35 NM dan waktu ketika JT177 Melewati titik pantau 7,35 NM adalah pukul 12:10:00 PM, sesuai dengan waktu pelepasan keberangkatan JT260. Jika waktu pada *release distance* lebih dahulu dibanding waktu pelepasan keberangkatan, maka waktu titik kedatangan harus ditambahkan.



Gambar 4.7 Diagram Ruang-Waktu Kebangkitan-Kedatangan
Standard Approach

4.3.3 Keberangkatan-kedatangan

Pada contoh berikutnya, adalah contoh pelepasan keberangkatan setelah kedatangan.

Tabel 4.19 Contoh Analisis Kedatangan-Keberangkatan

12:25 PM	SJ266	B738 (PK-CLA)	Arrival	17
12:30 PM	JT269	B738 (PK-LPV)	Arrival	18
12:30 PM	GA315	B738 (PK-GME)	Depart	19

Dalam contoh ini, akan disertai dengan penerbangan SJ266 yang akan mempengaruhi hasil analisis keberangkatan.

Tabel 4.20 *Release Distance* Boeing 737-800

Aircraft Type	Approach Speed (NM/Min)	Release Distance (NM)
	STD	STD
B738	2.466667	7.4

Tabel 4.21 *Runway Occupation Time* Boeing 737-800

Ri	
STD	
B738	30.3864

Tabel 4.22 Perhitungan Pelepasan Analisis Kedatangan-Keberangkatan

DIST		DIST	SEC				
↑ 0	12:30:58 PM	0	26.793	12:32:45 PM			
1.1	12:30:31 PM	1.1	60.894	12:32:18 PM			

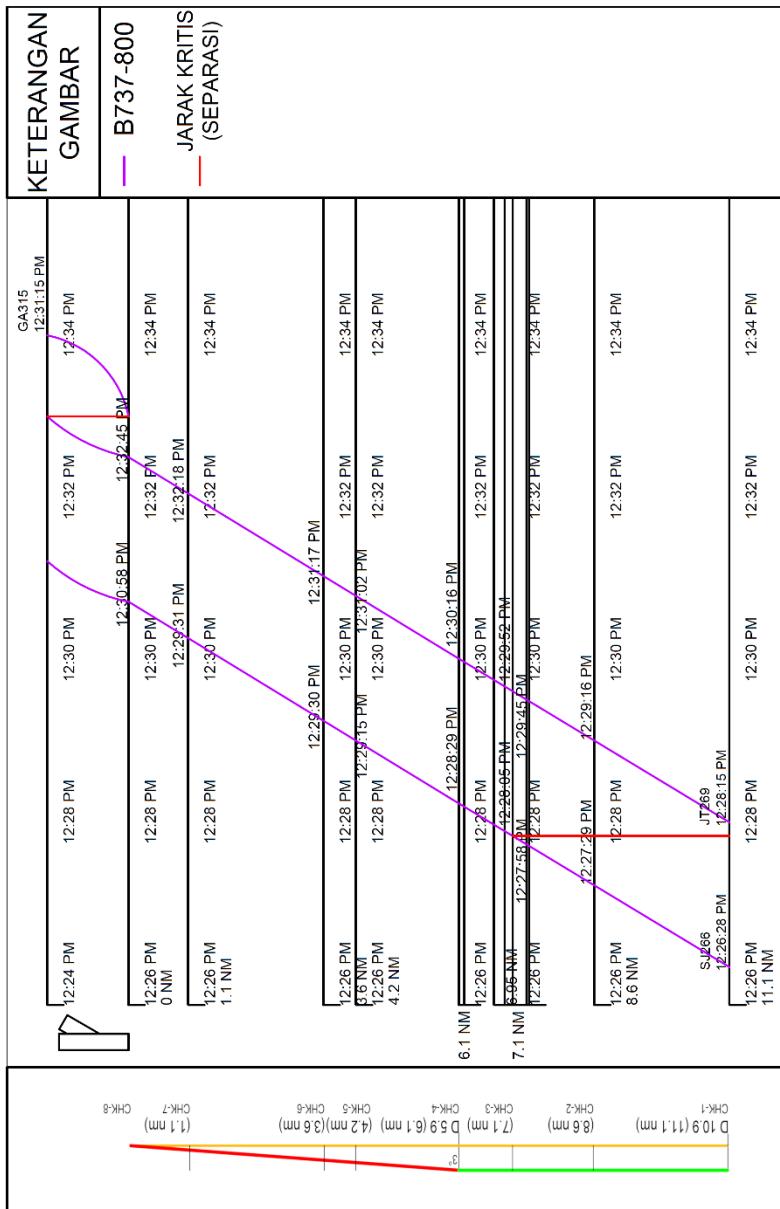
Tabel 4.22 Perhitungan Pelepasan Analisis Kedatangan-Keberangkatan (Lanjutan)

3.6	12:29:30 PM	3.6	14.614	12:31:17 PM			
4.2	12:29:15 PM	4.2	46.279	12:31:02 PM			
6.1	12:28:29 PM	6.1	24.324	12:30:16 PM			
7.1	12:28:05 PM	7.1	7.297	12:29:52 PM			
7.4	12:27:58 PM	7.4	29.189	12:29:45 PM			
8.6	12:27:29 PM	8.6	60.810	12:29:16 PM			
11.1	12:26:28 PM	11.1		12:28:15 PM		30.386	12:33:15 PM
AR	SJ266	AR	JT269	B738	DE	GA315	B738
17	B738		18			19	

Tabel 4.22 terdiri dari 8 kolom, dalam kolom 1 dan 3 merupakan jarak dari *runway threshold*. Kolom 2 dan 5 merupakan waktu tiba di titik tersebut, kolom 4 merupakan waktu tempuh. Kolom 7 merupakan *runway occupancy time (ROT)* dan kolom 8 merupakan waktu lepas landas.

Pada analisis ini, GA315 dapat dilepas keberangkatannya pada pukul 12:29:45 PM saat JT269 berada pada *release distance* (7,4 NM) dari landasan. Namun disaat yang sama, SJ266 masih dalam kondisi *approach* dengan jarak kurang dari 3,6 NM dari *runway threshold* maka keberangkatan GA315 baru dapat dilepas setelah JT269 mendarat dan keluar dari landasan.

Dari hasil analisis *standard approach* menggunakan metode diagram ruang-waktu, didapatkan kapasitas landasan dengan jumlah 34 pergerakan per jam. Analisis selengkapnya terdapat pada lampiran.

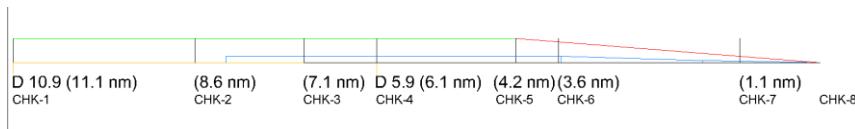


Gambar 4.8 Diagram Ruang-Waktu Kedatangan-Keberangkatan
Standard Approach

4.4 Analisis Steep Approach

Pada analisis diagram ruang-waktu *steep approach*, komponen analisis sama dengan komponen analisis *standard approach*. Data didapatkan dari profil pendaratan yang telah dimodifikasi dari profil *standard approach*, dan separasi pesawat. Analisis dilakukan per jarak titik pantau dan didapatkan waktu pesawat tersebut dapat sampai pada titik tersebut. Disediakan *buffer* 10 detik untuk ketidaktentuan posisi kedatangan. Terdapat 3 tipe urutan pergerakan, berikut merupakan tipe pergerakannya:

- Kedatangan-kedatangan
- Keberangkatan-keberangkatan
- Kedatangan-keberangkatan



Gambar 4.9 Profil Horizontal *Steep Approach* Dengan Titik Pengamatan

Pada gambar 4.9, garis hijau merupakan jalur *approach* horizontal dan garis merah merupakan jalur *steep approach* ($4,5^{\circ}$). Garis biru merupakan batas kawasan keselamatan operasional penerbangan (KKOP) dan garis kuning merupakan daratan.

4.4.1 Kedatangan-kedatangan

Pada contoh ini, diketahui bahwa pesawat yang mengikuti kedatangan memiliki kecepatan lebih tinggi

Tabel 4.23 Contoh Analisis Kedatangan-Kedatangan

12:15 PM	IW1873	AT76 (PK-WGQ)	Arrival	12
12:15 PM	QG437	320	Arrival	13

Tabel 4.24 Kecepatan Pesawat Analisis Kedatangan-Kedatangan

Aircraft Type	Approach Speed (NM/Min)
STEEP	
ATR72	1.883333
A320	2.233333

Maka perlu diketahui pula jarak antar pesawat pada titik-titik pengamatan agar masih memenuhi separasi minimal. Berikut adalah contoh perhitungan separasi antar pesawat.

Tabel 4.25 Perhitungan Separasi Analisis Kedatangan-Kedatangan

DIST	SEC		DIST	SEC	
0	35.152	12:21:55 PM	0	29.643	12:23:54 PM
				0.0013	
				1.983	2.233
				4.057	
1.1	79.892	12:21:20 PM	1.1	67.371	12:23:24 PM

Tabel 4.25 Terdiri dari 6 Kolom, Kolom 1&4 menunjukkan jarak dari *runway threshold*. Kolom 2&5 menunjukkan waktu tempuh, dan kolom 3&6 menunjukkan waktu tiba di titik tersebut.

Tabel 4.25 Perhitungan Analisis Separasi Kedatangan-Kedatangan (Lanjutan)

				0.0014	
				2.066	2.233
				4.615	
3.6	19.174	12:20:00 PM	3.6	16.169	12:22:17 PM
				0.0015	
				2.283	2.233
				5.099	
4.2	46.194	12:19:41 PM	4.2	51.044	12:22:03 PM
				0.0016	
				2.333	2.233
				5.211	
5.65	17.522	12:18:55 PM	6.1	16.119	12:21:10 PM
				0.0015	
				2.25	2.233
				5.025	
6.1	31.858	12:18:37 PM	6.7	10.746	12:20:54 PM

Tabel 4.25 Perhitungan Analisis Separasi Kedatangan-Kedatangan (Lanjutan)

				0.0015	
				2.283	2.233
				5.099	
7.1	47.787	12:18:05 PM	7.1	40.298	12:20:4 3 PM
				0.0018	
				2.633	2.233
				5.881	
8.6	79.646	12:17:17 PM	8.6	67.164	12:20:0 3 PM
				0.0019	
				2.76	2.233
				6.178	
11.1	12:15:57 PM		11.1	12:18:5 6 PM	
AR R	IW1873	AT76 (PK -WGQ)	QG43 7	320	
	12		13		

Metode untuk mengecek separasi adalah dengan mengurangi waktu pesawat mengikuti dengan pesawat didepannya pada titik

pantau yang sama. Setelah itu, dapat dikalikan dengan kecepatan pesawat yang mengikuti. Analisis harus mencakup seluruh titik pantau agar diketahui titik kritisnya. Dalam contoh diatas, digunakan analisis pada titik pantau 0 NM atau pada *runway threshold* sebagai contoh perhitungan seperti berikut:

Waktu IW1873 melewati *runway threshold* = 12:21:55 PM

Waktu QG437 melewati titik *runway threshold* = 12:23:54 PM

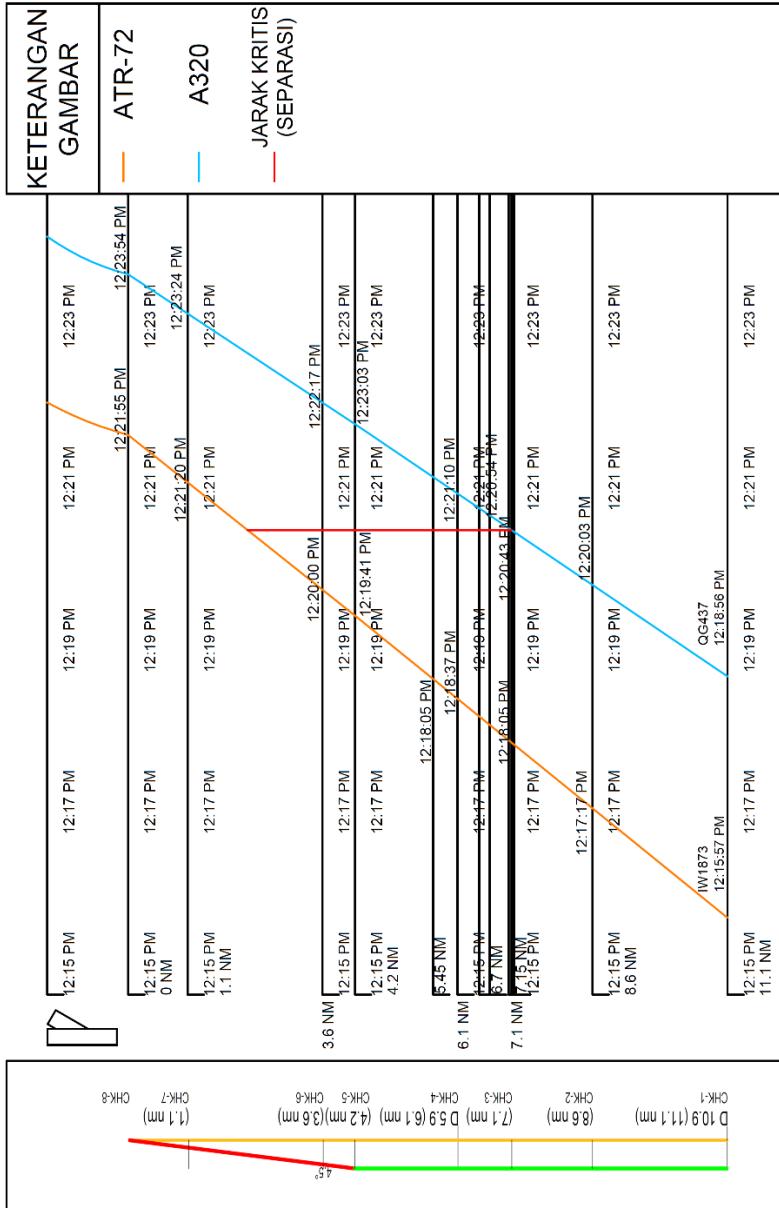
$$\Delta T = 12:23:54 - 12:21:55 = 1,983 \text{ menit}$$

Kecepatan Pesawat yang mengikuti =134 kt =2,233NM/min

$$d = \Delta T \times V_{app\ follow}$$

$$d = 1,983 \times 2,233 = 4,429 \text{ NM} > 4 \text{ NM (OK!)}$$

Jika pada analisis masih ditemukan pesawat yang tidak memenuhi separasi minimal, dapat mengubah waktu titik kedatangan (11.1 NM) dengan menambah waktu tersebut. Jika pesawat yang mengikuti memiliki kecepatan yang sama, dapat digunakan waktu pada titik kedatangan sama dengan jarak titik kedatangan (11.1 NM) dikurangi dengan kebutuhan separasi minimal.



Gambar 4.10 Diagram Ruang-Waktu Kedatangan-Kedatangan *Sleep Approach*

4.4.2 Keberangkatan-kedatangan

Dalam contoh berikutnya, digunakan contoh keberangkatan diikuti dengan kedatangan.

Tabel 4.26 Contoh Analisis Keberangkatan-Kedatangan

12:00 PM	SJ334	738	Depart	5
12:05 PM	JT260	739	Depart	6
12:10 PM	JT177	739	Arrival	7

Dikarenakan sebelum JT260 terdapat keberangkatan, maka jarak antar keberangkatan pada JT 260 adalah 60 detik.

Tabel 4.27 *Release Distance* Boeing 737-900ER

Aircraft Type	Approach Speed (NM/Min)	Release Distance (NM)
	STEEP	STEEP
B739	2.383333	7.15

Tabel 4.28 Perhitungan Pelepasan Analisis Keberangkatan-Kedatangan

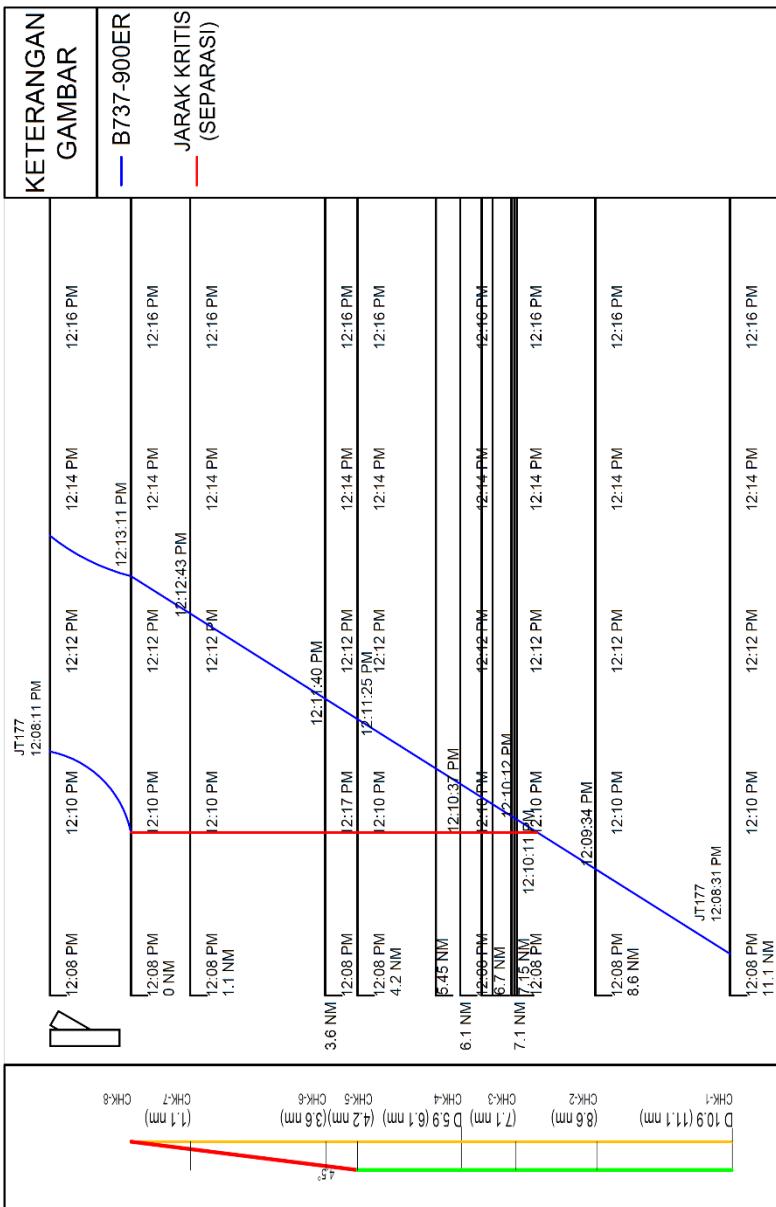
↑			DIST	SEC	
			0	27.777	12:13:11 PM
			1.1	63.131	12:12:43 PM
			3.6	15.151	12:11:40 PM
			4.2	47.832	12:11:25 PM
			6.1	25.174	12:10:37 PM
			7.1	1.258	12:10:12 PM
			7.15	36.503	12:10:11 PM
			8.6	62.937	12:09:34 PM
	60	12:10:01 PM	11.1	12:08:31 PM	

Tabel 4.28 Perhitungan Pelepasan Analisis Keberangkatan-Kedatangan (Lanjutan)

DEP	JT260	739	ARR	JT177	739
	6			7	

Tabel 4.28 Terdiri dari 6 kolom, kolom 2 diatas nama penerbangan, menunjukkan separasi antar pesawat lepas landas. Pada kolom 3, menunjukkan waktu lepas landas dan pada kolom 4, menunjukkan jarak ke *runway threshold*. Pada kolom 5, menunjukkan waktu tempuh dan pada kolom 6 menunjukkan waktu tiba di titik tersebut.

Dalam analisis ini, bagian yang perlu dicek adalah waktu pelepasan keberangkatan JT260 terhadap *release distance* JT177. Dalam contoh ini, *release distance* untuk *steep approach* Boeing 737-900ER adalah 7,15 NM dan waktu ketika JT177 Melewati titik pantau 7,15 NM adalah pukul 12:10:11 PM, sesuai dengan waktu pelepasan keberangkatan JT260. Jika waktu pada *release distance* lebih dahulu dibanding waktu pelepasan keberangkatan, maka waktu titik kedatangan harus ditambahkan.



Gambar 4.11 Diagram Ruang-Waktu Keberangkatan-Kedatangan Steep Approach

4.4.3 Kedatangan-keberangkatan

Pada contoh berikutnya, adalah contoh pelepasan keberangkatan setelah kedatangan.

Tabel 4.29 Contoh Analisis Kedatangan-Keberangkatan

12:25 PM	SJ266	B738 (PK-CLA)	Arrival	17
12:30 PM	JT269	B738 (PK-LPV)	Arrival	18
12:30 PM	GA315	B738 (PK-GME)	Depart	19

Dalam contoh ini, akan disertai dengan penerbangan SJ266 yang akan mempengaruhi hasil analisis keberangkatan.

Tabel 4.30 *Release Distance* Boeing 737-800

Aircraft Type	Approach Speed (NM/Min)	Release Distance (NM)
	STEEP	STEEP
B738	2.35	7.05

Tabel 4.31 *Runway Occupation Time* Boeing 737-800

	Ri
	STEEP
B738	29.2048

Tabel 4.32 Perhitungan Pelepasan Analisis Kedatangan-Keberangkatan

DIST		DIST	SEC			
0	12:31:33 PM	0	28.171	12:33:25 PM		
1.1	12:31:05 PM	1.1	64.027	12:32:57 PM		

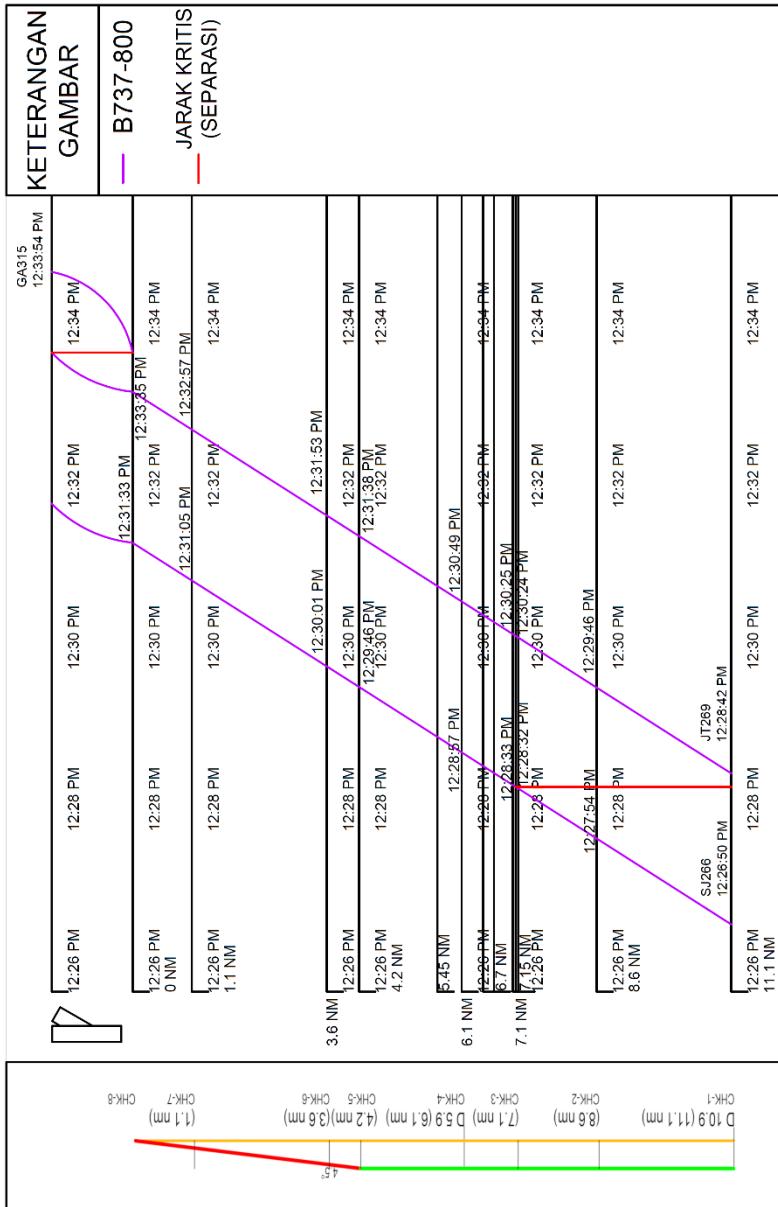
Tabel 4.32 Perhitungan Pelepasan Analisis Kedatangan-Keberangkatan (Lanjutan)

3.6	12:30:01 PM	3.6	15.366	12:31:53 PM			
4.2	12:29:46 PM	4.2	48.510	12:31:38 PM			
6.1	12:28:57 PM	6.1	24.255	12:30:49 PM			
7.05	12:28:33 PM	7.05	1.276	12:30:25 PM			
7.1	12:28:32 PM	7.1	38.297	12:30:24 PM			
8.6	12:27:54 PM	8.6	63.829	12:29:46 PM			
11.1	12:26:50 PM	11.1		12:28:42 PM		29.204	12:33:54 PM
AR	B738	AR	JT269	B738	DE	GA315	B738
17	SJ266		18			19	

Tabel 4.32 terdiri dari 8 kolom, dalam kolom 1 dan 3 merupakan jarak dari *runway threshold*. Kolom 2 dan 5 merupakan waktu tiba di titik tersebut, kolom 4 merupakan waktu tempuh. Kolom 7 merupakan *runway occupancy time (ROT)* dan kolom 8 merupakan waktu lepas landas.

Pada analisis ini, GA315 dapat dilepas keberangkatannya pada pukul 12:30:25 PM saat JT269 berada pada *release distance* (7,05 NM) dari landasan. Namun disaat yang sama, SJ266 masih dalam kondisi *approach* dengan jarak kurang dari 3,6 NM dari *runway threshold* maka keberangkatan GA315 baru dapat dilepas setelah JT269 mendarat dan keluar dari landasan.

Dari hasil analisis *steep approach* menggunakan metode diagram ruang-waktu, didapatkan kapasitas landasan dengan jumlah 34 pergerakan per jam. Analisis selengkapnya terdapat pada lampiran.



Gambar 4.12 Diagram Ruang-Waktu Kedatangan-Keberangkatan Steep Approach

4.5 Analisis Instrumen Pendaratan

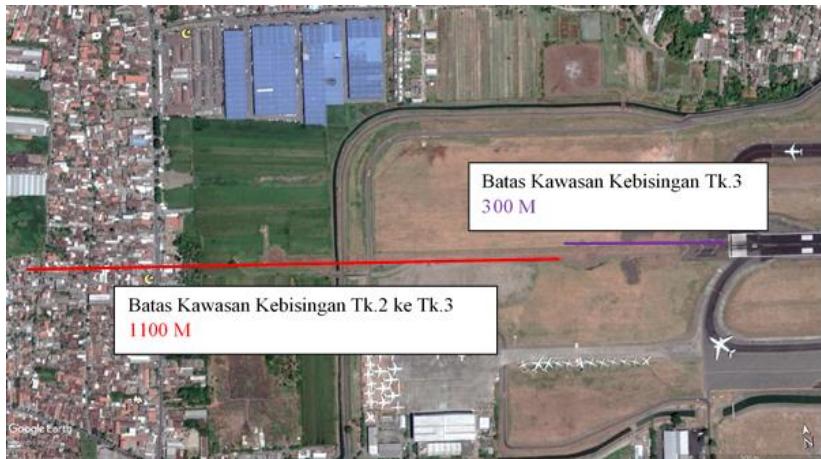
Peralatan PAPI akan digunakan untuk *steep approach*, dengan pertimbangan bahwa pada *peak hour* seluruh pesawat merupakan pesawat dengan *wake turbulence ‘Medium’*. Pesawat dengan *wake turbulence ‘Heavy’* cenderung tidak dapat melakukan *steep approach* seperti Boeing 747-400 dan oleh karena itu, pesawat dengan kategori *wake turbulence ‘Heavy’* menggunakan *standard approach*. Untuk peralatan navigasi lain seperti *Instrument Landing System (ILS)*, tetap menggunakan sudut pendaratan *standard approach* (3°) dengan pertimbangan tidak diperlukan perubahan terhadap *Localizer* dan *Glide Slope* dan dapat digunakan untuk pesawat yang tidak menggunakan *steep approach*.

Peralatan *precision approach* untuk menggantikan ILS dalam *steep approach* dapat menggunakan *Microwave Landing System (MLS)* atau *GBAS Landing System (GLS)*. Pertimbangan dalam penggunaan peralatan tersebut adalah jumlah komponen yang lebih sedikit karena area yang terbatas serta daya jangkau dari sinyal MLS dan GLS yang luas secara vertikal dan horizontal. Penggunaan MLS dan GLS berdasarkan pada studi *benefit-cost* pihak bandara.

4.6 Analisis Kebisingan

Penggunaan *steep approach* bertujuan untuk mengurangi paparan kebisingan terhadap lingkungan di sekitar bandara, terutama pada jalur *approach*. Pada penelitian Hafizhurrahman di tahun 2018, diketahui bahwa pada jarak $\pm 1400\text{m}$ dari *runway threshold* pada *runway 10 Juanda* merupakan kawasan kebisingan

tingkat 2 (75 hingga 80 dB WECPNL) menurut PP No. 40 Tahun 2012. Berikut adalah gambaran dari lokasi:



Gambar 4.13 Kawasan Kebisingan Juanda
(Sumber : Google Earth)

Garis merah menggambarkan batas kawasan kebisingan tingkat 2, garis ungu merupakan batas kawasan kebisingan tingkat 3 (≥ 80 dB WECPNL). Garis merah adalah jarak dari batas kawasan kebisingan tingkat 2 ke tingkat 3, dengan jarak ± 1100 m. Garis ungu merupakan jarak dari *runway threshold* ke batas kebisingan tingkat 2. Jarak dari *runway threshold* menuju kawasan kebisingan tingkat 3 adalah ± 300 m.

Pengurangan kebisingan menurut Antoine dan Kroo di tahun 2004 yaitu sebesar 7,7 EPNdB atau sekitar 8,73%. Perhitungan jarak batas kawasan kebisingan tingkat 3 dan 2 adalah sebagai berikut:

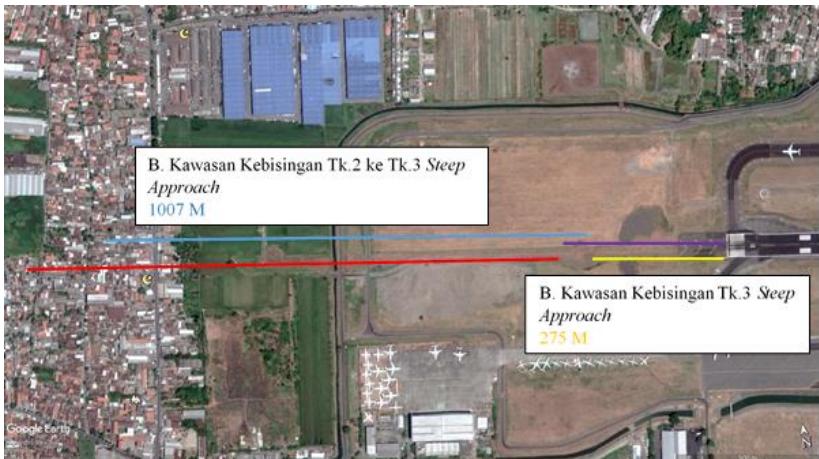
$$\text{Pengurangan Kebisingan} = \frac{91,6 - 83,9 \text{ EPNdB}}{91,6 \text{ EPNdB}} = 8,73\%$$

Jarak batas kebisingan tingkat 3 =

$$300 \text{ m} \times (100\% - 8,73\%) = 275 \text{ m}$$

Jarak batas kebisingan tingkat 2 dari tingkat 3 =

$$1100 \text{ m} \times (100\% - 8,73\%) = 1007 \text{ m}$$



Gambar 4.14 Kawasan Kebisingan Juanda *Steep Approach*
(Sumber : Google Earth)

Garis biru muda merupakan batas kawasan kebisingan tingkat 2 setelah penggunaan *steep approach* dan garis kuning merupakan batas kawasan kebisingan tingkat 3 setelah penggunaan *steep approach*. Kawasan kebisingan tingkat 2 terlihat pada gambar mengcil dan lebih mendekat ke arah Jalan Raya Sedati yang berjarak 1282 m dari *runway threshold*. Terdapat pengurangan paparan kebisingan terhadap perumahan sebesar 60,5% dari 271 m dari Jalan Raya Sedati menjadi 107 m.

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BAB V

KESIMPULAN DAN SARAN

5.1 Kesimpulan

1. Pengaruh *steep approach* terhadap kecepatan *approach* pesawat yang sekarang beroperasi adalah sebagai berikut:
 - a. Dengan menggunakan target kecepatan *steep approach* $137 \text{ kt} \pm 3 \text{ kt}$, terdapat enam pesawat yang memenuhi kriteria dalam kondisi *Maximum Landing Weight (MLW)*. Boeing 737-300 (138 kt), Airbus A320 (134 kt), Airbus A321 (140 kt), Airbus A330-200 (135 kt) Airbus A330-300 (139 kt), dan Boeing 777-200 (135 kt).
 - b. Pesawat terbesar dalam analisis *peak hour* adalah Boeing 737-900ER dengan kecepatan *approach* pada *steep approach* sebesar 147 kt. Pesawat terkecil pada analisis *peak hour* adalah ATR 72 dengan kecepatan *approach* pada *steep approach* sebesar 113 kt.
2. Kapasitas *runway ultimate* berdasarkan lalu-lintas udara terkini melalui metode diagram ruang-waktu dengan *standard approach* adalah 34 pergerakan per jam. Angka ini didapatkan dari *peak hour* pengamatan mulai Senin, 12 November 2018 hingga Minggu, 18 November 2018. *Peak Hour* diketahui terjadi pada hari Minggu, 18 November 2018 pukul 12.00 hingga pukul 12.59 WIB dengan penerbangan berjumlah 39.
3. Kapasitas *runway* berdasarkan lalu-lintas udara terkini melalui metode diagram ruang-waktu dengan *steep approach* adalah 34 pergerakan per jam. Angka ini didapatkan dari *peak hour* pada hari Minggu, 18 November 2018 pukul 12.00 hingga pukul 12.59 WIB. Kapasitas ini sama dengan kapasitas *runway ultimate* dengan jumlah 34 pergerakan. Hal ini menunjukkan

bahwa tidak terjadi pengurangan kapasitas. Hal ini disebabkan oleh perbedaan jarak tempuh *approach* yang kecil yaitu 24,65 ft dan perbedaan kecepatan *approach* 4 hingga 11 knot lebih lambat dari *standard approach*.

4. ILS digunakan untuk *standard approach* dan PAPI digunakan untuk *steep approach*. *Microwave landing system* dan *GBAS landing system* dapat digunakan sebagai peralatan *precision approach* dan berdasarkan hasil studi *benefit-cost* dari pihak bandara.
5. Penggunaan *steep approach* dapat mengurangi paparan kebisingan terhadap kawasan perumahan di sekitar bandara. Pengurangan paparan kebisingan tingkat 2 terhadap perumahan di area bandara sebesar 60,5%. Jarak kebisingan tingkat 2 berkurang dari 1400 m menjadi 1282 m.

5.2 Saran

1. Untuk pengaplikasian, diperlukan penelitian lebih lanjut dengan faktor manusia (pilot) sebagai salah satu penentu aplikasi *steep approach* pada bandara-bandara lain.
2. Studi lebih lanjut mengenai struktural pesawat dan perawatan pesawat diperlukan dalam penelitian *steep approach* selanjutnya agar hasil ini dapat dipertimbangkan oleh operator penerbangan.
3. Penggunaan teknologi mesin pesawat dengan *bypass ratio* tinggi dapat mengurangi kebisingan dan mulai diterapkan untuk pesawat generasi terkini (Airbus A320neo, Airbus A330neo, Airbus A350, Airbus A220 (Bombardier Cseries), Boeing 737 MAX, Boeing 777x, Boeing 787, Boeing 747-8, Comac C919, Embraer E2 Jet, Irkut MS-21, dan Mitsubishi MRJ). Diperlukan penelitian lebih lanjut mengenai kebisingan pesawat generasi terbaru ini dan

kelayakan penggunaan/ pengecualian *steep approach* bagi pesawat ini.

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DAFTAR PUSTAKA

- Antoine, N.E. dan Kroo, I.M. . 2004. **Aircraft Optimization for Minimal Environmental Impact.** Stanford: Stanford University.
- Boehm-Davis, D., Casali, J., Kleiner, B., Lancaster, J., Saleem, J., dan Wochinger, K. 2007. **Pilot Performance, Strategy, and Workload While Executing Approaches at Steep Angles and With Lower Landing Minima.** Fairfax: George Mason University.
- Boeing. 2009. **737NG Quick Reference Handbook.** Seattle: The Boeing Company.
- Boeing. 2013. **737 Airplane Characteristics for Airport Planning.** Seattle: The Boeing Company.
- Dirjenhubud. 2011. **CASR PART 091 General Operating And Flight Rules Amdt.3.** Jakarta: Kementrian Perhubungan Direktorat Jendral Perhubungan Udara.
- Dirjenhubud. 2009. **Peraturan Keselamatan Penerbangan Sipil (P.K.P.S.) Bagian 170 Peraturan Lalu Lintas Udara.** Jakarta: Kementrian Perhubungan Direktorat Jendral Perhubungan Udara.
- EASA. 2016. **European Aviation Environmental Report.** <URL: <https://www.easa.europa.eu/eaer/topics/technology-and-design/figures-and-tables>>
- FAA. 2018. **AC 25-7D Flight Test Guide for Certification of Transport Category Airplanes.** Washington DC: FAA.
- FAA. 2015. **Order JO 7110.65W Air Traffic Control.** Washington DC: FAA.

- FAA. 2014. **Order 6750.16E Siting Criteria for Instrument Landing Systems.** Washington DC: FAA.
- Flightradar24 AB. 2018. **Surabaya Juanda International Airport (SUB/WARR) Arrivals, Departures & Routes.** <URL: <https://www.flightradar24.com/data/airports/sub>>
- Hafizhurrahman, Muhammad. 2018. **Analisis Kontur Kebisingan Pesawat di Bandar Internasional Juanda sebagai Dasar Perencanaan Perkembangan Area Sekitar Bandara.** Surabaya: ITS.
- Horonjeff, Robert, et al. 2010. **Planning and Design of Airports (Fifth Edition).** New York: McGraw Hill.
- IATA. 2018. **Fact Sheet Industry Statistics June 2018.** Montreal: IATA.
- ICAO. 2005. **Doc 9157 Aerodrome Design Manual – Part 2.** Montreal: ICAO.
- ICAO. 2007. **Annex 10 Aeronautical Telecommunications – Volume 1.** Montreal: ICAO.
- ICAO. 2008. **Doc 9829 Guidance on the Balanced Approach to Aircraft Noise Management.** Montreal: ICAO.
- ICAO. 2016. **Doc 4444 Procedures for Air Navigation Services Air Traffic Management Sixteenth Edition.** Montreal: ICAO.
- Kemenkumham. 2012. **PP No.40 Tahun 2012 Pembangunan dan Pelestarian Lingkungan Hidup Bandar Udara.** Jakarta: Kementerian Hukum dan Hak Asasi Manusia.

- Mollwitz, V. dan Korn, B. 2014. **Steep Segmented Approaches for Active Noise Abatement – A Flyability Study.** Braunschweig: DLR Institute of Flight Guidance.
- Toeben, H., Mollwitz, V., Bertsch, L., Geister, R., Korn, B., and Kügler, D., 2013. "Flight Testing of Noise Abating Required Navigation Performance Procedures and Steep Approaches". **Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering.** Los Angeles: SAGE Publishing.
- Trax International. 2016. **3.2° Slightly Steeper Approach Trial Report.** London: Trax International.

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	MLW (KG)	MLW (LB)
ATR42	18300	40344
ATR72	22350	49272
B732	48534	107000
B733	52889	116600
B734	56245	126400
B735	49895	110000
B737	58604	129200
B738	66361	146300
B739	71350	157300
A319	62500	137789
A320	64500	142198
A321	75500	166449
A332	182000	401240
A333	187000	412264
B772	201800	445000
B773	237680	524000
B744	302093	666000
BBJ2	66360	146300
BE20		
BE30		
C212		
CN35		
CRJ1000	36968	81500

VREV	=1.3xVs		KNOT	= 1 NM/H	NM/Min
F25	F30	F40	NO DATA		
	112	104	(F15)		
	124	113	(F15)		
		139	135		
		141	138		
		147	143		
		135	130		
		134	132		
		148	141		
		147	143		
		137	130		
		139	134		
		147	140		
		151	135	VLS	
		150	139	VLS	
	142	135			
	157	150			
				747 PW	
		148	141		
			139		

=1.23xVs

ARR REL

STD	STEEP
5.6	5.2
6.2	5.65
7.05	6.9
7.35	7.15
6.75	6.5
6.7	6.6
7.4	7.05
7.35	7.15
6.85	6.5
6.95	6.7
7.35	7
7.55	6.75
7.5	6.95
7.1	6.75
7.85	7.5
7.4	7.05
6.95	6.95

Vot (ft/s)	Vtd (ft/s)		Vex(ft/sec		A1	A2	Ri	
STD	STEEP	STD	STEEP				STD	STEEP
189.056	175.552	180.616	167.112	84.4	2.5	5	24.3096	22.9592
209.312	190.744	200.872	182.304	84.4	2.5	5	26.3352	24.4784
238.008	232.944	229.568	224.504	84.4	2.5	5	29.2048	28.6984
248.136	241.384	239.696	232.944	84.4	2.5	5	30.2176	29.5424
227.88	219.44	219.44	211	84.4	2.5	5	28.192	27.348
226.192	222.816	217.752	214.376	84.4	2.5	5	28.0232	27.6856
249.824	238.008	241.384	229.568	84.4	2.5	5	30.3864	29.2048
248.136	241.384	239.696	232.944	84.4	2.5	5	30.2176	29.5424
231.256	219.44	222.816	211	84.4	2.5	5	28.5296	27.348
234.632	226.192	226.192	217.752	84.4	2.5	5	28.8672	28.0232
248.136	236.32	239.696	227.88	84.4	2.5	5	30.2176	29.036
254.888	227.88	246.448	219.44	84.4	2.5	5	30.8928	28.192
253.2	234.632	244.76	226.192	84.4	2.5	5	30.724	28.8672
239.696	227.88	231.256	219.44	84.4	2.5	5	29.3736	28.192
265.016	253.2	256.576	244.76	84.4	2.5	5	31.9056	30.724
249.824	238.008	241.384	229.568	84.4	2.5	5	30.3864	29.2048
234.632	234.632	226.192	226.192	84.4	2.5	5	28.8672	28.8672

ARRIVAL

				Per 30 Menit	Per 15 Menit
Monday, Nov 12				254	
5:40 AM	QG710	Jakarta (CG Citilink)	A320 (PK-GLV)	Landed 9:27 AM	0 0500-0529
6:00 AM	ID6596	Jakarta (CG Batik Air)	A320 (PK-LUW)	Landed 5:46 AM	0530-0559
6:20 AM	JT311	Banjarmasi Lion Air	B739 (PK-LHW)	Landed 6:02 AM	0600-0629
6:20 AM	QG7261	Jakarta (CG Citilink)	320	Unknown	0545-0559
6:30 AM	JT690	Jakarta (CG Lion Air)	B739 (PK-LJM)	Landed 6:24 AM	0630-0659
6:45 AM	ID7511	Jakarta (HL Batik Air)	B738 (PK-LBS)	Landed 6:19 AM	0615-0629
6:45 AM	SJ268	Jakarta (CG Sriwijaya A)	733	Unknown	0630-0644
6:50 AM	GA368	Makassar (Garuda Ind)	CRJX (PK-GRN)	Landed 6:31 AM	0645-0659
6:50 AM	JT929	Denpasar (Lion Air)	B739 (PK-LJI)	Landed 6:39 AM	
7:01 AM	JT823	Lombok (L Lion Air)	B738 (PK-LPK)	Landed 6:43 AM	0700-0729
7:05 AM	GA302	Jakarta (CG Garuda Ind)	B738 (PK-GMA)	Landed 6:39 AM	
7:05 AM	JT691	Kupang (KC Lion Air)	B739 (PK-LGY)	Landed 7:05 AM	
7:10 AM	IW1800	Semarang (Wings Air)	AT76 (PK-WGQ)	Landed 6:48 AM	
7:10 AM	IW1814	Yogyakarta (Wings Air)	AT75 (PK-WFJ)	Landed 6:54 AM	
7:10 AM	JT801	Makassar (Malindo Ai)	B738 (PK-LPV)	Landed 7:01 AM	
7:15 AM	IN377	Bandung (E NAM Air)	B735 (PK-NAU)	Landed 6:58 AM	0715-0729
7:20 AM	JT367	Balikpapan Lion Air	B739 (PK-LGL)	Landed 7:10 AM	
7:25 AM	IN9377	Bandung (E Nam Air)	735	Unknown	
7:25 AM	JT918	Bandung (E Lion Air)	B738 (PK-LPS)	Landed 7:31 AM	
7:25 AM	QG712	Jakarta (CG Citilink)	A320 (PK-GLN)	Landed 9:35 AM	
7:30 AM	ID6370	Jakarta (CG Batik Air)	A320 (PK-LUS)	Landed 7:34 AM	0730-0759
7:30 AM	JT748	Jakarta (CG Lion Air)	B739 (PK-LGZ)	Landed 7:27 AM	
7:35 AM	GA449	Kupang (KC Garuda Ind)	B738 (PK-GNC)	Landed 7:39 AM	
7:50 AM	JT683	Palangkara Lion Air	B739 (PK-LJH)	Landed 7:44 AM	0745-0759
7:55 AM	GA304	Jakarta (CG Garuda Ind)	B738 (PK-GFS)	Landed 7:41 AM	
8:05 AM	JT103	Jeddah (JEI Lion Air)	A333 (PK-LEH)	Landed 7:59 AM	0800-0829
8:15 AM	JT861	Palu (PLW) Lion Air	B738 (PK-LPT)	Landed 7:51 AM	0815-0829
8:20 AM	GA7303	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Landed 8:04 AM	
8:20 AM	QZ7680	Jakarta (CG AirAsia X)	A320 (PK-AXF)	Landed 8:03 AM	
8:20 AM	XT7680	Jakarta (CG Indonesia)	320	Unknown	
8:30 AM	JT805	Denpasar (Lion Air)	B38M (PK-QLQ)	Landed 8:43 AM	0830-0859
8:35 AM	JT645	Lombok (L Lion Air)	(9C B738 (PK-LKV)	Landed 9:33 AM	
8:45 AM	JT731	Balikpapan Lion Air	B738 (PK-LPR)	Landed 10:34 AM	0845-0859
8:45 AM	JT859	Balikpapan Lion Airline	738	Unknown	
8:55 AM	QG821	Bandung (E Citilink)	A320 (PK-GLO)	Landed 8:34 AM	
9:00 AM	GA306	Jakarta (CG Garuda Ind)	A332 (PK-GPO)	Landed 8:40 AM	0900-0929
9:00 AM	IN243	Sampit Air (Nam Air)	735	Unknown	11 0900-0914
9:00 AM	QG485	Banjarmasi Citilink	A320 (PK-GQL)	Landed 9:38 AM	
9:05 AM	TR264	Singapore (Scoot)	A320 (9V-TRI)	Landed 8:53 AM	
9:10 AM	IW1872	Banjarmasi Wings Air	AT7	Unknown	
9:10 AM	JT315	Banjarmasi Lion Air	B739 (PK-LJL)	Landed 9:48 AM	
9:10 AM	MH871	Kuala Lumpur Malaysia A	B738 (9M-MXN)	Landed 8:51 AM	
9:10 AM	SJ237	Sampit Air (Sriwijaya A)	735	Unknown	
9:15 AM	JT168	Kuala Lumpur Lion Air	B738 (PK-LOQ)	Landed 9:25 AM	0915-0929
9:15 AM	QG714	Jakarta (CG Citilink)	A320 (PK-GQJ)	Landed 9:31 AM	
9:15 AM	SQ930	Singapore (Singapore)	A333 (9V-SSG)	Landed 9:21 AM	
9:35 AM	JT865	Lombok (L Lion Air)	(8C B738 (PK-LKP)	Landed 9:41 AM	0930-0959
9:45 AM	JT361	Balikpapan Lion Air	B738 (PK-LKT)	Landed 9:51 AM	0945-0959
9:45 AM	ID6572	Jakarta (CG Batik Air)	A320 (PK-LUP)	Landed 10:22 AM	
9:45 AM	IW1805	Sampit Air (Wings Air)	AT76 (PK-WHO)	Landed 9:45 AM	
9:50 AM	SJ233	Balikpapan Sriwijaya A	733	Unknown	
9:55 AM	SJ565	Makassar (Sriwijaya A)	B738 (PK-CLA)	Landed 10:50 AM	
10:00 AM	JT791	Makassar (Lion Air)	(Dr B739 (PK-LFF)	Landed 11:12 AM	1000-1029
10:00 AM	QG431	Balikpapan Citilink	A20N (PK-GTE)	Landed 9:58 AM	11 1000-1014
10:00 AM	SJ254	Jakarta (CG Sriwijaya A)	738	Unknown	8

10:00 AM	JT1781	Makassar (Lion Airline	739	Unknown				
10:05 AM	QG695	Denpasar (Citilink	A320 (PK-GLJ)	Landed 11:22 AM				
10:10 AM	GA341	Denpasar (Garuda Ind	B738 (PK-GMR)	Landed 9:57 AM				
10:10 AM	GA364	Semarang (Garuda Ind	CRJX (PK-GRN)	Landed 10:07 AM				
10:10 AM	IW1844	Yogyakarta (Wings Air	AT75 (PK-WFJ)	Unknown				
10:20 AM	IW1838	Semarang (Wings Air	AT76 (PK-WGQ)	Landed 10:17 AM	1015-1029	7	1030-1044	3
10:20 AM	JT3931	Denpasar (Lion Air	B38M (PK-LQM)	Landed 12:34 PM				
10:25 AM	GA308	Jakarta (CG Garuda Ind	B738 (PK-GMM)	Landed 10:14 AM				
10:30 AM	ID6137	Makassar (Batik Air	A320 (PK-LUH)	Landed 11:19 AM	1030-1059	7	1030-1044	3
10:35 AM	QG451	Palangkara (Citilink	A320 (PK-GQF)	Landed 10:01 AM				
10:40 AM	JT692	Jakarta (CG Lion Air	B739 (PK-LGM)	Landed 11:53 AM				
10:50 AM	ID6197	Makassar (Batik Air	A320 (PK-LAM)	Landed 11:36 AM	1045-1059	4		
10:50 AM	JT267	Tarakan (TI Lion Air	B38M (PK-LQO)	Landed 10:24 AM				
10:50 AM	QZ321	Kuala Lumpur (AirAsia X	A320 (PK-AXJ)	Landed 10:48 AM				
10:55 AM	QG601	Kupang (KC Citilink	320	Unknown				
11:00 AM	JT983	Pekanbaru (Lion Air	B738 (PK-LPM)	Landed 11:16 AM	1100-1129	8	1100-1114	4
11:05 AM	ID7513	Jakarta (HL Batik Air	B738 (PK-LBS)	Landed 10:43 AM				
11:05 AM	SJ335	Bandar Lampung (Sriwijaya A	738	Unknown				
11:10 AM	JT970	Batam (BT Lion Air	B739 (PK-LHV)	Landed 2:06 PM				
11:15 AM	GA7307	Jember (JB) (Garuda Ind	AT76 (PK-GAE)	Landed 10:57 AM	1115-1129	4		
11:15 AM	QG417	Pontianak (Citilink	A320 (PK-GQP)	Landed 11:27 AM				
11:20 AM	QG947	Batam (BT Citilink	A20N (PK-GTH)	Landed 11:09 AM				
11:25 AM	IN117	Batu Licin (Nam Air	ATR	Unknown				
11:30 AM	JT588	Jakarta (CG Lion Airline	7M8	Unknown	1130-1159	7	1130-1144	4
11:35 AM	IW1917	Surakarta (Wings Air	AT76 (PK-WGU)	Landed 11:51 AM				
11:35 AM	IW1808	Balikpapan (Wings Air	AT7	Unknown				
11:35 AM	JT365	Balikpapan (Lion Air	B739 (PK-LHW)	Landed 11:02 AM				
11:45 AM	GA310	Jakarta (CG Garuda Ind	B738 (PK-GNS)	Landed 11:33 AM	1145-1159	3		
11:55 AM	SJ266	Jakarta (CG Sriwijaya A	B738 (PK-CLS)	Landed 2:28 PM				
11:55 AM	QG801	Surakarta (Citilink	A320 (PK-GLQ)	Landed 11:44 AM				
12:00 PM	ID6576	Jakarta (CG Batik Air	B739 (PK-LBJ)	Landed 12:22 PM	1200-1229	10	1200-1214	5
12:00 PM	JT807	Makassar (Lion Air	B739 (PK-LJI)	Landed 12:03 PM				
12:10 PM	JT177	Lombok (LC Lion Air	B38M (PK-LQL)	Landed 12:07 PM				
12:10 PM	JT695	Kupang (KC Lion Air	B739 (PK-LJM)	Landed 12:14 PM				
12:10 PM	QZ696	Jakarta (CG AirAsia X	A320 (PK-AXH)	Landed 11:38 AM				
12:15 PM	IW1873	Jember (JB) (Wings Air	AT76 (PK-WHO)	Landed 12:00 PM	1215-1229	5		
12:15 PM	QG437	Balikpapan (Citilink	320	Unknown				
12:15 PM	QG671	Lombok (LC Citilink	320	Unknown				
12:15 PM	QG697	Denpasar (Citilink	A320 (PK-GLR)	Landed 11:56 AM				
12:20 PM	JT227	Banjarmasin (Lion Air (9C	B738 (PK-LKV)	Landed 1:03 PM				
12:30 PM	JT269	Balikpapan (Lion Air	B738 (PK-LOM)	Landed 12:16 PM	1230-1259	11	1230-1244	6
12:35 PM	ID6413	Denpasar (Batik Air	A320 (PK-LAQ)	Landed 1:00 PM				
12:35 PM	IN193	Pangkalpinang (Nam Air	735	Unknown				
12:35 PM	JT857	Palembang (Malindo Ai	B738 (PK-LPV)	Landed 12:20 PM				
12:35 PM	QG306	Makassar (Citilink	A20N (PK-GTA)	Landed 12:49 PM				
12:40 PM	JT923	Denpasar (Lion Air (8C	B738 (PK-LKP)	Landed 12:50 PM				
12:45 PM	GA312	Jakarta (CG Garuda Ind	B738 (PK-GFQ)	Landed 12:27 PM	1245-1259	5		
12:45 PM	JT837	Pontianak (Lion Air	B738 (PK-LPK)	Landed 12:28 PM				
12:50 PM	JT681	Palangkara (Lion Air	B739 (PK-LJJ)	Landed 2:54 PM				
12:50 PM	JT694	Jakarta (CG Lion Air	B738 (PK-LJS)	Landed 1:43 PM				
12:55 PM	QG433	Balikpapan (Citilink	320	Unknown				
1:10 PM	IW1834	Surakarta (Wings Air	AT75 (PK-WFJ)	Landed 2:19 PM	1300-1329	2	1300-1314	1
1:25 PM	QG716	Jakarta (CG Citilink	A320 (PK-GQJ)	Landed 1:50 PM			1315-1329	1
1:30 PM	JT313	Banjarmasin (Lion Air	B38M (PK-LQO)	Landed 2:36 PM	1330-1259	3	1330-1344	1
1:45 PM	SJ571	Makassar (Sriwijaya A	735	Unknown			1345-1359	2
1:55 PM	JT749	Manado (IV Lion Air	B739 (PK-LGZ)	Landed 2:09 PM				
2:00 PM	GA365	Lombok (LC Garuda Ind	CRJX (PK-GRN)	Landed 1:54 PM	1400-1429	12	1400-1414	6
2:00 PM	QG347	Makassar (Citilink	A320 (PK-GLX)	Landed 3:51 PM				

2:00 PM	QG487	Banjarmasi	Citilink	A320 (PK-GLJ)	Landed 2:38 PM			
2:05 PM	JT363	Balikpapan	Lion Air	B738 (PK-LKT)	Landed 2:12 PM			
2:05 PM	IW1881	Blimbingsa	Wings Air	AT76 (PK-WGU)	Landed 2:34 PM			
2:10 PM	IN224	Semarang	(Nam Air	735	Unknown			
2:15 PM	GA7305	Blimbingsa	Garuda Ind	AT76 (PK-GAE)	Landed 2:15 PM	1415-1429		6
2:20 PM	GA347	Denpasar	(Garuda Ind	B738 (PK-GMR)	Landed 1:58 PM			
2:20 PM	ID7042	Jakarta	(HL Batik Air	32A	Unknown			
2:20 PM	ID7501	Jakarta	(HL Batik Air	A320 (PK-LAJ)	Landed 2:43 PM			
2:20 PM	IW1809	Sumenep-M	Wings Air	AT76 (PK-WHO)	Landed 2:00 PM			
2:25 PM	ID6406	Jakarta	(CG Batik Air	A320 (PK-LUR)	Landed 3:45 PM			
2:30 PM	GA314	Jakarta	(CG Garuda Ind	A332 (PK-GPN)	Landed 2:04 PM	1430-1459	8	1430-1444
2:35 PM	JT709	Makassar	(Lion Air	B739 (PK-LPH)	Landed 4:25 PM			
2:35 PM	JT223	Banjarmasi	Lion Air (Dr	B739 (PK-LFF)	Landed 2:58 PM			
2:35 PM	JT1709	Makassar	(Lion Airline	738	Unknown			
2:35 PM	JT1797	Makassar	(Lion Airline	738	Unknown			
2:45 PM	QZ327	Kuala Lumpur	AirAsia X	A320 (PK-AXF)	Landed 2:31 PM	1445-1459		3
2:50 PM	SV3888	Jeddah	(JEI Saudia	B744 (TF-AAL)	Landed 2:47 PM			
2:55 PM	ID6131	Labuan Baj	Batik Air	A320 (PK-LUH)	Landed 3:42 PM			
3:00 PM	SJ563	Makassar	(Sriwijaya A	733	Unknown	1500-1529	6	1500-1514
3:05 PM	GA316	Jakarta	(CG Garuda Ind	B738 (PK-GFF)	Landed 3:03 PM			
3:05 PM	JT582	Jakarta	(CG Lion Air	B739 (PK-LKM)	Landed 5:14 PM			
3:10 PM	QG718	Jakarta	(CG Citilink	A320 (PK-GLN)	Landed 3:36 PM			
3:15 PM	JT917	Bandung	(E Lion Air	B738 (PK-LPM)	Landed 4:03 PM			1515-1529
3:20 PM	SJ567	Makassar	(Sriwijaya A	735	Unknown			2
3:30 PM	JT649	Lombok	(L Lion Air	B738 (PK-LOM)	Landed 4:19 PM	1530-1559	11	1530-1544
3:35 PM	MI224	Singapore	(SilkAir	B738 (9V-MGB)	Landed 3:28 PM			
3:35 PM	ID7515	Jakarta	(HL Batik Air	B738 (PK-LBS)	Landed 3:13 PM			
3:35 PM	QG435	Balikpapan	Citilink	320	Unknown			
3:35 PM	SJ255	Kupang	(KC Sriwijaya A	738	Unknown			
3:45 PM	ID6155	Sorong	(SO Batik Air	A320 (PK-LAR)	Landed 3:25 PM	1545-1559		6
3:45 PM	IW1356	Balikpapan	Wings Air	AT7	Unknown			
3:45 PM	JT261	Balikpapan	Lion Air	B739 (PK-LHW)	Landed 4:06 PM			
3:50 PM	JT598	Jakarta	(CG Lion Airline	739	Unknown			
3:50 PM	JT707	Makassar	(Lion Air	B739 (PK-LGS)	Landed 5:09 PM			
3:55 PM	QZ325	Kuala Lumpur	AirAsia X	A320 (PK-AXI)	Landed 3:38 PM			
4:00 PM	GA630	Makassar	(Sriwijaya CRJX (PK-GRM)		Unknown	1600-1629	9	1600-1614
4:00 PM	JT839	Pontianak	(Lion Air	B738 (PK-LOJ)	Landed 3:57 PM			
4:05 PM	QG699	Denpasar	(Citilink	A320 (PK-GQG)	Landed 4:30 PM			
4:10 PM	IL711	Pangkalan	Trigana Air	734	Unknown			
4:10 PM	IW1846	Yogyakarta	Wings Air	AT75 (PK-WFJ)	Landed 8:11 PM			
4:10 PM	JT377	Samarinda	Lion Airline	739	Unknown			
4:10 PM	JT693	Kupang	(KC Lion Air	B739 (PK-LHP)	Landed 4:06 PM			
4:10 PM	JT863	Palangkara	Lion Airline	738	Unknown			
4:20 PM	JT164	Kuala Lumpur	Lion Airline	738	Unknown			1615-1629
4:40 PM	QG835	Majalengka	Citilink	320	Unknown	1630-1659	7	1630-1644
4:45 PM	IN376	Denpasar	(Nam Air	735	Unknown			1645-1659
4:45 PM	QG693	Denpasar	(Citilink	A320 (PK-GQF)	Landed 3:05 PM			
4:45 PM	QG949	Batam	(BT Citilink	320	Unknown			
4:50 PM	GA372	Bandung	(E Garuda Ind	B738 (PK-GNM)	Landed 5:02 PM			
4:50 PM	ID6578	Jakarta	(CG Batik Air	A320 (PK-LUS)	Landed 4:48 PM			
4:50 PM	IN277	Denpasar	(Nam Air	735	Unknown			
5:00 PM	GA318	Jakarta	(CG Garuda Ind	A332 (PK-GPO)	Landed 4:45 PM	1700-1729	12	1700-1714
5:00 PM	JT265	Balikpapan	Lion Air	B739 (PK-LGO)	Landed 8:35 PM			
5:05 PM	JT972	Batam	(BT Lion Air	B739 (PK-LGL)	Landed 6:03 PM			
5:10 PM	IN9277	Denpasar	(Nam Air	735	Unknown			
5:10 PM	SJ259	Jayapura	(Sriwijaya A	733	Unknown			
5:15 PM	ID7517	Jakarta	(HL Batik Air	32A	Unknown			1715-1729
5:15 PM	IW1812	Yogyakarta	Wings Air	AT76 (PK-WJJ)	Landed 8:14 PM			7

5:15 PM	QG931	Pekanbaru	Citilink	320	Unknown				
5:20 PM	GA367	Semarang	(Garuda Ind	CRJX (PK-GRN)	Landed 4:56 PM				
5:20 PM	QG170	Jakarta	(HL Citilink	A20N (PK-GTA)	Landed 5:05 PM				
5:25 PM	GA448	Jakarta	(CG Garuda Ind	B738 (PK-GFU)	Landed 5:12 PM				
5:25 PM	JT950	Bandung	(E Lion Air	B738 (PK-LPR)	Landed 7:49 PM				
5:30 PM	JT965	Lombok	(L Lion Air	B739 (PK-LJL)	Landed 7:11 PM	1730-1759	8	1730-1744	6
5:30 PM	QG720	Jakarta	(CG Citilink	A320 (PK-GQU)	Landed 6:06 PM				
5:30 PM	SJ239	Sampit	Air(Sriwijaya A	735	Unknown				
5:40 PM	CX781	Hong Kong	Cathay Pac	A333 (B-HLU)	Landed 5:27 PM				
5:40 PM	IN245	Sampit	Air(NAM Air	B735 (PK-NAP)	Landed 5:45 PM				
5:40 PM	JT596	Jakarta	(CG Lion Air	B738 (PK-LOG)	Landed 6:48 PM				
5:50 PM	GA320	Jakarta	(CG Garuda Ind	B738 (PK-GMC)	Landed 5:19 PM	1745-1759	2		
5:50 PM	MI226	Singapore	(SilkAir	B738 (9V-MGI)	Landed 6:20 PM				
6:00 PM	GA7309	Yogyakarta	Garuda Ind	AT76 (PK-GAE)	Landed 5:55 PM	1800-1829	10	1800-1814	6
6:00 PM	JT855	Makassar	(L Lion Airline	739	Unknown				
6:05 PM	JT787	Makassar	(L Lion Air	B739 (PK-LHM)	Landed 7:34 PM				
6:05 PM	JT1777	Makassar	(L Lion Airline	738	Unknown				
6:05 PM	QZ387	Penang	(PE AirAsia X	A320 (PK-AXJ)	Landed 5:42 PM				
6:10 PM	JT225	Banjarmasi	Lion Air	B738 (PK-LPK)	Landed 7:05 PM				
6:20 PM	IW1891	Pangkalan	(Wings Air	AT76 (PK-WHO)	Landed 6:09 PM	1815-1829	4		
6:20 PM	JT696	Jakarta	(CG Lion Air	B739 (PK-LHT)	Landed 6:45 PM				
6:20 PM	QG673	Lombok	(L Citilink	A320 (PK-GLN)	Landed 8:38 PM				
6:20 PM	SJ253	Balikpapan	(Sriwijaya A	735	Unknown				
6:30 PM	JT697	Kupang	(KC Lion Airline	738	Unknown	1830-1859	8	1830-1844	3
6:30 PM	QG439	Balikpapan	Citilink	320	Unknown				
6:40 PM	QG722	Jakarta	(CG Citilink	320	Unknown				
6:45 PM	QZ323	Kuala Lumpur	AirAsia X	A320 (PK-AXH)	Landed 6:41 PM	1845-1859	5		
6:50 PM	GA322	Jakarta	(CG Garuda Ind	B738 (PK-GFY)	Landed 7:02 PM				
6:50 PM	ID6175	Ambon	(AN Batik Air	A320 (PK-LUW)	Landed 7:08 PM				
6:50 PM	ID6582	Jakarta	(CG Batik Air	A320 (PK-LUL)	Landed 6:59 PM				
6:50 PM	QG172	Jakarta	(HL Citilink	320	Unknown				
7:00 PM	QG174	Jakarta	(HL Citilink	A320 (PK-GLT)	Landed 6:28 PM	1900-1929	9	1900-1914-	6
7:00 PM	JT319	Banjarmasi	Lion Airline	739	Unknown				
7:10 PM	JT592	Jakarta	(CG Lion Airline	739	Unknown				
7:10 PM	JT737	Manado	(N Lion Air	B739 (PK-LKO)	Landed 10:24 PM				
7:10 PM	QG419	Pontianak	(Citilink	A20N (PK-GTI)	Landed 6:34 PM				
7:10 PM	QG441	Balikpapan	Citilink	A320 (PK-GLZ)	Landed 6:36 PM				
7:15 PM	ID7509	Jakarta	(HL Batik Air	32A	Unknown	1915-1929	9	1900-1914-	3
7:20 PM	IW1817	Yogyakarta	Wings Air	AT76 (PK-WHO)	Landed 9:16 PM				
7:20 PM	QG825	Bandung	(E Citilink	A320 (PK-GQL)	Landed 7:14 PM				
7:45 PM	SJ234	Yogyakarta	(Sriwijaya A	B738 (PK-CMW)	Landed 8:18 PM	1930-1959	3	1930-1944	0
7:45 PM	QG489	Banjarmasi	Citilink	320	Unknown			1945-1959-	3
7:50 PM	GA324	Jakarta	(CG Garuda Ind	B738 (PK-GFL)	Landed 7:26 PM				
8:00 PM	JT919	Denpasar	(L Lion Air	(8C B738 (PK-LKP)	Landed 8:03 PM	2000-2029	10	2000-2014	6
8:00 PM	QG176	Jakarta	(HL Citilink	A320 (PK-GQM)	Landed 10:17 PM				
8:00 PM	SJ256	Jakarta	(CG Sriwijaya A	B738 (PK-CMU)	Landed 8:23 PM				
8:05 PM	GA330	Jakarta	(CG Garuda Ind	738	Canceled				
8:05 PM	ID7519	Jakarta	(HL Batik Air	738	Unknown				
8:10 PM	3K249	Singapore	(Jetstar Airv	A320 (9V-JSP)	Landed 8:27 PM				
8:20 PM	GA349	Denpasar	(L Garuda Ind	CRJX (PK-GRM)	Unknown	2015-2029	4		
8:20 PM	ID6308	Jakarta	(CG Batik Air	32A	Unknown				
8:20 PM	QG724	Jakarta	(CG Citilink	320	Unknown				
8:25 PM	IW1896	Semarang	(Wings Air	AT76 (PK-WGU)	Landed 9:13 PM				
8:30 PM	SJ258	Jakarta	(CG Sriwijaya A	733	Unknown	2030-2059	6	2030-2044	4
8:30 PM	JT948	Batam	(BT Lion Airline	739	Unknown				
8:40 PM	IN226	Semarang	(NAM Air	B735 (PK-NAP)	Landed 9:07 PM				
8:40 PM	JT727	Kendari	(KL Lion Air	B739 (PK-LHW)	Landed 9:10 PM				
8:45 PM	QG349	Makassar	(L Citilink	A320 (PK-GLR)	Landed 9:17 PM	2045-2059	2		

8:55 PM	GA855	Singapore (Garuda Ind B738 (PK-GNV)	Landed 8:50 PM			
9:00 PM	ID8580	Jakarta (CG Garuda Ind CRJX (PK-GRC)	Landed 8:58 PM	2100-2129	11 2100-2114	6
9:00 PM	QG987	Palembang Citilink A320 (PK-GLA)	Landed 8:32 PM			
9:05 PM	QG726	Jakarta (CG Citilink A20N (PK-GTH)	Landed 8:43 PM			
9:10 PM	GA326	Jakarta (CG Garuda Ind B738 (PK-GFR)	Landed 8:56 PM			
9:10 PM	SJ226	Surabaya (Sriwijaya A 735	Unknown			
9:10 PM	JT975	Lombok (L Lion Airline 738	Unknown			
9:15 PM	ID7521	Jakarta (HL Batik Air A320 (PK-LAK)	Landed 9:29 PM	2115-2129	5	
9:15 PM	ID7058	Jakarta (HL Batik Air 32A	Unknown			
9:15 PM	ID7082	Jakarta (HL Batik Air 32A	Unknown			
9:20 PM	QZ8298	Kuala Lumpur (AirAsia X A320 (PK-AXF)	Landed 8:52 PM			
9:25 PM	JT369	Balikpapan (Lion Air B738 (PK-LKT)	Landed 9:26 PM			
9:30 PM	QG807	Surabaya (Citilink 320	Unknown	2130-2159	4 2130-2144	2
9:35 PM	QG178	Jakarta (HL Citilink A320 (PK-GQU)	Landed 10:08 PM			
9:45 PM	GA328	Jakarta (CG Garuda Ind B738 (PK-GMP)	Landed 9:38 PM		2145-2159	2
9:55 PM	CI751	Singapore (China Airlines A333 (B-18359)	Landed 9:43 PM			
10:10 PM	QZ7625	Denpasar (AirAsia X A320 (PK-AXH)	Landed 9:41 PM	2200-2229	7 2200-2214	2
10:10 PM	QZ7692	Jakarta (CG AirAsia X A320 (PK-AXI)	Landed 9:57 PM			
10:15 PM	IW1842	Yogyakarta (Wings Air AT7	Unknown		2215-2229	5
10:15 PM	JT590	Jakarta (CG Lion Airline 739	Unknown			
10:20 PM	QZ331	Kuala Lumpur (AirAsia X A320 (PK-AXI)	Landed 9:48 PM			
10:25 PM	JT148	Bandar Lampung (Lion Air B739 (PK-LPH)	Landed 9:55 PM			
10:25 PM	SJ265	Denpasar (Sriwijaya A 735	Unknown			
10:30 PM	JT978	Medan (Lion Air B739 (PK-LJK)	Landed 10:13 PM	2230-2259	2 2230-2244	1
10:35 PM	BI795	Brunei (BW Royal Brunei A320 (V8-RBW)	Landed 10:11 PM		2245-2259	1

Tuesday, Nov 13				250		
5:40 AM	QG710	Jakarta (CG Citilink A320 (PK-GQF)	Landed 5:27 AM	0500-0529	0 0500-0514	0
6:00 AM	ID6596	Jakarta (CG Batik Air A320 (PK-LUV)	Landed 5:44 AM	0530-0559	1 0515-0529	0
6:05 AM	JT2662	Sanya (SYX Lion Airline 739	Unknown	0600-0629	4 0530-0544	1
6:20 AM	JT311	Banjarmasin (Lion Air (SC B739 (PK-LHY)	Landed 6:32 AM		0545-0559	0
6:20 AM	QG7261	Jakarta (CG Citilink 320	Unknown		0600-0614	2
6:30 AM	JT690	Jakarta (CG Lion Air B739 (PK-LFS)	Landed 6:16 AM	0630-0659	6 0615-0629	2
6:35 AM	JT2660	Haikou (HA Lion Airline 739	Unknown		0630-0644	2
6:45 AM	ID7511	Jakarta (HL Batik Air B738 (PK-LBS)	Landed 6:20 AM			
6:45 AM	SJ268	Jakarta (CG Sriwijaya A 733	Unknown		0645-0659	3
6:50 AM	GA368	Makassar (Garuda Ind CRJX (PK-GRI)	Unknown			
6:50 AM	JT929	Denpasar (flynas B739 (PK-LPI)	Landed 6:42 AM			
7:01 AM	JT823	Lombok (L Lion Air B738 (PK-LPM)	Landed 7:18 AM	0700-0729	13 0700-0714	8
7:05 AM	GA302	Jakarta (CG Garuda Ind B738 (PK-GMQ)	Landed 6:47 AM			
7:05 AM	JT691	Kupang (KC Lion Air B739 (PK-LHT)	Landed 7:29 AM			
7:05 AM	QZ7688	Jakarta (CG AirAsia A320 (PK-AZH)	Landed 6:39 AM			
7:10 AM	XT7688	Jakarta (CG Indonesia / 320	Unknown			
7:10 AM	IW1800	Surabaya (Wings Air AT75 (PK-WFJ)	Landed 6:51 AM			
7:10 AM	IW1814	Yogyakarta (Wings Air AT76 (PK-WJJ)	Landed 6:54 AM			
7:10 AM	JT801	Makassar (Lion Air B738 (PK-LPR)	Landed 6:58 AM			
7:15 AM	IN377	Bandung (ENam Air 735	Unknown		0715-0729	5
7:20 AM	JT367	Bali (Lion Air B739 (PK-LGK)	Landed 7:21 AM			
7:25 AM	IN9377	Bandung (ENam Air 735	Unknown			
7:25 AM	JT918	Bandung (ENam Air B738 (PK-LPS)	Landed 7:39 AM			
7:25 AM	QG712	Jakarta (CG Citilink A320 (PK-GLI)	Landed 7:49 AM			
7:30 AM	ID6370	Jakarta (CG Batik Air A320 (PK-LAJ)	Landed 7:42 AM	0730-0759	5 0730-0744-	3
7:30 AM	JT748	Jakarta (CG Lion Air B739 (PK-LGT)	Landed 8:51 AM			
7:35 AM	GA449	Kupang (KC Garuda Ind B738 (PK-GFU)	Landed 7:46 AM			
7:50 AM	JT683	Palangkaraya (Lion Air B739 (PK-LGL)	Landed 7:56 AM		0745-0759	2
7:55 AM	GA304	Jakarta (CG Garuda Ind B738 (PK-GNS)	Landed 7:55 AM			
8:15 AM	JT861	Palu (PLW) (Lion Air (9C B738 (PK-LKV)	Landed 8:04 AM	0800-0829	2 0800-0814	0
8:20 AM	GA7303	Blimbing (Garuda Ind AT76 (PK-GAE)	Landed 8:16 AM		0815-0829	1

8:30 AM	JT805	Denpasar (I Lion Air B739 (PK-LJL)	Landed 8:09 AM	0830-0859	6 0830-0844	3
8:30 AM	SJ555	Ternate (T Sriwijaya A B738 (PK-CLA)	Landed 9:41 AM			
8:35 AM	JT645	Lombok (L Lion Air (8C B738 (PK-LKP)	Landed 8:29 AM			
8:45 AM	JT731	Balikpapan Lion Air B738 (PK-LPK)	Landed 9:38 AM			
8:45 AM	JT859	Balikpapan Lion Airline 738	Unknown		0845-0859	3
8:55 AM	QG821	Bandung (E Citilink A320 (PK-GQL)	Landed 12:24 PM			
9:00 AM	GA306	Jakarta (CG Garuda Ind A332 (PK-GPM)	Landed 8:42 AM	0900-0929	11 0900-0914	8
9:00 AM	IN243	Sampit Air NAM Air B735 (PK-NAP)	Landed 9:26 AM			
9:00 AM	QG485	Banjarmasi Citilink A20N (PK-GTA)	Landed 8:58 AM			
9:05 AM	TR264	Singapore (Scoot) A320 (9V-TAO)	Landed 9:31 AM			
9:10 AM	MH871	Kuala Lumpur Malaysia A B738 (9M-MLG)	Landed 8:43 AM			
9:10 AM	IW1872	Banjarmasi Wings Air AT7	Unknown			
9:10 AM	JT315	Banjarmasi Lion Air B739 (PK-LPH)	Landed 9:49 AM			
9:10 AM	SJ237	Sampit Air Sriwijaya A 735	Unknown			
9:15 AM	JT168	Kuala Lumpur Lion Air B738 (PK-LOQ)	Landed 8:56 AM		0915-0929	3
9:15 AM	QG714	Jakarta (CG Citilink A320 (PK-GQM)	Landed 9:34 AM			
9:15 AM	SQ930	Singapore (Singapore) A333 (9V-STZ)	Landed 9:44 AM			
9:35 AM	JT865	Lombok (L Lion Air B739 (PK-LHM)	Landed 9:53 AM	0930-0959	6 0930-0944	1
9:45 AM	ID6572	Jakarta (CG Batik Air A320 (PK-LAK)	Landed 10:15 AM		0945-0959	5
9:45 AM	IW1805	Sampit Air Wings Air AT76 (PK-WHO)	Landed 10:22 AM			
9:45 AM	JT361	Balikpapan Lion Air B739 (PK-LGY)	Landed 10:46 AM			
9:50 AM	SJ233	Balikpapan Sriwijaya A 733	Unknown			
9:55 AM	SJ565	Makassar (I Sriwijaya A 735	Unknown			
10:00 AM	JT791	Makassar (I Lion Air B739 (PK-LFT)	Landed 11:18 AM	1000-1029	11 1000-1014	8
10:00 AM	QG431	Balikpapan Citilink A320 (PK-GLN)	Landed 9:55 AM			
10:00 AM	SJ254	Jakarta (CG Sriwijaya A 738	Unknown			
10:00 AM	JT1781	Makassar (I Lion Airline 739	Unknown			
10:05 AM	QG695	Denpasar (I Citilink A320 (PK-GLI)	Landed 10:53 AM			
10:10 AM	GA341	Denpasar (I Garuda Ind B738 (PK-GNM)	Landed 9:47 AM			
10:10 AM	GA364	Semarang (Garuda Ind CRJX (PK-GRI)	Unknown			
10:10 AM	IW1844	Yogyakarta Wings Air AT76 (PK-WJJ)	Landed 10:12 AM			
10:20 AM	IW1838	Semarang (Wings Air) AT75 (PK-WFJ)	Landed 10:03 AM		1015-1029	3
10:20 AM	JT3931	Denpasar (I Lion Airline 7M8	Unknown			
10:25 AM	GA308	Jakarta (CG Garuda Ind B738 (PK-GMJ)	Landed 10:19 AM			
10:30 AM	ID6137	Makassar (I Batik Air 32A	Unknown	1030-1059	6 1030-1044	3
10:35 AM	QG451	Palangkara Citilink A320 (PK-GLJ)	Landed 9:58 AM			
10:40 AM	JT692	Jakarta (CG Lion Air B739 (PK-LGW)	Landed 11:01 AM			
10:50 AM	ID6197	Makassar (I Batik Air A320 (PK-LUO)	Landed 11:04 AM		1045-1059	4
10:50 AM	JT267	Tarakan (T Lion Air B738 (PK-LJR)	Landed 10:26 AM			
10:50 AM	QZ321	Kuala Lumpur AirAsia X A320 (PK-AXH)	Landed 10:29 AM			
10:55 AM	QG601	Kupang (KC Citilink A320 (PK-GQF)	Landed 11:15 AM			
11:00 AM	JT983	Pekanbaru Lion Air B738 (PK-LKW)	Delayed 1:12 PM	1100-1129	7 1100-1114	4
11:05 AM	ID7513	Jakarta (HL Batik Air B738 (PK-LBS)	Landed 11:27 AM			
11:05 AM	SJ335	Bandar Lampung Sriwijaya A 738	Unknown			
11:10 AM	JT970	Batam (BT Lion Air B739 (PK-LHO)	Landed 11:10 AM			
11:15 AM	GA7307	Jember (JB Garuda Ind AT76 (PK-GAE)	Unknown		1115-1129	3
11:15 AM	QG417	Pontianak Citilink (Kaj A320 (PK-GLC)	Landed 12:21 PM			
11:20 AM	QG947	Batam (BT Citilink A20N (PK-GTH)	Landed 11:24 AM			
11:30 AM	JT588	Jakarta (CG Lion Airline 739	Unknown	1130-1159	8 1130-1144	5
11:35 AM	IW1808	Balikpapan Wings Air AT7	Unknown			
11:35 AM	JT365	Balikpapan Lion Air (5C B739 (PK-LHY)	Landed 11:21 AM			
11:40 AM	IN115	Kotabaru (I Nam Air AT7	Unknown			
11:40 AM	IW1909	Labuan Bajo Wings Air AT76 (PK-WGU)	Landed 11:35 AM			
11:45 AM	GA310	Jakarta (CG Garuda Ind B738 (PK-GFL)	Landed 11:30 AM			
11:55 AM	QG801	Semarang (Citilink) A20N (PK-GTA)	Landed 12:04 PM		1145-1159	3
11:55 AM	SJ266	Jakarta (CG Sriwijaya A B738 (PK-CMR)	Delayed 1:09 PM			
12:00 PM	ID6576	Jakarta (CG Batik Air B739 (PK-LBJ)	Landed 12:00 PM	1200-1229	10 1200-1214	5
12:00 PM	JT807	Makassar (I flynas B739 (PK-LPI)	Landed 11:56 AM			

12:05 PM	QZ393	Johor Bahru	AirAsia X	A320 (PK-AXJ)	Landed 11:51 AM			
12:10 PM	JT177	Lombok (L)	Lion Air	B739 (PK-LJL)	Landed 12:28 PM			
12:10 PM	JT695	Kupang (KC)	Lion Air	B739 (PK-LFS)	Landed 12:14 PM			
12:15 PM	IW1873	Jember (JB)	Wings Air	AT76 (PK-WHO)	Landed 12:40 PM	1215-1229		5
12:15 PM	QG437	Balikpapan	Citilink	320	Unknown			
12:15 PM	QG671	Lombok (L)	Citilink	320	Unknown			
12:15 PM	QG697	Denpasar (L)	Citilink	A320 (PK-GQA)	Landed 12:08 PM			
12:20 PM	JT227	Banjarmasi	Lion Air (8C)	B738 (PK-LKP)	Landed 12:12 PM			
12:30 PM	JT269	Balikpapan	Lion Airline	738	Scheduled	1230-1259	12 1230-1244	7
12:35 PM	JT117	Jeddah (JE)	Lion Air	A333 (PK-LEH)	Landed 12:17 PM			
12:35 PM	ID6413	Denpasar (L)	Batik Air	A320 (PK-LAQ)	Landed 12:37 PM			
12:35 PM	IN193	Surabaya (S)	NAM Air	B735 (PK-NAL)	Landed 12:33 PM			
12:35 PM	JT857	Palembang	Lion Air	B738 (PK-LPR)	Landed 12:31 PM			
12:35 PM	QG306	Makassar (L)	Citilink	A320 (PK-GQD)	Landed 12:54 PM			
12:40 PM	JT923	Denpasar (L)	Lion Air	B739 (PK-LHM)	Delayed 1:17 PM			
12:45 PM	GA312	Jakarta (CG)	Garuda Ind	B738 (PK-GFF)	Landed 12:50 PM	1245-1259		5
12:45 PM	JT837	Pontianak	Lion Air	B738 (PK-LPM)	Landed 12:51 PM			
12:50 PM	JT681	Palangkara	Lion Air	B739 (PK-LPH)	Delayed 1:39 PM			
12:50 PM	JT694	Jakarta (CG)	Lion Air	B739 (PK-LHK)	Landed 12:44 PM			
12:55 PM	QG433	Balikpapan	Citilink	320	Scheduled			
1:10 PM	IW1834	Surabaya (S)	Wings Air	AT76 (PK-WGT)	Scheduled	1300-1329	3 1300-1314	1
1:25 PM	QG716	Jakarta (CG)	Citilink	A320 (PK-GQM)	Delayed 1:46 PM		1315-1329	2
1:25 PM	3K247	Singapore (S)	Jetstar Airv	A320 (9V-JSV)	Estimated 1:14 PM			
1:30 PM	JT313	Banjarmasi	Lion Airline	739	Scheduled	1330-1259	3 1330-1344	1
1:45 PM	SJ571	Makassar (L)	Sriwijaya A	735	Scheduled		1345-1359	2
1:55 PM	JT749	Manado (M)	Lion Airline	739	Scheduled			
2:00 PM	GA985	Banda Aceh	Garuda Ind	A333 (PK-GPG)	Estimated 1:23 PM	1400-1429	12 1400-1414	7
2:00 PM	GA365	Lombok (L)	Garuda Ind	CRK	Scheduled			
2:00 PM	QG347	Makassar (L)	Citilink	A20N (PK-GTE)	Estimated 1:57 PM			
2:00 PM	QG487	Banjarmasi	Citilink	320	Scheduled			
2:05 PM	IW1881	Blimbingsa	Wings Air	AT4	Scheduled			
2:05 PM	JT363	Balikpapan	Lion Airline	739	Scheduled			
2:10 PM	IN224	Surabaya (S)	Nam Air	735	Scheduled			
2:20 PM	GA347	Denpasar (L)	Garuda Ind	B738 (PK-GNM)	Scheduled	1415-1429		5
2:20 PM	ID7042	Jakarta (HL)	Batik Air	32A	Scheduled			
2:20 PM	ID7501	Jakarta (HL)	Batik Air	A320 (PK-LUR)	Estimated 2:05 PM			
2:20 PM	IW1809	Sumenep	-	Wings Air	AT7	Scheduled		
2:25 PM	ID6406	Jakarta (CG)	Batik Air	32A	Scheduled			
2:35 PM	JT223	Banjarmasi	Lion Airline	738	Scheduled	1430-1459	8 1430-1444	5
2:35 PM	JT709	Makassar (L)	Lion Airline	738	Scheduled			
2:35 PM	JT1709	Makassar (L)	Lion Airline	738	Scheduled			
2:35 PM	JT1797	Makassar (L)	Lion Airline	738	Scheduled			
2:40 PM	GA314	Jakarta (CG)	Garuda Ind	332	Scheduled			
2:45 PM	QZ327	Kuala Lumpur	AirAsia X	A320 (PK-AXI)	Estimated 2:46 PM		1445-1459	3
2:50 PM	MH873	Kuala Lumpur	Malaysia A	B738 (9M-MXX)	Estimated 2:44 PM			
2:50 PM	SJ544	Sorong (SO)	Sriwijaya A	738	Scheduled			
3:00 PM	SJ563	Makassar (L)	Sriwijaya A	733	Scheduled	1500-1529	5 1500-1514	4
3:05 PM	GA316	Jakarta (CG)	Garuda Ind	738	Scheduled			
3:05 PM	JT582	Jakarta (CG)	Lion Airline	739	Scheduled			
3:10 PM	QG718	Jakarta (CG)	Citilink	320	Scheduled			
3:15 PM	JT917	Bandung (E)	Lion Airline	738	Scheduled		1515-1529	1
3:30 PM	JT649	Lombok (L)	Lion Airline	739	Scheduled	1530-1559	9 1530-1544	4
3:35 PM	ID7515	Jakarta (HL)	Batik Air	738	Scheduled			
3:35 PM	QG435	Balikpapan	Citilink	320	Scheduled			
3:35 PM	SJ255	Kupang (KC)	Sriwijaya A	738	Scheduled			
3:45 PM	ID6155	Sorong (SO)	Batik Air	32A	Scheduled		1545-1559	5
3:45 PM	IW1356	Balikpapan	Wings Air	739	Scheduled			
3:45 PM	JT261	Balikpapan	Lion Airline	739	Scheduled			

3:50 PM	JT598	Jakarta (CG Lion Airline)	739	Scheduled				
3:50 PM	JT707	Makassar (Lion Airline)	739	Scheduled				
4:00 PM	GA630	Makassar (Garuda Ind	CRK	Scheduled	1600-1629	9	1600-1614	8
4:00 PM	JT839	Pontianak (Lion Airline)	738	Scheduled				
4:05 PM	QG699	Denpasar (Citilink	320	Scheduled				
4:10 PM	IL711	Pangkalan (Trigana Air	734	Scheduled				
4:10 PM	IW1846	Yogyakarta (Wings Air	AT4	Scheduled				
4:10 PM	JT377	Samarinda (Lion Airline)	739	Scheduled				
4:10 PM	JT693	Kupang (KC Lion Airline	739	Scheduled				
4:10 PM	JT863	Palangkara (Lion Airline	738	Scheduled				
4:20 PM	JT164	Kuala Lumpur (Lion Airline	738	Scheduled	1615-1629	1		
4:40 PM	QG835	Majalengka (Citilink	320	Scheduled	1630-1659	7	1630-1644	1
4:45 PM	IN376	Denpasar (Nam Air	735	Scheduled			1645-1659	6
4:45 PM	QG693	Denpasar (Citilink	A320 (PK-GLJ)	Scheduled				
4:45 PM	QG949	Batam (BT Citilink	320	Scheduled				
4:50 PM	GA372	Bandung (E Garuda Ind	738	Scheduled				
4:50 PM	ID6578	Jakarta (CG Batik Air	32A	Scheduled				
4:50 PM	IN277	Denpasar (Nam Air	735	Scheduled				
5:00 PM	GA318	Jakarta (CG Garuda Ind	332	Scheduled	1700-1729	12	1700-1714	5
5:00 PM	JT265	Balikpapan (Lion Airline	739	Scheduled				
5:05 PM	JT972	Batam (BT Lion Airline	739	Scheduled				
5:10 PM	IN9277	Denpasar (Nam Air	735	Scheduled				
5:10 PM	SJ259	Jayapura (Sriwijaya A	733	Scheduled				
5:15 PM	ID7517	Jakarta (HL Batik Air	32A	Scheduled	1715-1729	7		
5:15 PM	IW1812	Yogyakarta (Wings Air	AT7	Scheduled				
5:15 PM	QG931	Pekanbaru (Citilink	320	Scheduled				
5:20 PM	GA367	Semarang (Garuda Ind	CRK	Scheduled				
5:20 PM	QG170	Jakarta (HL Citilink	320	Scheduled				
5:25 PM	GA448	Jakarta (CG Garuda Ind	738	Scheduled				
5:25 PM	JT950	Bandung (E Lion Airline	738	Scheduled				
5:30 PM	JT965	Lombok (LC Lion Airline	739	Scheduled	1730-1759	8	1730-1744	6
5:30 PM	QG720	Jakarta (CG Citilink	320	Scheduled				
5:30 PM	SJ239	Sampit Air (Sriwijaya A	735	Scheduled				
5:40 PM	CX781	Hong Kong (Cathay Pac	333	Scheduled				
5:40 PM	IN245	Sampit Air (Nam Air	735	Scheduled				
5:40 PM	JT596	Jakarta (CG Lion Airline	738	Scheduled				
5:50 PM	GA320	Jakarta (CG Garuda Ind	738	Scheduled	1745-1759	2		
5:50 PM	MI226	Singapore (SilkAir	320	Scheduled				
6:00 PM	GA7309	Yogyakarta (Garuda Ind	AT7	Scheduled	1800-1829	11	1800-1814	7
6:00 PM	JT855	Makassar (Lion Airline	739	Scheduled				
6:05 PM	JT787	Makassar (Lion Airline	739	Scheduled				
6:05 PM	JT1777	Makassar (Lion Airline	738	Scheduled				
6:05 PM	QZ387	Penang (PE AirAsia X	A320 (PK-AXF)	Scheduled				
6:10 PM	JT225	Banjarmasi (Lion Airline	738	Scheduled				
6:10 PM	SJ567	Makassar (Sriwijaya A	735	Scheduled				
6:20 PM	IW1891	Pangkalan (Wings Air	AT7	Scheduled	1815-1829	4		
6:20 PM	JT696	Jakarta (CG Lion Airline	739	Scheduled				
6:20 PM	QG673	Lombok (LC Citilink	320	Scheduled				
6:20 PM	SJ253	Balikpapan (Sriwijaya A	735	Scheduled				
6:30 PM	JT697	Kupang (KC Lion Airline	738	Scheduled	1830-1859	8	1830-1844	3
6:30 PM	QG439	Balikpapan (Citilink	320	Scheduled				
6:40 PM	QG722	Jakarta (CG Citilink	320	Scheduled				
6:45 PM	QZ323	Kuala Lumpur (AirAsia X	A320 (PK-AXH)	Scheduled	1845-1859	5		
6:50 PM	GA322	Jakarta (CG Garuda Ind	738	Scheduled				
6:50 PM	ID6175	Ambon (AN Batik Air	32A	Scheduled				
6:50 PM	ID6582	Jakarta (CG Batik Air	32A	Scheduled				
6:50 PM	QG172	Jakarta (HL Citilink	320	Scheduled				
7:00 PM	QG174	Jakarta (HL Citilink	320	Scheduled	1900-1929	5	1900-1914-	2

7:00 PM	JT319	Banjarmasi	Lion Airline	739	Scheduled				
7:15 PM	ID7509	Jakarta	(HL Batik Air	32A	Scheduled		1915-1929		3
7:20 PM	IW1817	Yogyakarta	Wings Air	AT4	Scheduled				
7:20 PM	QG825	Bandung	(E Citilink	320	Scheduled				
7:35 PM	QG489	Banjarmasi	Citilink	320	Scheduled	1930-1959	2 1930-1944		1
7:50 PM	GA324	Jakarta	(CG Garuda Ind	738	Scheduled		1945-1959-		1
8:00 PM	JT919	Denpasar	(Lion Airline	739	Scheduled	2000-2029	9 2000-2014		5
8:00 PM	QG176	Jakarta	(HL Citilink	320	Scheduled				
8:00 PM	SJ256	Jakarta	(CG Sriwijaya A	738	Scheduled				
8:05 PM	GA330	Jakarta	(CG Garuda Ind	738	Canceled				
8:05 PM	ID7519	Jakarta	(HL Batik Air	738	Scheduled				
8:20 PM	GA349	Denpasar	(Garuda Ind CRK		Scheduled		2015-2029		4
8:20 PM	ID6308	Jakarta	(CG Batik Air	32A	Scheduled				
8:20 PM	QG724	Jakarta	(CG Citilink	320	Scheduled				
8:25 PM	IW1896	Semarang	(Wings Air	AT4	Scheduled				
8:30 PM	SJ258	Jakarta	(CG Sriwijaya A	733	Scheduled	2030-2059	6 2030-2044		5
8:30 PM	JT948	Batam	(BT Lion Airline	739	Scheduled				
8:40 PM	IN226	Semarang	(Nam Air	735	Scheduled				
8:40 PM	JT727	Kendari	(KL Lion Airline	739	Scheduled				
8:40 PM	QG349	Makassar	(Citilink	320	Scheduled				
8:55 PM	GA855	Singapore	(Garuda Ind	738	Scheduled		2045-2059		1
9:00 PM	ID8580	Jakarta	(CG Batik Air	32A	Scheduled	2100-2129	12 2100-2114		7
9:00 PM	QG987	Palembang	Citilink	320	Scheduled				
9:05 PM	BI795	Brunei	(BW Royal Brun	320	Scheduled				
9:05 PM	QG726	Jakarta	(CG Citilink	320	Scheduled				
9:10 PM	GA326	Jakarta	(CG Garuda Ind	738	Scheduled				
9:10 PM	SJ226	Semarang	(Sriwijaya A	735	Scheduled				
9:10 PM	JT975	Lombok	(L Lion Airline	738	Scheduled				
9:15 PM	ID7058	Jakarta	(HL Batik Air	32A	Scheduled		2115-2129		5
9:15 PM	ID7082	Jakarta	(HL Batik Air	32A	Scheduled				
9:15 PM	ID7521	Jakarta	(HL Batik Air	32A	Scheduled				
9:20 PM	QZ8298	Kuala Lum	g AirAsia X	A320 (PK-AXJ)	Scheduled				
9:25 PM	JT369	Balikpapan	Lion Airline	739	Scheduled				
9:30 PM	QG807	Semarang	(Citilink	320	Scheduled	2130-2159	5 2130-2144		3
9:30 PM	SJ234	Yogyakarta	Sriwijaya A	735	Scheduled				
9:35 PM	QG178	Jakarta	(HL Citilink	320	Scheduled				
9:45 PM	GA328	Jakarta	(CG Garuda Ind	738	Scheduled		2145-2159		2
9:55 PM	CI751	Singapore	(China Airlir A333 (B-18358)		Scheduled				
10:10 PM	QZ7625	Denpasar	(AirAsia X	A320 (PK-AXH)	Scheduled	2200-2229	6 2200-2214		1
10:15 PM	IW1842	Yogyakarta	Wings Air	AT4	Scheduled		2215-2229		5
10:15 PM	JT590	Jakarta	(CG Lion Airline	739	Scheduled				
10:20 PM	QZ331	Kuala Lum	g AirAsia X	A320 (PK-AXI)	Scheduled				
10:25 PM	JT148	Bandar Lan	Lion Airline	739	Scheduled				
10:25 PM	SJ265	Denpasar	(Sriwijaya A	735	Scheduled				
10:30 PM	JT978	Medan	(KN Lion Airline	738	Scheduled	2230-2259	1 2230-2244		1
							2245-2259		0

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5:40 AM	QG710	Jakarta	(CG Citilink	A320 (PK-GQC)	Landed 5:49 AM	0500-0529	0 0500-0514		0
6:00 AM	ID6596	Jakarta	(CG Batik Air	A320 (PK-LAQ)	Landed 5:54 AM	0530-0559	1 0515-0529		0
6:20 AM	JT311	Banjarmasi	Lion Air	B739 (PK-LFT)	Landed 7:41 AM	0600-0629	3 0530-0544		1
6:20 AM	QG7261	Jakarta	(CG Citilink	320	Unknown		0545-0559		0
6:30 AM	JT690	Jakarta	(CG Lion Air	B739 (PK-LKO)	Landed 6:18 AM	0630-0659	5 0600-0614		1
6:45 AM	ID7511	Jakarta	(HL Batik Air	B738 (PK-LBS)	Landed 6:14 AM		0615-0629		2
6:45 AM	SJ268	Jakarta	(CG Sriwijaya A	733	Unknown		0630-0644		1
6:50 AM	GA368	Makassar	(Garuda Ind	CRJX (PK-GRI)	Unknown		0645-0659		4
6:50 AM	JT929	Denpasar	(Lion Air	B739 (PK-LFW)	Landed 7:32 AM				
7:01 AM	JT823	Lombok	(L Lion Air	B738 (PK-LPO)	Landed 6:47 AM	0700-0729	11 0700-0714		6
7:05 AM	GA302	Jakarta	(CG Garuda Ind	B738 (PK-GFH)	Landed 6:56 AM				

7:05 AM	JT691	Kupang (KC Lion Air	B739 (PK-LGM)	Landed 7:12 AM			
7:10 AM	IW1800	Semarang (Wings Air	AT76 (PK-WGO)	Landed 6:53 AM			
7:10 AM	IW1814	Yogyakarta Wings Air	AT76 (PK-WGT)	Landed 7:10 AM			
7:10 AM	JT801	Makassar (Lion Air	B738 (PK-LPT)	Landed 6:59 AM			
7:15 AM	IN377	Bandung (E Nam Air	735	Unknown	0715-0729		5
7:20 AM	JT367	Balikpapan Lion Air	B739 (PK-LGP)	Landed 7:03 AM			
7:25 AM	IN9377	Bandung (E Nam Air	735	Unknown			
7:25 AM	JT918	Bandung (E Lion Air	B738 (PK-LJW)	Landed 7:18 AM			
7:25 AM	QG712	Jakarta (CG Citilink	A320 (PK-GLG)	Landed 7:26 AM			
7:30 AM	ID6370	Jakarta (CG Batik Air	A320 (PK-LUO)	Landed 7:16 AM	0730-0759	5 0730-0744-	3
7:30 AM	JT748	Jakarta (CG Lion Airline	739	Unknown			
7:35 AM	GA449	Kupang (KC Garuda Ind	B738 (PK-GMZ)	Landed 7:25 AM			
7:50 AM	JT683	Palangkara Lion Air (SC	B739 (PK-LHY)	Landed 7:45 AM	0745-0759		2
7:55 AM	GA304	Jakarta (CG Garuda Ind	B738 (PK-GMH)	Landed 7:39 AM			
8:15 AM	JT861	Palu (PLW) Lion Air	B738 (PK-LPK)	Landed 8:05 AM	0800-0829	3 0800-0814	0
8:20 AM	GA7303	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Landed 8:13 AM		0815-0829	3
8:20 AM	QZ7680	Jakarta (CG AirAsia X	A320 (PK-AXH)	Landed 8:01 AM			
8:30 AM	JT805	Denpasar (Lion Air (6C	B739 (PK-LJO)	Landed 8:10 AM	0830-0859	5 0830-0844	2
8:35 AM	JT645	Lombok (LC Lion Air	B738 (PK-LKR)	Landed 8:30 AM			
8:45 AM	JT731	Balikpapan Lion Air	B738 (PK-LPU)	Landed 9:15 AM		0845-0859	3
8:45 AM	JT859	Balikpapan Lion Airline	738	Unknown			
8:55 AM	QG821	Bandung (E Citilink	A320 (PK-GQQ)	Landed 8:36 AM			
9:00 AM	GA306	Jakarta (CG Garuda Ind	A332 (PK-GPQ)	Landed 8:55 AM	0900-0929	11 0900-0914	8
9:00 AM	IN243	Sampit Air (NAM Air	B735 (PK-NAL)	Landed 9:05 AM			
9:00 AM	QG485	Banjarmasi Citilink	A320 (PK-GLW)	Landed 9:23 AM			
9:05 AM	TR264	Singapore (Scoot	A320 (9V-TRO)	Landed 8:48 AM			
9:10 AM	IW1872	Banjarmasi Wings Air	AT7	Unknown			
9:10 AM	JT315	Banjarmasi Lion Air	B739 (PK-LHP)	Landed 10:06 AM			
9:10 AM	MH871	Kuala Lumpur Malaysia A	B738 (9M-MLV)	Landed 9:01 AM			
9:10 AM	SJ237	Sampit Air (Sriwijaya A	735	Unknown			
9:15 AM	JT168	Kuala Lumpur Lion Air	B738 (PK-LOQ)	Landed 9:10 AM	0915-0929		3
9:15 AM	QG714	Jakarta (CG Citilink	A320 (PK-GLI)	Landed 9:32 AM			
9:15 AM	SQ930	Singapore (Singapore	A333 (9V-SSE)	Landed 9:00 AM			
9:35 AM	JT865	Lombok (LC Lion Air	B739 (PK-LFO)	Landed 10:52 AM	0930-0959	6 0930-0944	1
9:45 AM	ID6572	Jakarta (CG Batik Air	A320 (PK-LAK)	Landed 9:58 AM		0945-0959	4
9:45 AM	IW1805	Sampit Air (Wings Air	AT76 (PK-WJF)	Landed 9:28 AM			
9:45 AM	JT361	Balikpapan Lion Air	B739 (PK-LHK)	Landed 9:39 AM			
9:50 AM	SJ233	Balikpapan Sriwijaya A	B735 (PK-CLF)	Landed 9:53 AM			
9:55 AM	SJ565	Makassar (Sriwijaya A	B738 (PK-CLS)	Landed 10:15 AM			
10:00 AM	JT791	Makassar (Lion Air	B739 (PK-LGL)	Landed 10:36 AM	1000-1029	11 1000-1014	8
10:00 AM	QG431	Balikpapan Citilink	A20N (PK-GTH)	Landed 11:29 AM			
10:00 AM	SJ254	Jakarta (CG Sriwijaya A	738	Unknown			
10:00 AM	JT1781	Makassar (Lion Airline	739	Unknown			
10:05 AM	QG695	Denpasar (Citilink	A320 (PK-GLG)	Landed 10:48 AM			
10:10 AM	GA341	Denpasar (Garuda Ind	B738 (PK-GMC)	Landed 10:02 AM			
10:10 AM	GA364	Semarang (Garuda Ind	CRJX (PK-GRI)	Unknown			
10:10 AM	IW1844	Yogyakarta Wings Air	AT76 (PK-WGT)	Landed 11:01 AM			
10:20 AM	IW1838	Semarang (Wings Air	AT76 (PK-WGO)	Landed 10:20 AM	1015-1029		3
10:20 AM	JT3931	Denpasar (Lion Airline	7M8	Unknown			
10:25 AM	GA308	Jakarta (CG Garuda Ind	B738 (PK-GFW)	Landed 10:13 AM			
10:30 AM	ID6137	Makassar (Batik Air	A320 (PK-LUV)	Landed 11:23 AM	1030-1059	7 1030-1044	3
10:35 AM	QG451	Palangkara Citilink	A320 (PK-GLZ)	Landed 9:45 AM			
10:40 AM	JT692	Jakarta (CG Lion Air	B739 (PK-LJL)	Landed 10:41 AM			
10:50 AM	ID6197	Makassar (Batik Air	A320 (PK-LZH)	Landed 11:11 AM		1045-1059	4
10:50 AM	JT267	Tarakan (TL Lion Air	B739 (PK-LHW)	Landed 10:55 AM			
10:50 AM	QZ321	Kuala Lumpur AirAsia X	A320 (PK-AXJ)	Landed 11:00 AM			
10:55 AM	QG601	Kupang (KC Citilink	A320 (PK-GQC)	Landed 11:19 AM			
11:00 AM	JT983	Pekanbaru Lion Air	B738 (PK-LOG)	Landed 11:07 AM	1100-1129	9 1100-1114	4

11:05 AM	ID7513	Jakarta (HL Batik Air	B738 (PK-LBS)	Landed 10:45 AM			
11:05 AM	SJ335	Bandar Lan Sriwijaya A	738	Unknown			
11:10 AM	JT970	Batam (BT Lion Air	B739 (PK-LHS)	Landed 11:16 AM			
11:15 AM	GA7307	Jember (JB Garuda Ind	AT76 (PK-GAE)	Unknown	1115-1129		5
11:15 AM	QG417	Pontianak (Citilink	A320 (PK-GLA)	Landed 11:38 AM			
11:20 AM	GA975	Banda Aceh Garuda Ind	A333 (PK-GPF)	Landed 11:13 AM			
11:20 AM	QG947	Batam (BT Citilink	A20N (PK-GTI)	Landed 11:27 AM			
11:25 AM	IN117	Batu Licin (NAM Air	AT76 (PK-NYZ)	Landed 11:59 AM			
11:30 AM	JT588	Jakarta (CG Lion Air	B739 (PK-LFZ)	Landed 11:35 AM	1130-1159	7 1130-1144	4
11:35 AM	IW1808	Balikpapan Wings Air	AT7	Unknown			
11:35 AM	IW1917	Surakarta (Wings Air	AT76 (PK-WGU)	Landed 12:01 PM			
11:35 AM	JT365	Balikpapan Lion Air	B739 (PK-LFT)	Landed 12:27 PM			
11:45 AM	GA310	Jakarta (CG Garuda Ind	B738 (PK-GMR)	Landed 12:48 PM	1145-1159		3
11:55 AM	SJ266	Jakarta (CG Sriwijaya A	B738 (PK-CRH)	Landed 12:29 PM			
11:55 AM	QG801	Semarang (Citilink	A320 (PK-GLW)	Landed 11:55 AM			
12:00 PM	ID6576	Jakarta (CG Batik Air	B739 (PK-LBG)	Landed 12:11 PM	1200-1229	10 1200-1214	5
12:00 PM	JT807	Makassar (Lion Air	B739 (PK-LFW)	Landed 12:08 PM			
12:10 PM	JT177	Lombok (LC Lion Air (6C	B739 (PK-LJO)	Landed 12:13 PM			
12:10 PM	JT695	Kupang (KC Lion Air	B739 (PK-LKO)	Landed 11:47 AM			
12:10 PM	QZ696	Jakarta (CG AirAsia X	A320 (PK-AXI)	Landed 12:24 PM			
12:15 PM	IW1873	Jember (JB Wings Air	AT76 (PK-WJF)	Landed 12:17 PM	1215-1229		5
12:15 PM	QG671	Lombok (LC Citilink	320	Unknown			
12:15 PM	QG697	Denpasar (Citilink	A320 (PK-QQM)	Landed 12:06 PM			
12:15 PM	QG437	Balikpapan Citilink	320	Unknown			
12:20 PM	JT227	Banjarmasi Lion Air	B738 (PK-LKR)	Landed 12:52 PM			
12:30 PM	JT269	Balikpapan Lion Airline	738	Unknown	1230-1259	12 1230-1244	7
12:35 PM	ID6413	Denpasar (Batik Air	A320 (PK-LAJ)	Landed 12:55 PM			
12:35 PM	IN193	Pangkalan (Nam Air	735	Unknown			
12:35 PM	JT857	Palembang Lion Air	B738 (PK-LPT)	Landed 12:21 PM			
12:35 PM	QG306	Makassar (Citilink	A320 (PK-GQI)	Diverted to MLG			
12:40 PM	JT736	Denpasar (Lion Airline	739	Unknown			
12:40 PM	JT923	Denpasar (Lion Air	B739 (PK-LFO)	Landed 4:33 PM			
12:45 PM	GA312	Jakarta (CG Garuda Ind	B738 (PK-GFA)	Landed 12:43 PM	1245-1259		5
12:45 PM	JT837	Pontianak (Lion Air	B738 (PK-LPO)	Landed 1:00 PM			
12:50 PM	JT681	Palangkara Lion Air	B739 (PK-LHP)	Landed 1:55 PM			
12:50 PM	JT694	Jakarta (CG Lion Airline	738	Unknown			
12:55 PM	QG433	Balikpapan Citilink	320	Unknown			
1:10 PM	IW1834	Semarang (Wings Air	AT76 (PK-WGT)	Landed 2:25 PM	1300-1329	3 1300-1314	1
1:20 PM	SV3896	Jeddah (JEI Saudia	B744 (TF-AAH)	Landed 1:26 PM		1315-1329	2
1:25 PM	QG716	Jakarta (CG Citilink	A320 (PK-GLI)	Landed 1:46 PM			
1:30 PM	JT313	Banjarmasi Lion Air	B739 (PK-LGL)	Landed 2:32 PM	1330-1259	3 1330-1344	1
1:45 PM	SJ571	Makassar (Sriwijaya A	735	Unknown		1345-1359	2
1:55 PM	JT749	Manado (M Lion Air	B739 (PK-LGS)	Landed 2:20 PM			
2:00 PM	GA365	Lombok (LC Garuda Ind	CRJX (PK-GRI)	Unknown	1400-1429	13 1400-1414	7
2:00 PM	QG487	Banjarmasi Citilink	A320 (PK-GLG)	Landed 2:16 PM			
2:00 PM	QG347	Makassar (Citilink	A320 (PK-GQA)	Landed 2:53 PM			
2:05 PM	3K247	Singapore (Jetstar Airy	A320 (9V-JSK)	Landed 1:49 PM			
2:05 PM	IW1881	Blimbingsa Wings Air	AT76 (PK-WGU)	Landed 2:43 PM			
2:05 PM	JT363	Balikpapan Lion Air	B739 (PK-LHK)	Landed 2:03 PM			
2:10 PM	IN224	Semarang (NAM Air	B735 (PK-NAL)	Landed 1:40 PM			
2:15 PM	GA7305	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Landed 2:28 PM	1415-1429		6
2:20 PM	GA347	Denpasar (Garuda Ind	B738 (PK-GMC)	Landed 1:54 PM			
2:20 PM	ID7042	Jakarta (HL Batik Air	32A	Unknown			
2:20 PM	ID7501	Jakarta (HL Batik Air	A320 (PK-LAW)	Landed 2:00 PM			
2:20 PM	IW1809	Sumenep-M Wings Air	AT76 (PK-WJF)	Unknown			
2:25 PM	ID6406	Jakarta (CG Batik Air	A320 (PK-LAV)	Landed 2:13 PM			
2:30 PM	GA314	Jakarta (CG Garuda Ind	A332 (PK-GPQ)	Landed 2:10 PM	1430-1459	8 1430-1444	5
2:35 PM	JT223	Banjarmasi Lion Air	B739 (PK-LHW)	Landed 2:46 PM			

2:35 PM	JT709	Makassar (Lion Air	B738 (PK-LKW)	Landed 2:56 PM			
2:35 PM	JT1709	Makassar (Lion Airline	738	Unknown			
2:35 PM	JT1797	Makassar (Lion Airline	738	Unknown			
2:45 PM	QZ327	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Landed 2:40 PM	1445-1459		3
2:50 PM	MH873	Kuala Lumpur Malaysia A	B738 (9M-MLO)	Landed 3:09 PM			
2:55 PM	ID6131	Labuan Baj Batik Air	A320 (PK-LUV)	Landed 3:38 PM			
3:00 PM	SJ563	Makassar (Sriwijaya A	733	Unknown	1500-1529	6 1500-1514	4
3:05 PM	GA316	Jakarta (CG Garuda Ind	B738 (PK-GNQ)	Landed 2:52 PM			
3:05 PM	JT582	Jakarta (CG Lion Air	B739 (PK-LJT)	Landed 4:49 PM			
3:10 PM	QG718	Jakarta (CG Citilink	A320 (PK-GQC)	Landed 3:44 PM			
3:15 PM	JT917	Bandung (E Lion Air	B738 (PK-LOG)	Landed 3:30 PM	1515-1529		2
3:20 PM	SJ567	Makassar (Sriwijaya A	B738 (PK-CMT)	Landed 4:25 PM			
3:30 PM	JT649	Lombok (L Lion Air (6C	B739 (PK-LJO)	Landed 4:36 PM	1530-1559	10 1530-1544	4
3:35 PM	ID7515	Jakarta (HL Batik Air	B738 (PK-LBS)	Landed 3:12 PM			
3:35 PM	QG435	Balikpapan Citilink	320	Unknown			
3:35 PM	SJ255	Kupang (KC Sriwijaya A	738	Unknown			
3:45 PM	ID6155	Sorong (SO Batik Air	A320 (PK-LUH)	Landed 3:33 PM	1545-1559		6
3:45 PM	IW1356	Balikpapan Wings Air	739	Unknown			
3:45 PM	JT261	Balikpapan Lion Air	B739 (PK-LFT)	Landed 5:58 PM			
3:50 PM	JT707	Makassar (Lion Air	B739 (PK-LHZ)	Landed 4:40 PM			
3:50 PM	JT598	Jakarta (CG Lion Airline	739	Unknown			
3:55 PM	QZ325	Kuala Lumpur AirAsia X	A320 (PK-AXF)	Landed 3:56 PM			
4:00 PM	GA630	Makassar (Garuda Ind	CRJX (PK-GRN)	Landed 4:02 PM	1600-1629	10 1600-1614	8
4:00 PM	JT839	Pontianak (Lion Air	B738 (PK-LOJ)	Landed 3:52 PM			
4:05 PM	QG699	Denpasar (Citilink	A320 (PK-GLV)	Landed 3:49 PM			
4:10 PM	IL711	Pangkalan Trigana Air	734	Unknown			
4:10 PM	IW1846	Yogyakarta Wings Air	AT75 (PK-WFJ)	Landed 5:37 PM			
4:10 PM	JT377	Samarinda Lion Airline	739	Unknown			
4:10 PM	JT693	Kupang (KC Lion Air	B739 (PK-LGQ)	Landed 4:29 PM			
4:10 PM	JT863	Palangkara Lion Air	B738 (PK-LKR)	Landed 5:19 PM			
4:20 PM	JT164	Kuala Lumpur Lion Airline	738	Unknown	1615-1629		2
4:25 PM	QZ395	Johor Bahru AirAsia X	A320 (PK-AXJ)	Landed 4:42 PM			
4:40 PM	QG835	Majalengka Citilink	320	Unknown	1630-1659	7 1630-1644	2
4:45 PM	IN376	Denpasar (Nam Air	735	Unknown		1645-1659	6
4:45 PM	QG693	Denpasar (Citilink	A320 (PK-GLZ)	Landed 3:01 PM			
4:45 PM	QG949	Batam (BT Citilink	320	Unknown			
4:50 PM	GA372	Bandung (E Garuda Ind	B738 (PK-GNE)	Landed 4:19 PM			
4:50 PM	ID6578	Jakarta (CG Batik Air	A320 (PK-LAM)	Landed 4:45 PM			
4:50 PM	IN277	Denpasar (Nam Air	735	Unknown			
5:00 PM	GA318	Jakarta (CG Garuda Ind	A332 (PK-GPO)	Landed 5:15 PM	1700-1729	13 1700-1714	5
5:00 PM	JT265	Balikpapan Lion Air (6C	B739 (PK-LHY)	Landed 5:40 PM			
5:05 PM	JT972	Batam (BT Lion Air	B739 (PK-LGP)	Landed 5:31 PM			
5:10 PM	IN9277	Denpasar (Nam Air	735	Unknown			
5:10 PM	SJ259	Jayapura (Sriwijaya A	733	Unknown			
5:15 PM	ID7517	Jakarta (HL Batik Air	A320 (PK-LAO)	Landed 6:19 PM	1715-1729		7
5:15 PM	IW1812	Yogyakarta Wings Air	AT75 (PK-WFJ)	Landed 8:52 PM			
5:15 PM	QG931	Pekanbaru Citilink	320	Unknown			
5:20 PM	GA367	Semarang (Garuda Ind	CRJX (PK-GRI)	Unknown			
5:20 PM	QG170	Jakarta (HL Citilink	A320 (PK-GQI)	Landed 4:57 PM			
5:25 PM	GA448	Jakarta (CG Garuda Ind	B738 (PK-GND)	Landed 5:36 PM			
5:25 PM	JT950	Bandung (E Lion Air	B738 (PK-LPU)	Landed 6:52 PM			
5:30 PM	JT965	Lombok (L Lion Air	B738 (PK-LPO)	Landed 5:49 PM	1730-1759	8 1730-1744	6
5:30 PM	QG720	Jakarta (CG Citilink	A320 (PK-GQF)	Landed 5:55 PM			
5:30 PM	SJ239	Sampit Air Sriwijaya A	735	Unknown			
5:40 PM	CX781	Hong Kong Cathay Pac	A333 (B-HLF)	Landed 5:42 PM			
5:40 PM	IN245	Sampit Air NAM Air	B735 (PK-NAL)	Landed 5:22 PM			
5:40 PM	JT596	Jakarta (CG Lion Air	B738 (PK-LPT)	Landed 6:06 PM			
5:50 PM	GA320	Jakarta (CG Garuda Ind	B738 (PK-GMJ)	Landed 5:45 PM	1745-1759		2

5:50 PM	MI226	Singapore (SilkAir)	B738 (9V-MGB)	Landed 6:13 PM			
6:00 PM	GA7309	Yogyakarta Garuda Ind	AT76 (PK-GAE)	Landed 6:08 PM	1800-1829	9 1800-1814	5
6:00 PM	JT855	Makassar (Lion Airline)	739	Unknown			
6:05 PM	JT787	Makassar (Lion Air)	B739 (PK-LGM)	Landed 6:28 PM			
6:05 PM	JT1777	Makassar (Lion Airline)	738	Unknown			
6:10 PM	JT225	Banjarmasi Lion Air	B739 (PK-LHW)	Landed 9:43 PM			
6:20 PM	IW1891	Pangkalan Wings Air	AT76 (PK-WGT)	Landed 6:22 PM	1815-1829	4	
6:20 PM	JT696	Jakarta (CG Lion Air)	B739 (PK-LFS)	Landed 6:15 PM			
6:20 PM	QG673	Lombok (LC Citilink)	A320 (PK-GQC)	Landed 7:01 PM			
6:20 PM	SJ253	Balikpapan Sriwijaya A	B735 (PK-CLF)	Landed 6:55 PM			
6:30 PM	JT697	Kupang (KC Lion Airline)	738	Unknown	1830-1859	7 1830-1844	3
6:30 PM	QG439	Balikpapan Citilink	320	Unknown			
6:40 PM	QG722	Jakarta (CG Citilink)	320	Unknown			
6:50 PM	GA322	Jakarta (CG Garuda Ind	B738 (PK-GMY)	Landed 6:49 PM			
6:50 PM	ID6175	Ambon (AN Batik Air)	A320 (PK-LAQ)	Landed 6:57 PM	1845-1859	4	
6:50 PM	ID6582	Jakarta (CG Batik Air)	A320 (PK-LAU)	Landed 7:04 PM			
6:50 PM	QG172	Jakarta (HL Citilink)	320	Unknown			
7:00 PM	QG174	Jakarta (HL Citilink)	A320 (PK-GQQ)	Landed 6:36 PM	1900-1929	9 1900-1914-	6
7:00 PM	JT319	Banjarmasi Lion Airline	739	Unknown			
7:10 PM	JT737	Manado (N Lion Air)	B739 (PK-LHP)	Landed 9:28 PM			
7:10 PM	QG419	Pontianak (Citilink)	A320 (PK-GLO)	Landed 6:44 PM			
7:10 PM	QG441	Balikpapan Citilink	A320 (PK-GQD)	Landed 6:33 PM			
7:10 PM	JT592	Jakarta (CG Lion Airline)	739	Unknown			
7:15 PM	ID7509	Jakarta (HL Batik Air)	32A	Unknown	1915-1929	3	
7:20 PM	IW1817	Yogyakarta Wings Air	AT76 (PK-WGT)	Landed 9:46 PM			
7:20 PM	QG825	Bandung (E Citilink)	A320 (PK-GQQ)	Landed 6:41 PM			
7:45 PM	SJ234	Yogyakarta Sriwijaya A	B738 (PK-CMR)	Landed 8:01 PM	1930-1959	3 1930-1944	0
7:45 PM	QG489	Banjarmasi Citilink	320	Unknown		1945-1959-	3
7:50 PM	GA324	Jakarta (CG Garuda Ind)	738	Canceled			
8:00 PM	JT919	Denpasar (Lion Air)	B739 (PK-LJL)	Landed 9:03 PM	2000-2029	9 2000-2014	5
8:00 PM	QG176	Jakarta (HL Citilink)	A320 (PK-GQS)	Landed 7:32 PM			
8:00 PM	SJ256	Jakarta (CG Sriwijaya A	B738 (PK-CMW)	Landed 9:21 PM			
8:05 PM	GA330	Jakarta (CG Garuda Ind	B738 (PK-GMI)	Landed 7:56 PM			
8:05 PM	ID7519	Jakarta (HL Batik Air)	B738 (PK-LBS)	Landed 7:45 PM			
8:20 PM	GA349	Denpasar (Garuda Ind	CRJX (PK-GRN)	Landed 7:50 PM	2015-2029	4	
8:20 PM	ID6308	Jakarta (CG Batik Air)	A320 (PK-LZI)	Landed 7:59 PM			
8:20 PM	QG724	Jakarta (CG Citilink)	320	Unknown			
8:25 PM	IW1896	Semarang (Wings Air)	AT76 (PK-WGU)	Landed 8:40 PM			
8:30 PM	SJ258	Jakarta (CG Sriwijaya A)	733	Unknown	2030-2059	6 2030-2044	4
8:30 PM	JT948	Batam (BT Lion Airline)	739	Unknown			
8:40 PM	IN226	Semarang (NAM Air)	B735 (PK-NAL)	Landed 8:37 PM			
8:40 PM	JT727	Kendari (KL Lion Air)	B739 (PK-LGP)	Landed 10:38 PM			
8:45 PM	QG349	Makassar (Citilink)	A320 (PK-GQM)	Landed 8:45 PM	2045-2059	2	
8:55 PM	GA855	Singapore (Garuda Ind	B738 (PK-GFR)	Landed 8:36 PM			
9:00 PM	ID8580	Jakarta (CG Batik Air)	A320 (PK-LAM)	Landed 9:10 PM	2100-2129	11 2100-2114	6
9:00 PM	QG987	Palembang Citilink Gar	A320 (PK-GQT)	Landed 8:32 PM			
9:05 PM	QG726	Jakarta (CG Citilink)	A320 (PK-GQA)	Landed 9:07 PM			
9:10 PM	GA326	Jakarta (CG Garuda Ind	B738 (PK-GFS)	Landed 9:14 PM			
9:10 PM	SJ226	Semarang (Sriwijaya A)	735	Unknown			
9:10 PM	JT975	Lombok (LC Lion Airline)	738	Unknown			
9:15 PM	ID7082	Jakarta (HL Batik Air)	32A	Unknown	2115-2129	5	
9:15 PM	ID7521	Jakarta (HL Batik Air)	A320 (PK-LUW)	Landed 9:19 PM			
9:15 PM	ID7058	Jakarta (HL Batik Air)	32A	Unknown			
9:20 PM	QZ8298	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Landed 8:57 PM			
9:25 PM	JT369	Balikpapan Lion Air	B739 (PK-LIG)	Landed 9:30 PM			
9:30 PM	QG807	Semarang (Citilink)	320	Unknown	2130-2159	4 2130-2144	2
9:35 PM	QG178	Jakarta (HL Citilink)	A320 (PK-GQF)	Landed 9:40 PM			
9:45 PM	GA328	Jakarta (CG Garuda Ind	B738 (PK-GFH)	Landed 10:06 PM	2145-2159	2	

9:55 PM	CI751	Singapore (China Airlir) A333 (B-18307)	Landed 9:51 PM			
10:10 PM	QZ7625	Denpasar (AirAsia X) A320 (PK-AXF)	Landed 9:35 PM	2200-2229	7 2200-2214	2
10:10 PM	QZ7692	Jakarta (CG AirAsia X) A320 (PK-AXJ)	Landed 9:52 PM			
10:15 PM	IW1842	Yogyakarta (Wings Air) AT75 (PK-WFJ)	Landed 7:27 AM		2215-2229	5
10:15 PM	JT590	Jakarta (CG Lion Air) B739 (PK-LGT)	Landed 10:00 PM			
10:20 PM	QZ331	Kuala Lumpur (AirAsia X) A320 (PK-AXH)	Landed 9:54 PM			
10:25 PM	JT148	Bandar Lampung (Lion Air) B738 (PK-LPO)	Landed 10:26 PM			
10:25 PM	SJ265	Denpasar (Sriwijaya Air) B735 (PK-CLF)	Landed 10:04 PM		2230-2244	2
10:30 PM	JT978	Medan (KN Lion Air) B739 (PK-LHH)	Landed 10:23 PM	2230-2259	2 2245-2259	0
10:35 PM	BI795	Brunei (BW Royal Brunei) A20N (V8-RBA)	Landed 10:31 PM			

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5:40 AM	QG710	Jakarta (CG Citilink) A20N (PK-GTI)	Landed 5:29 AM	0500-0529	0 0500-0514	0
6:00 AM	ID6596	Jakarta (CG Batik Air) A320 (PK-LUH)	Landed 5:51 AM	0530-0559	1 0515-0529	0
6:20 AM	JT311	Banjarmasin (Lion Air) B739 (PK-LFF)	Landed 6:57 AM	0600-0629	3 0530-0544	1
6:20 AM	QG7261	Jakarta (CG Citilink) 320	Unknown		0545-0559	0
6:30 AM	JT690	Jakarta (CG Lion Air) B739 (PK-LJJ)	Landed 6:07 AM	0630-0659	5 0600-0614	1
6:45 AM	ID7511	Jakarta (HL Batik Air) B738 (PK-LBS)	Landed 6:33 AM		0615-0629	2
6:45 AM	SJ268	Jakarta (CG Sriwijaya Air) 733	Unknown		0630-0644	1
6:50 AM	GA368	Makassar (Garuda Indonesia) CRJX (PK-GRT)	Landed 7:15 AM		0645-0659	4
6:50 AM	JT929	Denpasar (Lion Air) B739 (PK-LJP)	Landed 6:48 AM			
7:01 AM	JT823	Lombok (LG Malindo Air) B738 (PK-LPV)	Landed 7:12 AM	0700-0729	12 0700-0714	7
7:05 AM	GA302	Jakarta (CG Garuda Indonesia) B738 (PK-GFL)	Landed 6:43 AM			
7:05 AM	JT691	Kupang (KL Lion Air) B739 (PK-LFS)	Landed 7:18 AM			
7:05 AM	QZ7688	Jakarta (CG AirAsia) A320 (PK-AXV)	Landed 6:45 AM			
7:10 AM	IW1800	Semarang (Wings Air) AT76 (PK-WGU)	Landed 7:00 AM			
7:10 AM	IW1814	Yogyakarta (Wings Air) AT76 (PK-WGT)	Landed 6:54 AM			
7:10 AM	JT801	Makassar (Lion Air) B738 (PK-LOJ)	Landed 7:53 AM			
7:15 AM	IN377	Bandung (EN Nam Air) 735	Unknown		0715-0729	5
7:20 AM	JT367	Balikpapan (Lion Air) B739 (PK-LHL)	Landed 7:02 AM			
7:25 AM	IN9377	Bandung (EN Nam Air) 735	Unknown			
7:25 AM	JT918	Bandung (EL Lion Air) B738 (PK-LJQ)	Landed 7:47 AM			
7:25 AM	QG712	Jakarta (CG Citilink) A20N (PK-GTD)	Landed 7:51 AM			
7:30 AM	ID6370	Jakarta (CG Batik Air) A320 (PK-LUM)	Landed 8:01 AM	0730-0759	5 0730-0744-	3
7:30 AM	JT748	Jakarta (CG Lion Airline) 739	Unknown			
7:35 AM	GA449	Kupang (KG Garuda Indonesia) B738 (PK-GND)	Landed 7:57 AM			
7:50 AM	JT683	Palangkara (Lion Air) B739 (PK-LHJ)	Landed 8:11 AM		0745-0759	2
7:55 AM	GA304	Jakarta (CG Garuda Indonesia) B738 (PK-GMG)	Landed 8:07 AM			
8:05 AM	JT107	Jeddah (JEI Lion Air) A333 (PK-LEH)	Landed 8:08 AM	0800-0829	3 0800-0814	1
8:15 AM	JT861	Palu (PLW Lion Air) B739 (PK-LJI)	Landed 8:29 AM		0815-0829	2
8:20 AM	GA7303	Blimbingsa (Garuda Indonesia) AT76 (PK-GAE)	Landed 8:15 AM			
8:30 AM	JT805	Denpasar (Lion Air) B739 (PK-LGP)	Landed 8:26 AM	0830-0859	6 0830-0844	3
8:30 AM	SJ555	Ternate (TS Sriwijaya Air) B738 (PK-CLS)	Landed 8:39 AM			
8:35 AM	JT645	Lombok (LG Lion Air) B738 (PK-LJV)	Landed 8:43 AM			
8:45 AM	JT731	Balikpapan (Lion Air) B738 (PK-LPU)	Landed 10:06 AM		0845-0859	3
8:45 AM	JT859	Balikpapan (Lion Airline) 738	Unknown			
8:55 AM	QG821	Bandung (EG Citilink) A320 (PK-GQS)	Landed 9:39 AM			
9:00 AM	GA306	Jakarta (CG Garuda Indonesia) A332 (PK-GPL)	Landed 9:37 AM	0900-0929	11 0900-0914	8
9:00 AM	IN243	Sampit (NAM Air) B735 (PK-NAL)	Landed 9:04 AM			
9:00 AM	QG485	Banjarmasin (Citilink) 320	Unknown			
9:05 AM	TR264	Singapore (Scoot) A320 (9V-TRH)	Landed 9:32 AM			
9:10 AM	MH871	Kuala Lumpur (Malaysia Air) B738 (9M-MSA)	Landed 9:48 AM			
9:10 AM	IW1872	Banjarmasin (Wings Air) AT7	Unknown			
9:10 AM	JT315	Banjarmasin (Lion Air) B739 (PK-LHP)	Landed 9:55 AM			
9:10 AM	SJ237	Sampit (Air Sriwijaya) 735	Unknown			
9:15 AM	JT168	Kuala Lumpur (Lion Air) B738 (PK-LOQ)	Landed 10:25 AM		0915-0929	3
9:15 AM	QG714	Jakarta (CG Citilink) A320 (PK-GQA)	Landed 9:52 AM			
9:15 AM	SQ930	Singapore (Singapore) A333 (9V-SSA)	Landed 9:44 AM			

9:35 AM	JT865	Lombok (LC Lion Air	B739 (PK-LGT)	Landed 10:02 AM	0930-0959	6 0930-0944	1
9:45 AM	ID6572	Jakarta (CG Batik Air	A320 (PK-LUZ)	Landed 9:58 AM		0945-0959	5
9:45 AM	IW1805	Sampit Air Wings Air	AT75 (PK-WFJ)	Landed 11:29 AM			
9:45 AM	JT361	Balikpapan Lion Air (6C	B739 (PK-LJO)	Landed 10:20 AM			
9:50 AM	SJ233	Balikpapan Sriwijaya A	733	Unknown			
9:55 AM	SJ565	Makassar (Sriwijaya A	735	Unknown			
10:00 AM	JT791	Makassar (Lion Air (5C	B739 (PK-LHY)	Landed 11:16 AM	1000-1029	12 1000-1014	8
10:00 AM	QG431	Balikpapan Citilink	A320 (PK-GLQ)	Landed 10:15 AM			
10:00 AM	SJ254	Jakarta (CG Sriwijaya A	738	Unknown			
10:00 AM	JT1781	Makassar (Lion Airline	739	Unknown			
10:05 AM	QG695	Denpasar (Citilink	A20N (PK-GTD)	Landed 10:59 AM			
10:10 AM	GA341	Denpasar (Garuda Ind	B738 (PK-GNE)	Landed 10:11 AM			
10:10 AM	GA364	Semarang (Garuda Ind	CRJX (PK-GRT)	Landed 10:26 AM			
10:10 AM	IW1844	Yogyakarta Wings Air	AT76 (PK-WFJ)	Landed 10:39 AM			
10:20 AM	SV3590	Jeddah (JEI Saudia	B744 (TF-AAM)	Landed 11:40 AM		1015-1029	4
10:20 AM	IW1838	Surabaya (Wings Air	AT76 (PK-WGU)	Landed 10:12 AM			
10:20 AM	JT3931	Denpasar (Lion Airline	7M8	Unknown			
10:25 AM	GA308	Jakarta (CG Garuda Ind	B738 (PK-GFZ)	Landed 10:33 AM			
10:30 AM	ID6137	Makassar (Batik Air	A320 (PK-LUG)	Landed 10:42 AM	1030-1059	7 1030-1044	3
10:35 AM	QG451	Palangkara Citilink	A320 (PK-GQI)	Landed 10:18 AM			
10:40 AM	JT692	Jakarta (CG Lion Air	B739 (PK-LGM)	Landed 11:05 AM			
10:50 AM	ID6197	Makassar (Batik Air	A320 (PK-LAL)	Landed 10:56 AM		1045-1059	4
10:50 AM	JT267	Tarakan (TI Lion Air	B739 (PK-LHT)	Landed 11:02 AM			
10:50 AM	QZ321	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Landed 10:47 AM			
10:55 AM	QG601	Kupang (KC Citilink	A20N (PK-GTI)	Landed 11:13 AM			
11:00 AM	JT983	Pekanbaru Lion Air (9C	B738 (PK-LKV)	Landed 12:00 PM	1100-1129	7 1100-1114	4
11:05 AM	ID7513	Jakarta (HL Batik Air	B738 (PK-LBS)	Landed 10:51 AM			
11:05 AM	SJ335	Bandar Lampung Sriwijaya A	738	Unknown			
11:10 AM	JT970	Batam (BT Lion Air	B739 (PK-LKM)	Landed 11:32 AM			
11:15 AM	GA7307	Jember (JB Garuda Ind	AT76 (PK-GAE)	Landed 11:21 AM		1115-1129	3
11:15 AM	QG417	Pontianak Citilink	A20N (PK-GTH)	Landed 11:38 AM			
11:20 AM	QG947	Batam (BT Citilink	A320 (PK-GLI)	Landed 11:25 AM			
11:30 AM	JT588	Jakarta (CG Lion Air	B739 (PK-LFY)	Landed 12:40 PM	1130-1159	8 1130-1144	5
11:35 AM	IW1808	Balikpapan Wings Air	AT7	Unknown			
11:35 AM	IW1917	Surakarta (Wings Air	AT76 (PK-WGT)	Landed 12:28 PM			
11:35 AM	JT365	Balikpapan Lion Air	B738 (PK-LJU)	Landed 11:55 AM			
11:40 AM	IN115	Kotabaru (Nam Air	AT7	Unknown			
11:45 AM	GA310	Jakarta (CG Garuda Ind	B738 (PK-GFD)	Landed 11:54 AM		1145-1159	3
11:55 AM	SJ266	Jakarta (CG Sriwijaya A	B738 (PK-CRH)	Landed 12:50 PM			
11:55 AM	QG801	Surabaya (Citilink	A320 (PK-GQF)	Landed 12:10 PM			
12:00 PM	GA985	Banda Aceh Garuda Ind	A333 (PK-GPG)	Landed 11:35 AM	1200-1229	11 1200-1214	5
12:00 PM	ID6576	Jakarta (CG Batik Air	B739 (PK-LBI)	Landed 12:21 PM			
12:00 PM	JT807	Makassar (Lion Air	B739 (PK-LJP)	Landed 12:03 PM			
12:05 PM	QZ393	Johor Bahru AirAsia X	A320 (PK-AXJ)	Landed 11:44 AM			
12:10 PM	JT177	Lombok (LC Lion Air	B739 (PK-LGP)	Landed 12:18 PM			
12:10 PM	JT695	Kupang (KC Lion Air	B739 (PK-LJJ)	Landed 12:24 PM			
12:15 PM	IW1873	Jember (JB Wings Air	AT75 (PK-WFJ)	Unknown		1215-1229	5
12:15 PM	QG437	Balikpapan Citilink	320	Unknown			
12:15 PM	QG671	Lombok (LC Citilink	A320 (PK-GQS)	Landed 12:57 PM			
12:15 PM	QG697	Denpasar (Citilink	A320 (PK-GLO)	Landed 12:07 PM			
12:20 PM	JT227	Banjarmasin Lion Air	B738 (PK-LJV)	Landed 12:13 PM			
12:30 PM	JT269	Balikpapan Lion Air	B739 (PK-LGK)	Delayed 4:52 PM	1230-1259	10 1230-1244	6
12:35 PM	ID6413	Denpasar (Batik Air	B739 (PK-LBH)	Landed 1:35 PM			
12:35 PM	IN193	Pangkalan Bun Nam Air	735	Unknown			
12:35 PM	JT857	Palembang Lion Air	B738 (PK-LOJ)	Landed 12:47 PM			
12:35 PM	QG306	Makassar (Citilink	A20N (PK-GTF)	Landed 12:32 PM			
12:40 PM	JT923	Denpasar (Lion Air	B739 (PK-LGT)	Landed 1:41 PM			
12:45 PM	JT837	Pontianak Malindo Ai	B738 (PK-LPV)	Landed 12:34 PM		1245-1259	4

12:50 PM	JT681	Palangkara	Lion Air	B739 (PK-LHP)	Landed 1:38 PM				
12:50 PM	JT694	Jakarta	(CG Lion Airline	738	Unknown				
12:55 PM	QG433	Balikpapan	Citilink	320	Unknown	1300-1329	4	1300-1314	1
1:10 PM	IW1834	Semarang	(Wings Air	AT76 (PK-WJF)	Landed 1:51 PM			1315-1329	3
1:20 PM	SV3898	Jeddah	(JET Saudia	B744 (TF-AAL)	Landed 1:31 PM				
1:25 PM	QG716	Jakarta	(CG Citilink	A320 (PK-GQA)	Landed 2:01 PM				
1:25 PM	3K247	Singapore	(Jetstar Airv	A320 (9V-JSP)	Landed 12:54 PM	1330-1259	3	1330-1344	1
1:30 PM	JT313	Banjarmasi	Lion Air	B739 (PK-LHT)	Landed 2:47 PM			1345-1359	2
1:45 PM	SJ571	Makassar	(Sriwijaya A	B735 (PK-CLF)	Landed 2:40 PM				
1:55 PM	JT749	Manado	(N Lion Air	B739 (PK-LJJ)	Landed 2:21 PM				
2:00 PM	GA365	Lombok	(L Garuda Ind	CRJX (PK-GRT)	Landed 2:11 PM	1400-1429	12	1400-1414	6
2:00 PM	QG347	Makassar	(Citilink	A320 (PK-GQR)	Landed 2:54 PM				
2:00 PM	QG487	Banjarmasi	Citilink	A20N (PK-GTD)	Landed 2:29 PM				
2:05 PM	IW1881	Blimbingsa	Wings Air	AT76 (PK-WGT)	Landed 3:19 PM				
2:05 PM	JT363	Balikpapan	Lion Air	B738 (PK-LJJ)	Delayed 4:55 PM				
2:10 PM	IN224	Semarang	(NAM Air	B735 (PK-NAL)	Landed 1:45 PM				
2:15 PM	GA7305	Blimbingsa	Garuda Ind	AT76 (PK-GAE)	Landed 2:15 PM			1415-1429	6
2:20 PM	GA347	Denpasar	(Garuda Ind	B738 (PK-GNE)	Landed 2:05 PM				
2:20 PM	ID7042	Jakarta	(HL Batik Air	A320 (PK-LJJ)	Unknown				
2:20 PM	ID7501	Jakarta	(HL Batik Air	A320 (PK-LAT)	Landed 1:57 PM				
2:20 PM	IW1809	Sumenep	- Wings Air	AT75 (PK-WFU)	Unknown				
2:25 PM	ID6406	Jakarta	(CG Batik Air	A320 (PK-LAO)	Landed 2:26 PM				
2:30 PM	GA314	Jakarta	(CG Garuda Ind	A332 (PK-GPL)	Landed 2:44 PM	1430-1459	9	1430-1444	5
2:35 PM	JT223	Banjarmasi	Lion Air	(5C B739 (PK-LHY)	Landed 3:35 PM				
2:35 PM	JT709	Makassar	(Lion Air	B738 (PK-LOM)	Landed 2:32 PM				
2:35 PM	JT1709	Makassar	(Lion Airline	738	Unknown				
2:35 PM	JT1797	Makassar	(Lion Airline	738	Unknown			1445-1459	3
2:45 PM	QZ327	Kuala Lumpur	AirAsia X	A320 (PK-AXF)	Landed 2:38 PM				
2:50 PM	MH873	Kuala Lumpur	Malaysia A	B738 (9M-MLE)	Landed 2:52 PM				
2:50 PM	SJ544	Sorong	(SO Sriwijaya A	738	Unknown				
2:55 PM	ID6131	Labuan Baj	Batik Air	A320 (PK-LUG)	Landed 3:26 PM				
3:00 PM	SJ563	Makassar	(Sriwijaya A	B739 (PK-CMO)	Delayed 4:54 PM	1500-1529	5	1500-1514-	4
3:05 PM	GA316	Jakarta	(CG Garuda Ind	B738 (PK-GFS)	Landed 4:25 PM				
3:05 PM	JT582	Jakarta	(CG Lion Airline	739	Unknown				
3:10 PM	QG718	Jakarta	(CG Citilink	A20N (PK-GTI)	Landed 3:39 PM				
3:15 PM	JT917	Bandung	(E Lion Airline	738	Unknown			1515-1529	1
3:30 PM	JT649	Lombok	(L Lion Airline	739	Unknown	1530-1559	10	1530-1544	5
3:35 PM	MI224	Singapore	(SilkAir	A320 (9V-SLR)	Landed 3:48 PM				
3:35 PM	ID7515	Jakarta	(HL Batik Air	B738 (PK-LBT)	Delayed 4:49 PM				
3:35 PM	QG435	Balikpapan	Citilink	320	Unknown				
3:35 PM	SJ255	Kupang	(KC Sriwijaya A	738	Unknown				
3:45 PM	ID6155	Sorong	(SO Batik Air	A320 (PK-LUW)	Landed 3:55 PM			1545-1559	5
3:45 PM	IW1356	Balikpapan	Wings Air	AT76 (PK-WGY)	Unknown				
3:45 PM	JT261	Balikpapan	Lion Air	(6C B739 (PK-LJO)	Delayed 4:47 PM				
3:50 PM	JT598	Jakarta	(CG Lion Air	B739 (PK-LJF)	Delayed 4:54 PM				
3:50 PM	JT707	Makassar	(Lion Airline	739	Unknown				
4:00 PM	GA630	Makassar	(Garuda Ind	CRJX (PK-GRJ)	Unknown	1600-1629	9	1600-1614	8
4:00 PM	JT839	Pontianak	(Lion Air	B738 (PK-LPT)	Landed 3:42 PM				
4:05 PM	QG699	Denpasar	(Citilink	A320 (PK-GLX)	Landed 3:45 PM				
4:10 PM	IL711	Pangkalan	Trigana Air	733	Scheduled				
4:10 PM	IW1846	Yogyakarta	Wings Air	AT76 (PK-WGQ)	Delayed 5:18 PM				
4:10 PM	JT377	Samarinda	Lion Airline	739	Scheduled				
4:10 PM	JT693	Kupang	(KC Lion Air	B739 (PK-LGW)	Delayed 5:02 PM				
4:10 PM	JT863	Palangkara	Malindo Ai	B738 (PK-LPV)	Delayed 5:43 PM				
4:20 PM	JT164	Kuala Lumpur	Lion Airline	738	Scheduled			1615-1629	1
4:40 PM	QG835	Majalengka	Citilink	320	Scheduled	1630-1659	11	1630-1644	1
4:45 PM	IN376	Denpasar	(NAM Air	B735 (PK-NAU)	Landed 4:40 PM			1645-1659	10
4:45 PM	QG693	Denpasar	(Citilink	A320 (PK-GQI)	Landed 2:59 PM				

4:45 PM	QG949	Batam (BT) Citilink	A20N (PK-GTH)	Delayed 5:39 PM			
4:40 PM	QG835	Majalengka Citilink	320	Scheduled			
4:45 PM	IN376	Denpasar (NAM Air)	B735 (PK-NAU)	Landed 4:40 PM			
4:45 PM	QG693	Denpasar (Citilink)	A320 (PK-GQI)	Landed 2:59 PM			
4:45 PM	QG949	Batam (BT) Citilink	A20N (PK-GTH)	Delayed 5:39 PM			
4:50 PM	GA372	Bandung (E Garuda Ind)	B738 (PK-GMQ)	Estimated 4:49 PM			
4:50 PM	ID6578	Jakarta (CG Batik Air)	A320 (PK-LAZ)	Estimated 4:57 PM			
4:50 PM	IN277	Denpasar (Nam Air)	735	Scheduled			
5:00 PM	GA318	Jakarta (CG Garuda Ind)	A332 (PK-GPQ)	Estimated 4:59 PM	1700-1729	12 1700-1714	5
5:00 PM	JT265	Balikpapan Lion Air	B739 (PK-LHJ)	Delayed 5:43 PM			
5:05 PM	JT972	Batam (BT) Lion Air	B739 (PK-LFW)	Delayed 6:24 PM			
5:10 PM	IN9277	Denpasar (Nam Air)	735	Scheduled			
5:10 PM	SJ259	Jayapura (Sriwijaya A)	733	Scheduled			
5:15 PM	ID7517	Jakarta (HL Batik Air)	A320 (PK-LAV)	Scheduled		1715-1729	7
5:15 PM	IW1812	Yogyakarta Wings Air	AT7	Scheduled			
5:15 PM	QG931	Pekanbaru Citilink	320	Scheduled			
5:20 PM	GA367	Semarang (Garuda Ind)	CRJX (PK-GRT)	Scheduled			
5:20 PM	QG170	Jakarta (HL) Citilink	A20N (PK-GTF)	Delayed 5:40 PM			
5:25 PM	GA448	Jakarta (CG Garuda Ind)	738	Scheduled			
5:25 PM	JT950	Bandung (E Lion Airline)	738	Scheduled			
5:30 PM	JT965	Lombok (LC Lion Airline)	739	Scheduled	1730-1759	8 1730-1744	6
5:30 PM	QG720	Jakarta (CG Citilink)	320	Scheduled			
5:30 PM	SJ239	Sampit Air (Sriwijaya A)	735	Scheduled			
5:40 PM	CX781	Hong Kong Cathay Pac	A333 (B-HLV)	Delayed 6:58 PM			
5:40 PM	IN245	Sampit Air (Nam Air)	735	Scheduled			
5:40 PM	JT596	Jakarta (CG Lion Airline)	738	Scheduled			
5:50 PM	GA320	Jakarta (CG Garuda Ind)	B738 (PK-GMA)	Estimated 5:48 PM		1745-1759	2
5:50 PM	MI226	Singapore (SilkAir)	B738 (9V-MGK)	Delayed 6:37 PM			
6:00 PM	GA7309	Yogyakarta Garuda Ind	AT7	Scheduled	1800-1829	11 1800-1814	7
6:00 PM	JT855	Makassar (Lion Airline)	739	Scheduled			
6:05 PM	JT787	Makassar (Lion Airline)	739	Scheduled			
6:05 PM	JT1777	Makassar (Lion Airline)	738	Scheduled			
6:05 PM	QZ387	Penang (PE AirAsia X)	A320 (PK-AXH)	Estimated 5:37 PM			
6:10 PM	JT225	Banjarmasi Lion Airline	738	Scheduled			
6:10 PM	SJ567	Makassar (Sriwijaya A)	735	Scheduled			
6:20 PM	IW1891	Pangkalan Wings Air	AT76 (PK-WJF)	Estimated 5:59 PM		1815-1829	4
6:20 PM	JT696	Jakarta (CG Lion Airline)	739	Scheduled			
6:20 PM	QG673	Lombok (LC Citilink)	320	Scheduled			
6:20 PM	SJ253	Balikpapan Sriwijaya A	735	Scheduled			
6:30 PM	QG439	Balikpapan Citilink	320	Scheduled	1830-1859	7 1830-1844	3
6:30 PM	JT697	Kupang (KC Lion Airline)	738	Scheduled			
6:40 PM	QG722	Jakarta (CG Citilink)	320	Scheduled			
6:50 PM	GA322	Jakarta (CG Garuda Ind)	738	Scheduled			
6:50 PM	ID6175	Ambon (AN Batik Air)	32A	Scheduled		1845-1859	4
6:50 PM	ID6582	Jakarta (CG Batik Air)	32A	Scheduled			
6:50 PM	QG172	Jakarta (HL Citilink)	320	Scheduled			
7:00 PM	QG174	Jakarta (HL Citilink)	320	Scheduled	1900-1929	9 1900-1914-	6
7:00 PM	JT319	Banjarmasi Lion Airline	739	Scheduled			
7:10 PM	JT259	Padang (PC Lion Airline)	739	Scheduled			
7:10 PM	JT592	Jakarta (CG Lion Airline)	739	Scheduled			
7:10 PM	QG419	Pontianak Citilink	320	Scheduled			
7:10 PM	QG441	Balikpapan Citilink	320	Scheduled			
7:15 PM	ID7509	Jakarta (HL Batik Air)	32A	Scheduled		1915-1929	3
7:20 PM	IW1817	Yogyakarta Wings Air	AT7	Scheduled			
7:20 PM	QG825	Bandung (E Citilink)	320	Scheduled			
7:45 PM	SJ234	Yogyakarta Sriwijaya A	735	Scheduled	1930-1959	3 1930-1944	0
7:45 PM	QG489	Banjarmasi Citilink	320	Scheduled		1945-1959-	3
7:50 PM	GA324	Jakarta (CG Garuda Ind)	738	Scheduled			

8:00 PM	JT919	Denpasar (I)	Lion Airline	739	Scheduled	2000-2029	9	2000-2014	5	
8:00 PM	QG176	Jakarta (HL)	Citilink	320	Scheduled					
8:00 PM	SJ256	Jakarta (CG)	Sriwijaya A	738	Scheduled					
8:05 PM	GA330	Jakarta (CG)	Garuda Ind	738	Scheduled					
8:05 PM	ID7519	Jakarta (HL)	Batik Air	738	Scheduled					
8:20 PM	GA349	Denpasar (I)	Garuda Ind	CRK	Scheduled	2015-2029	4			
8:20 PM	ID6308	Jakarta (CG)	Batik Air	32A	Scheduled					
8:20 PM	QG724	Jakarta (CG)	Citilink	320	Scheduled					
8:25 PM	IW1896	Semarang (I)	Wings Air	AT7	Scheduled					
8:30 PM	SJ258	Jakarta (CG)	Sriwijaya A	733	Scheduled	2030-2059	6	2030-2044	4	
8:30 PM	JT948	Batam (BT)	Lion Airline	739	Scheduled					
8:40 PM	IN226	Semarang (I)	Nam Air	735	Scheduled					
8:40 PM	JT727	Kendari (KL)	Lion Airline	739	Scheduled					
8:45 PM	QG349	Makassar (I)	Citilink	320	Scheduled	2045-2059	2			
8:55 PM	GA855	Singapore (I)	Garuda Ind	738	Scheduled					
9:00 PM	ID8580	Jakarta (CG)	Batik Air	32A	Scheduled	2100-2129	12	2100-2114	7	
9:00 PM	QG987	Palembang	Citilink	320	Scheduled					
9:05 PM	BI795	Brunei (BW)	Royal Brun	320	Scheduled					
9:05 PM	QG726	Jakarta (CG)	Citilink	320	Scheduled					
9:10 PM	GA326	Jakarta (CG)	Garuda Ind	738	Scheduled					
9:10 PM	SJ226	Semarang (I)	Sriwijaya A	735	Scheduled					
9:10 PM	JT975	Lombok (LC)	Lion Airline	738	Scheduled					
9:15 PM	ID7058	Jakarta (HL)	Batik Air	32A	Scheduled	2115-2129	5			
9:15 PM	ID7082	Jakarta (HL)	Batik Air	32A	Scheduled					
9:15 PM	ID7521	Jakarta (HL)	Batik Air	32A	Scheduled					
9:20 PM	QZ8298	Kuala Lumpur	AirAsia X	A320 (PK-AXI)	Scheduled					
9:25 PM	JT369	Balikpapan	Lion Airline	739	Scheduled					
9:30 PM	QG807	Semarang (I)	Citilink	320	Scheduled	2130-2159	4	2130-2144	2	
9:35 PM	QG178	Jakarta (HL)	Citilink	320	Scheduled					
9:45 PM	GA328	Jakarta (CG)	Garuda Ind	738	Scheduled					
9:55 PM	CI751	Singapore (I)	China Airlin	A333 (B-18356)	Scheduled					
10:10 PM	QZ7625	Denpasar (I)	AirAsia X	A320 (PK-AXF)	Scheduled	2200-2229	6	2200-2214	2	
10:15 PM	IW1842	Yogyakarta	Wings Air	AT7	Scheduled					
10:15 PM	JT590	Jakarta (CG)	Lion Airline	739	Scheduled					
10:20 PM	QZ331	Kuala Lumpur	AirAsia X	A320 (PK-AXJ)	Scheduled					
10:25 PM	JT148	Bandar Lampung	Lion Airline	739	Scheduled					
10:25 PM	SJ265	Denpasar (I)	Sriwijaya A	735	Scheduled					
10:30 PM	JT978	Medan (KN)	Lion Airline	738	Scheduled	2230-2259	1	2230-2244	2	
									2245-2259	0

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5:40 AM	QG710	Jakarta (CG)	Citilink	A20N (PK-GTC)	Landed 5:22 AM	0500-0529	0	0500-0514	0
6:00 AM	ID6596	Jakarta (CG)	Batik Air	A320 (PK-LUV)	Landed 6:00 AM	0530-0559	1	0515-0529	0
6:20 AM	JT311	Banjarmasi	Lion Air	(5C) B739 (PK-LHY)	Landed 6:12 AM	0600-0629	3	0530-0544	1
6:20 AM	QG7261	Jakarta (CG)	Citilink	320	Unknown			0545-0559	0
6:30 AM	JT690	Jakarta (CG)	Lion Air	B739 (PK-LHL)	Landed 6:20 AM	0630-0659	5	0600-0614	1
6:45 AM	SJ268	Jakarta (CG)	Sriwijaya A	733	Unknown			0615-0629	2
6:45 AM	ID7511	Jakarta (HL)	Batik Air	738	Unknown			0630-0644	1
6:50 AM	GA368	Makassar (I)	Garuda Ind	CRJX (PK-GRI)	Unknown			0645-0659	4
6:50 AM	JT929	Denpasar (I)	Lion Air	B739 (PK-LGW)	Landed 6:33 AM				
7:01 AM	JT823	Lombok (LC)	Lion Air	B738 (PK-LPO)	Landed 6:47 AM	0700-0729	12	0700-0714	7
7:05 AM	GA302	Jakarta (CG)	Garuda Ind	B738 (PK-GFL)	Landed 6:44 AM				
7:05 AM	JT691	Kupang (KC)	Lion Air	B739 (PK-LGR)	Landed 6:54 AM				
7:05 AM	QZ7688	Jakarta (CG)	AirAsia	A320 (PK-AXD)	Landed 6:41 AM				
7:10 AM	IW1800	Semarang (I)	Wings Air	AT76 (PK-WGH)	Landed 7:09 AM				
7:10 AM	IW1814	Yogyakarta	Wings Air	AT76 (PK-WJF)	Landed 6:51 AM				
7:10 AM	JT801	Makassar (I)	Lion Air	B738 (PK-LPT)	Landed 7:03 AM				
7:15 AM	IN377	Bandung (ENAM)	Air	B735 (PK-NAU)	Landed 7:16 AM	0715-0729			
7:20 AM	JT367	Balikpapan	Lion Air	B739 (PK-LHK)	Landed 6:59 AM				

7:25 AM	IN9377	Bandung (E Nam Air)	735	Unknown				
7:25 AM	JT918	Bandung (E Lion Air)	B738 (PK-LJQ)	Landed 7:22 AM				
7:25 AM	QG712	Jakarta (CG Citilink)	A320 (PK-GQR)	Landed 7:23 AM				
7:30 AM	ID6370	Jakarta (CG Batik Air)	A320 (PK-LAJ)	Landed 7:34 AM	0730-0759	5 0730-0744-		3
7:30 AM	JT748	Jakarta (CG Lion Air)	B739 (PK-LKL)	Landed 9:08 AM				
7:35 AM	GA449	Kupang (KC Garuda Ind)	B738 (PK-GMR)	Landed 7:12 AM				
7:50 AM	JT683	Palangkara Lion Air	B739 (PK-LHJ)	Landed 7:30 AM		0745-0759		2
7:55 AM	GA304	Jakarta (CG Garuda Ind)	B738 (PK-GFH)	Landed 7:55 AM				
8:15 AM	JT861	Palu (PLW) Lion Air	B739 (PK-LHT)	Landed 8:14 AM	0800-0829	4 0800-0814		0
8:20 AM	QZ7680	Jakarta (CG AirAsia X)	A320 (PK-AXI)	Landed 8:09 AM		0815-0829		4
8:20 AM	GA7303	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Landed 8:17 AM				
8:20 AM	XT7680	Jakarta (CG Indonesia /)	320	Unknown				
8:30 AM	JT805	Denpasar (Lion Airline)	739	Unknown	0830-0859	5 0830-0844		2
8:35 AM	JT645	Lombok (L Lion Air (9C	B738 (PK-LKV)	Landed 8:36 AM				
8:45 AM	JT731	Balikpapan Lion Air	B738 (PK-LJV)	Landed 9:18 AM		0845-0859		3
8:45 AM	JT859	Balikpapan Lion Airline	738	Unknown				
8:55 AM	QG821	Bandung (E Citilink)	A320 (PK-GQS)	Landed 8:28 AM				
9:00 AM	GA306	Jakarta (CG Garuda Ind)	A332 (PK-GPO)	Landed 8:45 AM	0900-0929	11 0900-0914		8
9:00 AM	IN243	Sampit Air (NAM Air)	B735 (PK-NAL)	Landed 9:24 AM				
9:00 AM	QG485	Banjarmasi Citilink	320	Unknown				
9:05 AM	TR264	Singapore (Scoot)	A320 (9V-TAO)	Landed 9:21 AM				
9:10 AM	MH871	Kuala Lumpur Malaysia A	B738 (9M-MLM)	Landed 9:04 AM				
9:10 AM	IW1872	Banjarmasi Wings Air	AT7	Unknown				
9:10 AM	JT315	Banjarmasi Lion Air	B739 (PK-LKM)	Landed 8:43 AM				
9:10 AM	SJ237	Sampit Air (Sriwijaya A)	735	Unknown				
9:15 AM	JT168	Kuala Lumpur Lion Air	B738 (PK-LKT)	Landed 9:07 AM		0915-0929		3
9:15 AM	QG714	Jakarta (CG Citilink)	A320 (PK-GQU)	Landed 9:11 AM				
9:15 AM	SQ930	Singapore (Singapore A	A333 (9V-SHH)	Landed 9:33 AM				
9:35 AM	JT865	Lombok (L Lion Air (6C	B739 (PK-LJO)	Landed 9:28 AM	0930-0959	6 0930-0944		1
9:45 AM	ID6572	Jakarta (CG Batik Air)	A320 (PK-LAO)	Landed 9:42 AM		0945-0959		5
9:45 AM	IW1805	Sampit Air (Wings Air)	AT76 (PK-WHU)	Landed 9:14 AM				
9:45 AM	JT361	Balikpapan Lion Air	B739 (PK-LHH)	Landed 9:38 AM				
9:50 AM	SJ233	Balikpapan Sriwijaya A	B735 (PK-CLF)	Landed 10:18 AM				
9:55 AM	SJ565	Makassar (I Sriwijaya A	B738 (PK-CMT)	Landed 10:56 AM				
10:00 AM	JT791	Makassar (I Lion Air)	B739 (PK-LPH)	Landed 11:04 AM	1000-1029	11 1000-1014		9
10:00 AM	QG431	Balikpapan Citilink	A320 (PK-GLO)	Landed 10:54 AM				
10:00 AM	SJ254	Jakarta (CG Sriwijaya A)	738	Unknown				
10:00 AM	JT1781	Makassar (I Lion Airline)	739	Unknown				
10:05 AM	JT109	Jeddah (JEI Lion Air)	A333 (PK-LEH)	Landed 10:00 AM				
10:05 AM	QG695	Denpasar (I Citilink)	A320 (PK-GQR)	Landed 10:26 AM				
10:10 AM	GA341	Denpasar (I Garuda Ind)	B738 (PK-GMQ)	Landed 10:05 AM				
10:10 AM	GA364	Semarang (I Garuda Ind)	CRJX (PK-GRI)	Unknown				
10:10 AM	IW1844	Yogyakarta Wings Air	AT76 (PK-WGH)	Landed 11:16 AM				
10:20 AM	IW1838	Semarang (I Wings Air)	AT76 (PK-WJF)	Landed 10:22 AM		1015-1029		2
10:25 AM	GA308	Jakarta (CG Garuda Ind)	B738 (PK-GNT)	Landed 10:32 AM				
10:30 AM	ID6137	Makassar (I Batik Air)	A320 (PK-LUH)	Landed 10:49 AM	1030-1059	7 1030-1044		3
10:35 AM	QG451	Palangkara Citilink	A320 (PK-GLP)	Landed 9:46 AM				
10:40 AM	JT692	Jakarta (CG Lion Air)	B739 (PK-LFU)	Landed 10:43 AM				
10:50 AM	ID6197	Makassar (I Batik Air)	A320 (PK-LZI)	Landed 11:06 AM		1045-1059		4
10:50 AM	JT267	Tarakan (TI Lion Air)	B739 (PK-LHJ)	Landed 10:13 AM				
10:50 AM	QZ321	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Landed 10:35 AM				
10:55 AM	QG601	Kupang (KC Citilink)	A20N (PK-GTC)	Landed 11:09 AM				
11:00 AM	JT983	Pekanbaru Lion Air	B738 (PK-LOV)	Landed 11:01 AM	1100-1129	9 1100-1114		4
11:05 AM	ID7513	Jakarta (HL Batik Air)	B738 (PK-LBS)	Landed 10:40 AM				
11:05 AM	SJ335	Bandar Lampung Sriwijaya A	738	Unknown				
11:05 AM	ID6681	Samarinda Batik Air	32A	Unknown				
11:10 AM	JT970	Batam (BT Lion Air)	B739 (PK-LHI)	Landed 11:18 AM				
11:15 AM	GA7307	Jember (JB Garuda Ind)	AT76 (PK-GAE)	Landed 11:14 AM		1115-1129		4

11:15 AM	QG417	Pontianak (Citilink)	A320 (PK-GLA)	Landed 11:31 AM			
11:20 AM	QG947	Batam (BT) Citilink	A20N (PK-GTH)	Landed 11:25 AM			
11:25 AM	IN117	Batu Licin (NAM Air)	AT76 (PK-NYZ)	Landed 11:35 AM			
11:30 AM	JT588	Jakarta (CG Lion Air)	B739 (PK-LHO)	Landed 11:28 AM	1130-1159	7 1130-1144	4
11:35 AM	IW1808	Balikpapan Wings Air	AT7	Unknown			
11:35 AM	IW1917	Surakarta (Wings Air)	AT75 (PK-WFJ)	Landed 11:57 AM			
11:35 AM	JT365	Balikpapan Lion Air (5C)	B739 (PK-LHY)	Landed 11:22 AM			
11:45 AM	GA310	Jakarta (CG Garuda Ind)	B738 (PK-GFG)	Landed 11:42 AM		1145-1159	3
11:55 AM	SJ266	Jakarta (CG Sriwijaya A)	B738 (PK-CMU)	Landed 3:27 PM			
11:55 AM	QG801	Semarang (Citilink)	A320 (PK-GQL)	Landed 11:51 AM			
12:00 PM	ID6576	Jakarta (CG Batik Air)	B739 (PK-LBH)	Landed 12:02 PM	1200-1229	10 1200-1214	5
12:00 PM	JT807	Makassar (Lion Air)	B739 (PK-LGW)	Landed 12:08 PM			
12:10 PM	JT177	Lombok (LC) Lion Airline	739	Unknown			
12:10 PM	JT695	Kupang (KC) Lion Air	B739 (PK-LHL)	Landed 12:31 PM			
12:10 PM	QZ696	Jakarta (CG AirAsia X)	A320 (PK-AXF)	Landed 11:54 AM			
12:15 PM	IW1873	Jember (JB) Wings Air	AT76 (PK-WHU)	Unknown		1215-1229	5
12:15 PM	QG437	Balikpapan Citilink	320	Unknown			
12:15 PM	QG671	Lombok (LC) Citilink	A320 (PK-GQS)	Landed 12:12 PM			
12:15 PM	QG697	Denpasar (Citilink)	A320 (PK-GLJ)	Landed 12:05 PM			
12:20 PM	JT227	Banjarmasi Lion Air (9C)	B738 (PK-LKV)	Landed 12:37 PM			
12:30 PM	JT269	Balikpapan Lion Air	B738 (PK-LJS)	Landed 12:23 PM	1230-1259	12 1230-1244	7
12:35 PM	ID6413	Denpasar (Batik Air)	A320 (PK-LAY)	Landed 12:46 PM			
12:35 PM	IN193	Pangkalan Nam Air	735	Unknown			
12:35 PM	JT857	Palembang Lion Air	B738 (PK-LPT)	Landed 12:16 PM			
12:35 PM	QG306	Makassar (Citilink)	A20N (PK-GTF)	Landed 12:29 PM			
12:40 PM	JT736	Denpasar (Lion Airline)	739	Unknown			
12:40 PM	JT923	Denpasar (Lion Air (6C))	B739 (PK-LJO)	Landed 12:55 PM			
12:45 PM	GA312	Jakarta (CG Garuda Ind)	B738 (PK-GFE)	Landed 12:28 PM	1245-1259		5
12:45 PM	JT837	Pontianak (Lion Air)	B738 (PK-LPO)	Landed 12:40 PM			
12:50 PM	JT681	Palangkara Lion Air	B739 (PK-LKM)	Landed 12:52 PM			
12:50 PM	JT694	Jakarta (CG Lion Air)	B739 (PK-LGY)	Landed 1:24 PM			
12:55 PM	QG433	Balikpapan Citilink	320	Unknown			
1:10 PM	IW1834	Semarang (Wings Air)	AT76 (PK-WGH)	Landed 2:38 PM	1300-1329	4 1300-1314	1
1:15 PM	JT3807	Makassar (Lion Air)	A333 (PK-LEF)	Landed 1:31 PM		1315-1329	3
1:25 PM	3K247	Singapore (Jetstar Airv)	A320 (9V-JSN)	Landed 1:29 PM			
1:25 PM	QG716	Jakarta (CG Citilink)	A320 (PK-GQU)	Landed 1:42 PM			
1:30 PM	JT313	Banjarmasi Lion Air	B739 (PK-LHK)	Landed 1:35 PM	1330-1259	3 1330-1344	1
1:45 PM	SJ571	Makassar (Sriwijaya A)	735	Unknown		1345-1359	2
1:55 PM	JT749	Manado (N) Lion Air	B739 (PK-LKL)	Landed 4:18 PM			
2:00 PM	GA365	Lombok (LC) Garuda Ind	CRJX (PK-GRI)	Unknown	1400-1429	13 1400-1414	6
2:00 PM	QG347	Makassar (Citilink)	A20N (PK-GTD)	Landed 2:53 PM			
2:00 PM	QG487	Banjarmasi Citilink	A320 (PK-GQR)	Landed 2:06 PM			
2:00 PM	ID6683	Samarinda Batik Air	32A	Unknown			
2:05 PM	IW1881	Blimbingsa Wings Air	AT75 (PK-WFJ)	Landed 2:50 PM			
2:05 PM	JT363	Balikpapan Lion Air	B739 (PK-LHH)	Landed 2:09 PM			
2:10 PM	IN224	Semarang (NAM Air)	B735 (PK-NAL)	Landed 1:56 PM			
2:15 PM	GA7305	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Landed 2:41 PM	1415-1429		6
2:20 PM	GA347	Denpasar (Garuda Ind)	B738 (PK-GMQ)	Landed 1:47 PM			
2:20 PM	ID7501	Jakarta (HL) Batik Air	A320 (PK-LAP)	Landed 1:59 PM			
2:20 PM	ID7042	Jakarta (HL) Batik Air	32A	Unknown			
2:20 PM	IW1809	Sumenep-M Wings Air	AT76 (PK-WHU)	Landed 2:03 PM			
2:25 PM	ID6406	Jakarta (CG Batik Air)	A320 (PK-LAO)	Landed 2:30 PM			
2:30 PM	GA314	Jakarta (CG Garuda Ind)	A332 (PK-GPO)	Landed 2:14 PM	1430-1459	7 1430-1444	5
2:35 PM	JT223	Banjarmasi Lion Air	B739 (PK-LJH)	Landed 2:44 PM			
2:35 PM	JT709	Makassar (Lion Air)	B739 (PK-LFS)	Landed 3:09 PM			
2:35 PM	JT1709	Makassar (Lion Airline)	738	Unknown			
2:35 PM	JT1797	Makassar (Lion Airline)	738	Unknown			
2:45 PM	QZ327	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Landed 2:48 PM	1445-1459		3

2:55 PM	ID6131	Labuan Baj	Batik Air	A320 (PK-LUH)	Landed 3:03 PM				
3:00 PM	SJ563	Makassar (	Sriwijaya A	733	Unknown	1500-1529	6	1500-1514-	4
3:05 PM	GA316	Jakarta (CG	Garuda Ind	B738 (PK-GNA)	Landed 2:56 PM				
3:05 PM	JT582	Jakarta (CG	Lion Air	B739 (PK-LHM)	Landed 4:05 PM				
3:10 PM	QG718	Jakarta (CG	Citilink	A20N (PK-GTC)	Landed 3:51 PM				
3:15 PM	JT917	Bandung (E	Lion Air	B738 (PK-LOV)	Landed 3:45 PM			1515-1529	1
3:20 PM	SJ567	Makassar (	Sriwijaya A	B738 (PK-CLS)	Landed 5:30 PM				
3:30 PM	JT649	Lombok (L	Lion Air	B739 (PK-LGP)	Landed 4:43 PM	1530-1559	11	1530-1544	5
3:35 PM	ID7515	Jakarta (HL	Batik Air	B738 (PK-LBS)	Landed 3:33 PM				
3:35 PM	MI224	Singapore (	SilkAir	A320 (9V-SLR)	Landed 4:22 PM				
3:35 PM	QG435	Balikpapan	Citilink	320	Unknown				
3:35 PM	SJ255	Kupang (KC	Sriwijaya A	738	Unknown				
3:45 PM	ID6155	Sorong (SO	Batik Air	A320 (PK-LAW)	Landed 4:16 PM			1545-1559	6
3:45 PM	IW1356	Balikpapan	Wings Air	AT7	Unknown				
3:45 PM	JT261	Balikpapan	Lion Air (5C	B739 (PK-LHY)	Landed 4:26 PM				
3:50 PM	JT707	Makassar (	Lion Air	B739 (PK-LFZ)	Landed 4:47 PM				
3:50 PM	JT598	Jakarta (CG	Lion Airline	739	Unknown				
3:55 PM	QZ325	Kuala Lum	AirAsia X	A320 (PK-AXJ)	Landed 3:54 PM				
4:00 PM	GA630	Makassar (	Garuda Ind	CRJX (PK-GRO)	Unknown	1600-1629	9	1600-1614	8
4:00 PM	JT839	Pontianak	Lion Air	B738 (PK-LOM)	Landed 3:57 PM				
4:05 PM	QG699	Denpasar (	Citilink	A320 (PK-GLR)	Landed 4:13 PM				
4:10 PM	IL711	Pangkalan	Trigana Air	733	Unknown				
4:10 PM	IW1846	Yogyakarta	Wings Air	AT76 (PK-WGH)	Unknown				
4:10 PM	JT377	Samarinda	Lion Airline	739	Unknown				
4:10 PM	JT693	Kupang (KC	Lion Air	B739 (PK-LHW)	Landed 5:14 PM				
4:10 PM	JT863	Palangkara	Lion Air	B738 (PK-LJS)	Landed 4:07 PM				
4:20 PM	JT164	Kuala Lum	Lion Airline	738	Unknown			1615-1629	1
4:40 PM	QG835	Majalengka	Citilink	A320 (PK-GLA)	Landed 4:01 PM	1630-1659	11	1630-1644	1
4:45 PM	IN376	Denpasar (	Nam Air	735	Unknown			1645-1659	6
4:45 PM	QG693	Denpasar (	Citilink	A320 (PK-GLP)	Landed 3:00 PM				
4:45 PM	QG949	Batam (BT	Citilink	A20N (PK-GTH)	Landed 5:06 PM				
4:50 PM	GA372	Bandung (E	Garuda Ind	B738 (PK-GMU)	Landed 4:37 PM				
4:50 PM	ID6578	Jakarta (CG	Batik Air	A320 (PK-LUQ)	Landed 4:56 PM				
4:50 PM	IN277	Denpasar (	Nam Air	735	Unknown				
5:00 PM	GA318	Jakarta (CG	Garuda Ind	B77W (PK-GIE)	Landed 4:52 PM	1700-1729	12	1700-1714	5
5:00 PM	JT265	Balikpapan	Lion Air	B739 (PK-LHJ)	Landed 5:21 PM				
5:05 PM	JT972	Batam (BT	Lion Airline	739	Unknown				
5:10 PM	IN9277	Denpasar (	Nam Air	735	Unknown				
5:10 PM	SJ259	Jayapura (C	Sriwijaya A	733	Unknown				
5:15 PM	ID7517	Jakarta (HL	Batik Air	A320 (PK-LUJ)	Landed 5:18 PM			1715-1729	7
5:15 PM	IW1812	Yogyakarta	Wings Air	AT76 (PK-WGH)	Landed 6:25 PM				
5:15 PM	QG931	Pekanbaru	Citilink	320	Unknown				
5:20 PM	GA367	Semarang (	Garuda Ind	CRJX (PK-GRI)	Unknown				
5:20 PM	QG170	Jakarta (HL	Citilink	A20N (PK-GTF)	Landed 5:00 PM				
5:25 PM	GA448	Jakarta (CG	Garuda Ind	B738 (PK-GMI)	Landed 5:25 PM				
5:25 PM	JT950	Bandung (E	Lion Air	B738 (PK-LJV)	Landed 6:27 PM				
5:30 PM	QG720	Jakarta (CG	Citilink	A320 (PK-GQU)	Landed 6:05 PM	1730-1759	9	1730-1744	6
5:30 PM	SJ239	Sampit Air	Sriwijaya A	735	Unknown				
5:30 PM	JT965	Lombok (L	Lion Airline	739	Unknown				
5:40 PM	CX781	Hong Kong	Cathay Pac	A333 (B-HLO)	Landed 5:43 PM				
5:40 PM	IN245	Sampit Air	Nam Air	735	Unknown				
5:40 PM	JT596	Jakarta (CG	Lion Air	B738 (PK-LPU)	Landed 8:22 PM				
5:50 PM	GA320	Jakarta (CG	Garuda Ind	B738 (PK-GNH)	Landed 5:41 PM			1745-1759	3
5:50 PM	MI226	Singapore (	SilkAir	B738 (9V-MGG)	Landed 6:30 PM				
5:50 PM	IN3770	Denpasar (	NAM Air	B735 (PK-NAL)	Landed 5:48 PM				
6:00 PM	GA7309	Yogyakarta	Garuda Ind	AT76 (PK-GAE)	Landed 6:21 PM	1800-1829	10	1800-1814	6
6:00 PM	JT855	Makassar (	Lion Airline	739	Unknown				
6:05 PM	JT787	Makassar (	Lion Air	B739 (PK-LGM)	Landed 7:46 PM				

6:05 PM	JT1777	Makassar (I)	Lion Airline	738	Unknown				
6:05 PM	QZ387	Penang (PE)	AirAsia X	A320 (PK-AXH)	Landed 5:58 PM				
6:10 PM	JT225	Banjarmasi	Lion Airline	738	Unknown				
6:20 PM	IW1891	Pangkalan	Wings Air	AT76 (PK-WHU)	Landed 5:51 PM		1815-1829		4
6:20 PM	JT696	Jakarta (CG)	Lion Air	B739 (PK-LGV)	Landed 7:37 PM				
6:20 PM	QG673	Lombok (LC)	Citilink	A20N (PK-GTC)	Landed 7:11 PM				
6:20 PM	SJ253	Balikpapan	Sriwijaya A	B735 (PK-CLF)	Landed 6:33 PM				
6:30 PM	GA975	Banda Aceh	Garuda Ind	A333 (PK-GPG)	Landed 6:50 PM	1830-1859	8	1830-1844	4
6:30 PM	QG439	Balikpapan	Citilink	320	Unknown				
6:30 PM	JT697	Kupang (KC)	Lion Airline	738	Unknown				
6:40 PM	QG722	Jakarta (CG)	Citilink (Kaj)	A320 (PK-GLC)	Landed 6:55 PM				
6:50 PM	GA322	Jakarta (CG)	Garuda Ind	B738 (PK-GMY)	Landed 7:04 PM		1845-1859		4
6:50 PM	ID6175	Ambon (AN)	Batik Air	A320 (PK-LUV)	Landed 6:45 PM				
6:50 PM	ID6582	Jakarta (CG)	Batik Air	A320 (PK-LUL)	Landed 7:06 PM				
6:50 PM	QG172	Jakarta (HL)	Citilink	A20N (PK-GTD)	Landed 6:35 PM				
7:00 PM	JT319	Banjarmasi	Lion Air	B739 (PK-LGP)	Landed 8:43 PM	1900-1929	9	1900-1914-	6
7:00 PM	QG174	Jakarta (HL)	Citilink	320	Unknown				
7:10 PM	JT737	Manado (IV)	Lion Air	B739 (PK-LJM)	Landed 8:47 PM				
7:10 PM	QG419	Pontianak	Citilink	A320 (PK-GQH)	Landed 6:42 PM				
7:10 PM	QG441	Balikpapan	Citilink	A320 (PK-GQD)	Landed 6:38 PM				
7:10 PM	JT592	Jakarta (CG)	Lion Airline	739	Unknown				
7:15 PM	ID7509	Jakarta (HL)	Batik Air	A320 (PK-LAO)	Landed 6:59 PM		1915-1929		3
7:20 PM	IW1817	Yogyakarta	Wings Air	AT76 (PK-WHU)	Landed 9:09 PM				
7:20 PM	QG825	Bandung (E)	Citilink	A320 (PK-GQS)	Landed 6:52 PM				
7:45 PM	QG489	Banjarmasi	Citilink	A320 (PK-GLA)	Landed 8:16 PM	1930-1959	2	1930-1944	0
7:50 PM	GA324	Jakarta (CG)	Garuda Ind	B738 (PK-GFL)	Landed 7:33 PM			1945-1959-	2
8:00 PM	SJ256	Jakarta (CG)	Sriwijaya A	B738 (PK-CMR)	Landed 11:00 PM	2000-2029	9	2000-2014	5
8:00 PM	JT919	Denpasar (I)	Lion Air (6C)	B739 (PK-LJO)	Landed 9:15 PM				
8:00 PM	QG176	Jakarta (HL)	Citilink	A320 (PK-GLW)	Landed 7:54 PM				
8:05 PM	GA330	Jakarta (CG)	Garuda Ind	B738 (PK-GMV)	Landed 8:00 PM				
8:05 PM	ID7519	Jakarta (HL)	Batik Air	B738 (PK-LBS)	Landed 7:41 PM				
8:20 PM	GA349	Denpasar (I)	Garuda Ind	CRJX (PK-GRO)	Unknown		2015-2029		4
8:20 PM	ID6308	Jakarta (CG)	Batik Air	A320 (PK-LZH)	Landed 8:06 PM				
8:20 PM	QG724	Jakarta (CG)	Citilink	A320 (PK-GLT)	Landed 8:26 PM				
8:25 PM	IW1896	Surabaya (I)	Wings Air	AT76 (PK-WGG)	Landed 9:34 PM				
8:30 PM	JT948	Batam (BT)	Lion Air	B739 (PK-LFJ)	Landed 9:30 PM	2030-2059	6	2030-2044	4
8:30 PM	SJ258	Jakarta (CG)	Sriwijaya A	733	Unknown				
8:40 PM	IN226	Semarang (I)	Nam Air	735	Unknown				
8:40 PM	JT727	Kendari (KL)	Lion Air	B739 (PK-LFZ)	Landed 10:17 PM				
8:45 PM	QG349	Makassar (I)	Citilink	A320 (PK-GLG)	Landed 9:01 PM		2045-2059		2
8:55 PM	GA855	Singapore (I)	Garuda Ind	B738 (PK-GFR)	Landed 8:54 PM				
9:00 PM	ID8580	Jakarta (CG)	Batik Air	A320 (PK-LUQ)	Landed 9:26 PM	2100-2129	12	2100-2114	6
9:00 PM	QG987	Palembang	Citilink	A320 (PK-GQJ)	Landed 8:56 PM				
9:05 PM	QG726	Jakarta (CG)	Citilink	A20N (PK-GTH)	Landed 9:12 PM				
9:10 PM	GA326	Jakarta (CG)	Garuda Ind	B738 (PK-GMK)	Landed 9:45 PM				
9:10 PM	JT975	Lombok (LC)	Lion Air	B738 (PK-LOG)	Landed 10:27 PM				
9:10 PM	SJ226	Semarang (I)	Sriwijaya A	735	Unknown				
9:15 PM	ID7082	Jakarta (HL)	Batik Air	32A	Unknown		2115-2129		5
9:15 PM	ID7521	Jakarta (HL)	Batik Air	A320 (PK-LUR)	Landed 9:46 PM				
9:15 PM	ID7058	Jakarta (HL)	Batik Air	32A	Unknown				
9:20 PM	QZ8298	Kuala Lumpur (I)	AirAsia X	A320 (PK-AXI)	Landed 9:05 PM				
9:25 PM	JT369	Balikpapan	Lion Air	B739 (PK-LGW)	Landed 9:40 PM				
9:30 PM	SJ234	Yogyakarta	Sriwijaya A	B738 (PK-CRH)	Landed 10:25 PM				
9:30 PM	QG807	Semarang (I)	Citilink	A320 (PK-GQR)	Landed 9:23 PM	2130-2159	5	2130-2144	3
9:35 PM	QG178	Jakarta (HL)	Citilink	A320 (PK-GQU)	Landed 10:01 PM				
9:45 PM	GA328	Jakarta (CG)	Garuda Ind	B738 (PK-GNO)	Landed 10:09 PM			2145-2159	2
9:55 PM	CI751	Singapore (I)	China Airlin	A333 (B-18357)	Landed 9:38 PM				
10:10 PM	QZ7692	Jakarta (CG)	AirAsia X	A320 (PK-AXH)	Landed 9:56 PM	2200-2229	7	2200-2214	2

10:10 PM	QZ7625	Denpasar (I) AirAsia X	A320 (PK-AXF)	Landed 9:48 PM			
10:15 PM	IW1842	Yogyakarta Wings Air	AT76 (PK-WGU)	Landed 10:21 PM	2215-2229	5	
10:15 PM	JT590	Jakarta (CG) Lion Air	B739 (PK-LPF)	Landed 10:40 PM			
10:20 PM	QZ331	Kuala Lumpur AirAsia X	A320 (PK-AXJ)	Landed 10:12 PM			
10:25 PM	JT148	Bandar Lampung Lion Air	B739 (PK-LJH)	Landed 10:44 PM			
10:25 PM	SJ265	Denpasar (I) Sriwijaya A	B735 (PK-CLF)	Landed 10:34 PM			
10:30 PM	JT978	Medan (KN) Lion Air	B739 (PK-LFV)	Landed 10:30 PM	2230-2259	2	2230-2244
10:35 PM	BI795	Brunei (BW) Royal Brunei	A320 (V8-RBX)	Landed 10:16 PM	2245-2259	0	2245-2259

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5:40 AM	QG710	Jakarta (CG) Citilink	A20N (PK-GTD)	Landed 5:25 AM	0500-0529	0	0500-0514
6:00 AM	ID6596	Jakarta (CG) Batik Air	A320 (PK-LUQ)	Landed 5:56 AM	0530-0559	1	0515-0529
6:20 AM	JT311	Banjarmasin Lion Air	B739 (PK-LGL)	Landed 6:00 AM	0600-0629	3	0530-0544
6:20 AM	QG7261	Jakarta (CG) Citilink	320	Unknown			0545-0559
6:30 AM	JT690	Jakarta (CG) Lion Air	B739 (PK-LGW)	Landed 6:30 AM	0630-0659	5	0600-0614
6:45 AM	ID7511	Jakarta (HL) Batik Air	B738 (PK-LDG)	Landed 6:27 AM			0615-0629
6:45 AM	SJ268	Jakarta (CG) Sriwijaya A	733	Unknown			0630-0644
6:50 AM	GA368	Makassar (I) Garuda Ind	CRJX (PK-GRN)	Landed 6:59 AM			0645-0659
6:50 AM	JT929	Denpasar (I) Lion Air	B739 (PK-LGP)	Landed 6:51 AM			
7:01 AM	JT823	Lombok (LC) Lion Air	B738 (PK-LJU)	Landed 6:49 AM	0700-0729	12	0700-0714
7:05 AM	GA302	Jakarta (CG) Garuda Ind	B738 (PK-GNA)	Landed 6:47 AM			
7:05 AM	JT691	Kupang (KC) Lion Air	B739 (PK-LGV)	Landed 7:13 AM			
7:05 AM	QZ7688	Jakarta (CG) AirAsia X	A320 (PK-AXF)	Landed 8:04 AM			
7:10 AM	IW1800	Semarang (I) Wings Air	AT75 (PK-WFJ)	Unknown			
7:10 AM	IW1814	Yogyakarta Wings Air	AT76 (PK-WHU)	Landed 6:56 AM			
7:10 AM	JT801	Makassar (I) Lion Air	B738 (PK-LPT)	Landed 7:24 AM			
7:15 AM	IN377	Bandung (E) Nam Air	735	Unknown			0715-0729
7:20 AM	JT367	Balikpapan Lion Air	B739 (PK-LFO)	Landed 7:29 AM			
7:25 AM	IN9377	Bandung (E) Nam Air	735	Unknown			
7:25 AM	JT918	Bandung (E) Lion Air	B738 (PK-LJQ)	Landed 7:20 AM			
7:25 AM	QG712	Jakarta (CG) Citilink	A20N (PK-GTG)	Landed 7:38 AM			
7:30 AM	ID6370	Jakarta (CG) Batik Air	A320 (PK-LUO)	Landed 7:35 AM	0730-0759	5	0730-0744
7:30 AM	JT748	Jakarta (CG) Lion Air	B739 (PK-LHH)	Landed 7:45 AM			
7:35 AM	GA449	Kupang (KC) Garuda Ind	B738 (PK-GMI)	Landed 7:33 AM			
7:50 AM	JT683	Palangka Raya Lion Air	B739 (PK-LHJ)	Landed 7:52 AM			0745-0759
7:55 AM	GA304	Jakarta (CG) Garuda Ind	B738 (PK-GFL)	Landed 7:50 AM			
8:15 AM	JT861	Palu (PLW) Lion Air	B739 (PK-LHO)	Landed 8:20 AM	0800-0829	4	0800-0814
8:20 AM	QZ7680	Jakarta (CG) AirAsia X	A320 (PK-AXF)	Landed 11:53 AM			0815-0829
8:20 AM	XT7680	Jakarta (CG) Indonesia AirAsia	320	Unknown			
8:20 AM	GA7303	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Landed 8:16 AM			
8:30 AM	JT805	Denpasar (I) Lion Air	(6C) B739 (PK-LJO)	Landed 8:24 AM	0830-0859	5	0830-0844
8:30 AM	SJ555	Ternate (T) Sriwijaya A	B738 (PK-CRI)	Landed 9:12 AM			
8:35 AM	JT645	Lombok (LC) Lion Air	B738 (PK-LKZ)	Landed 8:38 AM			
8:45 AM	JT731	Balikpapan Lion Air	(9C) B738 (PK-LKV)	Landed 9:30 AM			0845-0859
8:45 AM	JT859	Balikpapan Lion Airline	738	Unknown			
8:55 AM	QG821	Bandung (E) Citilink	A320 (PK-GQJ)	Landed 8:33 AM			
9:00 AM	GA306	Jakarta (CG) Garuda Ind	A332 (PK-GPQ)	Landed 8:55 AM	0900-0929	11	0900-0914
9:00 AM	IN243	Sampit Air (Nam Air)	735	Unknown			
9:00 AM	QG485	Banjarmasin Citilink	A320 (PK-GQR)	Landed 9:55 AM			
9:05 AM	TR264	Singapore (Scoot)	A320 (9V-TAZ)	Landed 9:06 AM			
9:10 AM	MH871	Kuala Lumpur (Malaysia AirAsia) A	B738 (9M-MLM)	Landed 9:11 AM			
9:10 AM	IW1872	Banjarmasin Wings Air	AT7	Unknown			
9:10 AM	JT315	Banjarmasin Lion Air	B739 (PK-LJH)	Landed 8:49 AM			
9:10 AM	SJ237	Sampit Air (Sriwijaya A)	735	Unknown			
9:15 AM	JT168	Kuala Lumpur Lion Air	B738 (PK-LKT)	Landed 9:27 AM			0915-0929
9:15 AM	QG714	Jakarta (CG) Citilink	A320 (PK-GQS)	Landed 9:00 AM			
9:15 AM	SQ930	Singapore (Singapore) A	A333 (9V-SSD)	Landed 9:33 AM			
9:35 AM	JT865	Lombok (LC) Lion Air	B739 (PK-LPF)	Landed 9:37 AM	0930-0959	6	0930-0944

9:45 AM	ID6572	Jakarta (CG Batik Air	A320 (PK-LAI)	Landed 10:37 AM	0945-0959	5	
9:45 AM	IW1805	Sampit Air (Wings Air	AT76 (PK-WGG)	Landed 9:19 AM			
9:45 AM	JT361	Balikpapan (Lion Air	B739 (PK-LFV)	Landed 9:50 AM			
9:50 AM	SJ233	Balikpapan (Sriwijaya A	733	Unknown			
9:55 AM	SJ565	Makassar (Sriwijaya A	735	Unknown			
10:00 AM	JT791	Makassar (Lion Air	B739 (PK-LJL)	Landed 10:58 AM	1000-1029	11 1000-1014	8
10:00 AM	QG431	Balikpapan (Citilink	A20N (PK-GTH)	Landed 9:44 AM			
10:00 AM	SJ254	Jakarta (CG Sriwijaya A	738	Unknown			
10:00 AM	JT1781	Makassar (Lion Airline	739	Unknown			
10:05 AM	QG695	Denpasar (Citilink	A20N (PK-GTG)	Landed 10:54 AM			
10:10 AM	GA341	Denpasar (Garuda Ind	B738 (PK-GMU)	Landed 9:49 AM			
10:10 AM	GA364	Semarang (Garuda Ind	CRJX (PK-GRN)	Landed 10:01 AM			
10:10 AM	IW1844	Yogyakarta (Wings Air	AT75 (PK-WFJ)	Unknown			
10:20 AM	IW1838	Semarang (Wings Air	AT76 (PK-WHU)	Landed 10:08 AM		1015-1029	1
10:30 AM	ID6137	Makassar (Batik Air	A320 (PK-LAL)	Landed 10:43 AM	1030-1059	8 1030-1044	3
10:35 AM	QG451	Palangkara (Citilink (Kaj	A320 (PK-GLC)	Landed 11:25 AM			
10:40 AM	JT692	Jakarta (CG Lion Air	B739 (PK-LGZ)	Landed 11:01 AM			
10:50 AM	ID6197	Makassar (Batik Air	A320 (PK-LAZ)	Landed 11:23 AM		1045-1059	5
10:50 AM	JT267	Tarakan (BT Lion Air	B38M (PK-LQI)	Landed 10:22 AM			
10:50 AM	QZ321	Kuala Lumpur (AirAsia X	A320 (PK-AXJ)	Landed 10:34 AM			
10:55 AM	GA308	Jakarta (CG Garuda Ind	B738 (PK-GMR)	Landed 10:42 AM			
10:55 AM	QG601	Kupang (KC Citilink	A20N (PK-GTD)	Landed 11:07 AM			
11:00 AM	JT983	Pekanbaru (Lion Air	B738 (PK-LPS)	Landed 10:46 AM	1100-1129	8 1100-1114	5
11:05 AM	ID6681	Samarinda (Batik Air	32A	Unknown			
11:05 AM	ID7513	Jakarta (HL Batik Air	B738 (PK-LDG)	Landed 10:51 AM			
11:05 AM	SJ335	Bandar Lampung (Sriwijaya A	738	Unknown			
11:10 AM	JT970	Batam (BT Lion Air	B739 (PK-LFK)	Landed 11:27 AM			
11:15 AM	GA7307	Jember (JB Garuda Ind	AT76 (PK-GAE)	Landed 11:10 AM		1115-1129	3
11:15 AM	QG417	Pontianak (Citilink	A320 (PK-GLZ)	Landed 11:04 AM			
11:20 AM	QG947	Batam (BT Citilink	A320 (PK-GLA)	Landed 11:35 AM			
11:30 AM	JT588	Jakarta (CG Lion Air (Dr	B739 (PK-LFG)	Landed 11:18 AM	1130-1159	8 1130-1144	5
11:35 AM	IW1808	Balikpapan (Wings Air	AT7	Unknown			
11:35 AM	JT365	Balikpapan (Lion Air	B739 (PK-LGL)	Landed 11:12 AM			
11:40 AM	IW1909	Labuan Bajo (Wings Air	AT7	Unknown			
11:40 AM	IN115	Kotabaru (Nam Air	AT7	Unknown			
11:45 AM	GA310	Jakarta (CG Garuda Ind	B738 (PK-GFQ)	Landed 11:32 AM		1145-1159	3
11:55 AM	SJ266	Jakarta (CG Sriwijaya A	B738 (PK-CMK)	Landed 12:53 PM			
11:55 AM	QG801	Semarang (Citilink	A320 (PK-GQR)	Landed 12:58 PM			
12:00 PM	ID6576	Jakarta (CG Batik Air	B739 (PK-LBG)	Landed 11:45 AM	1200-1229	10 1200-1214	5
12:00 PM	JT807	Makassar (Lion Air	B739 (PK-LGP)	Landed 11:59 AM			
12:05 PM	QZ393	Johor Bahru (AirAsia X	A320 (PK-AXI)	Landed 12:10 PM			
12:10 PM	JT177	Lombok (LC Lion Air (6C	B739 (PK-LJO)	Landed 12:05 PM			
12:10 PM	JT695	Kupang (KC Lion Air	B739 (PK-LGW)	Landed 12:14 PM			
12:15 PM	IW1873	Jember (JB Wings Air	AT76 (PK-WGG)	Landed 11:57 AM		1215-1229	5
12:15 PM	QG437	Balikpapan (Citilink	320	Unknown			
12:15 PM	QG671	Lombok (LC Citilink	A320 (PK-GQJ)	Landed 12:03 PM			
12:15 PM	QG697	Denpasar (Citilink	A320 (PK-GLU)	Landed 12:11 PM			
12:20 PM	JT227	Banjarmasin (Lion Air	B738 (PK-LKZ)	Landed 12:23 PM			
12:30 PM	JT269	Balikpapan (Malindo Ai	B738 (PK-LPV)	Landed 12:17 PM	1230-1259	11 1230-1244	6
12:35 PM	ID6413	Denpasar (Batik Air	A320 (PK-LUL)	Landed 1:01 PM			
12:35 PM	IN193	Pangkalpinang (Nam Air	735	Unknown			
12:35 PM	JT857	Palembang (Lion Air	B738 (PK-LPT)	Landed 12:20 PM			
12:35 PM	QG306	Makassar (Citilink	A20N (PK-GTA)	Landed 12:40 PM			
12:40 PM	JT923	Denpasar (Lion Air	B739 (PK-LPF)	Landed 1:25 PM			
12:45 PM	GA312	Jakarta (CG Garuda Ind	B738 (PK-GMC)	Landed 12:35 PM		1245-1259	5
12:45 PM	JT837	Pontianak (Lion Air	B738 (PK-LUJ)	Landed 12:26 PM			
12:50 PM	JT681	Palangkara (Lion Air	B739 (PK-LJH)	Landed 12:49 PM			
12:50 PM	JT694	Jakarta (CG Lion Airline	738	Unknown			

12:55 PM	QG433	Balikpapan	Citilink	320	Unknown				
1:10 PM	IW1834	Semarang	(Wings Air	AT75 (PK-WFJ)	Landed 1:52 PM	1300-1329	3	1300-1314	1
1:25 PM	QG716	Jakarta	(CG Citilink	A320 (PK-GQS)	Landed 1:21 PM			1315-1329	1
1:30 PM	JT313	Banjarmasi	Lion Air	B38M (PK-LQI)	Landed 2:25 PM	1330-1259	3	1330-1344	1
1:45 PM	SJ571	Makassar	(Sriwijaya A	735	Unknown			1345-1359	2
1:55 PM	JT749	Manado	(Lion Air	B739 (PK-LHH)	Delayed 2:54 PM				
2:00 PM	GA365	Lombok	(Garuda Ind	CRJX (PK-GRN)	Landed 1:45 PM	1400-1429	13	1400-1414	7
2:00 PM	ID6683	Samarinda	Batik Air	32A	Scheduled				
2:00 PM	QG347	Makassar	(Citilink	A320 (PK-GLQ)	Landed 2:15 PM				
2:00 PM	QG487	Banjarmasi	Citilink	A20N (PK-GTG)	Landed 2:29 PM				
2:05 PM	IW1881	Blimbingsa	Wings Air	AT76 (PK-WGU)	Landed 1:41 PM				
2:05 PM	JT363	Balikpapan	Lion Air	B739 (PK-LFV)	Delayed 2:36 PM				
2:10 PM	IN224	Semarang	(Nam Air	735	Scheduled				
2:15 PM	GA7305	Blimbingsa	Garuda Ind	AT76 (PK-GAE)	Landed 2:21 PM			1415-1429	6
2:20 PM	GA347	Denpasar	(Garuda Ind	B738 (PK-GMU)	Landed 2:07 PM				
2:20 PM	ID7042	Jakarta	(HL Batik Air	32A	Scheduled				
2:20 PM	ID7501	Jakarta	(HL Batik Air	A320 (PK-LUU)	Landed 2:00 PM				
2:20 PM	IW1809	Sumenep	- Wings Air	AT76 (PK-WGG)	Landed 2:08 PM				
2:25 PM	ID6406	Jakarta	(CG Batik Air	A320 (PK-LZG)	Landed 2:11 PM				
2:30 PM	GA314	Jakarta	(CG Garuda Ind	A332 (PK-GPQ)	Estimated 2:38 PM	1430-1459	5	1430-1444	5
2:35 PM	JT223	Baniarmasi	Lion Air	B739 (PK-LJL)	Estimated 2:48 PM				
2:35 PM	JT709	Makassar	(Lion Air	B739 (PK-LJF)	Delayed 3:05 PM				
2:35 PM	JT1797	Makassar	(Lion Airline	738	Scheduled				
2:35 PM	JT1709	Makassar	(Lion Airline	738	Scheduled				
2:45 PM	QZ327	Kuala Lumpur	AirAsia X	A320 (PK-AXH)	Estimated 2:33 PM			1445-1459	5
2:50 PM	MH873	Kuala Lumpur	Malaysia A	B738 (9M-MXJ)	Estimated 2:42 PM				
2:50 PM	SV3894	Jeddah	(JEI Saudia	B744 (TF-AAJ)	Estimated 2:42 PM				
2:50 PM	SJ544	Sorong	(SO Sriwijaya A	738	Scheduled				
2:55 PM	ID6131	Labuan Baj	Batik Air	A320 (PK-LAL)	Scheduled				
3:00 PM	SJ563	Makassar	(Sriwijaya A	733	Scheduled	1500-1529	5	1500-1514-	4
3:05 PM	GA316	Jakarta	(CG Garuda Ind	B738 (PK-GFS)	Estimated 2:44 PM				
3:05 PM	JT582	Jakarta	(CG Lion Airline	739	Scheduled				
3:10 PM	QG718	Jakarta	(CG Citilink	320	Scheduled			1515-1529	1
3:15 PM	JT917	Bandung	(E Lion Air	B738 (PK-LPS)	Delayed 3:32 PM				
3:30 PM	JT649	Lombok	(LC Lion Airline	739	Scheduled	1530-1559	10	1530-1544	4
3:35 PM	ID7515	Jakarta	(HL Batik Air	B738 (PK-LBK)	Scheduled				
3:35 PM	QG435	Balikpapan	Citilink	320	Scheduled				
3:35 PM	SJ255	Kupang	(KC Sriwijaya A	738	Scheduled				
3:45 PM	ID6155	Sorong	(SO Batik Air	A320 (PK-LUR)	Scheduled			1545-1559	6
3:45 PM	IW1356	Balikpapan	Wings Air	AT76 (PK-WHT)	Scheduled				
3:45 PM	JT261	Balikpapan	Lion Air	B739 (PK-LGL)	Scheduled				
3:50 PM	JT598	Jakarta	(CG Lion Airline	739	Scheduled				
3:50 PM	JT707	Makassar	(Lion Airline	739	Scheduled				
3:55 PM	QZ325	Kuala Lumpur	AirAsia X	A320 (PK-AXF)	Scheduled				
4:00 PM	GA630	Makassar	(Garuda Ind	CRK	Scheduled	1600-1629	9	1600-1614	8
4:00 PM	JT839	Pontianak	Lion Air	B738 (PK-LPU)	Estimated 3:44 PM				
4:05 PM	QG699	Denpasar	(Citilink	A320 (PK-GQQ)	Scheduled				
4:10 PM	IL711	Pangkalan	(Trigana Air	733	Scheduled				
4:10 PM	IW1846	Yogyakarta	Wings Air	AT7	Scheduled				
4:10 PM	JT377	Samarinda	Lion Airline	739	Scheduled				
4:10 PM	JT693	Kupang	(KC Lion Airline	739	Scheduled				
4:10 PM	JT863	Palangkara	Lion Airline	738	Scheduled				
4:20 PM	JT164	Kuala Lumpur	Lion Airline	738	Scheduled			1615-1629	1
4:40 PM	QG835	Majalengka	Citilink	320	Scheduled	1630-1659	6	1630-1644	1
4:45 PM	IN376	Denpasar	(Nam Air	735	Scheduled			1645-1659	6
4:45 PM	QG693	Denpasar	(Citilink (Kaj	A320 (PK-GLC)	Estimated 3:00 PM				
4:45 PM	QG949	Batam	(BT Citilink	320	Scheduled				
4:50 PM	ID6578	Jakarta	(CG Batik Air	32A	Scheduled				

4:50 PM	IN277	Denpasar (I Nam Air	735	Scheduled				
5:00 PM	GA372	Bandung (E Garuda Ind	738	Scheduled	1700-1729	12	1700-1714	5
5:00 PM	JT265	Balikpapan Lion Airline	739	Scheduled				
5:05 PM	JT972	Batam (BT Lion Airline	739	Scheduled				
5:10 PM	IN9277	Denpasar (I Nam Air	735	Scheduled				
5:10 PM	SJ259	Jayapura (I Sriwijaya A	733	Scheduled				
5:15 PM	ID7517	Jakarta (HL Batik Air	32A	Scheduled			1715-1729	7
5:15 PM	IW1812	Yogyakarta Wings Air	AT7	Scheduled				
5:15 PM	QG931	Pekanbaru Citilink	320	Scheduled				
5:20 PM	GA367	Semarang (Garuda Ind CRK		Scheduled				
5:20 PM	QG170	Jakarta (HL Citilink	320	Scheduled				
5:25 PM	GA448	Jakarta (CG Garuda Ind	738	Scheduled				
5:25 PM	JT950	Bandung (E Lion Airline	738	Scheduled				
5:30 PM	JT965	Lombok (LC Lion Airline	739	Scheduled	1730-1759	8	1730-1744	6
5:30 PM	QG720	Jakarta (CG Citilink	320	Scheduled				
5:30 PM	SJ239	Sampit Air(Sriwijaya A	735	Scheduled				
5:40 PM	CX781	Hong Kong Cathay Pac A333 (B-HLN)		Delayed 5:59 PM				
5:40 PM	IN245	Sampit Air(Nam Air	735	Scheduled				
5:40 PM	JT596	Jakarta (CG Lion Airline	738	Scheduled				
5:50 PM	GA320	Jakarta (CG Garuda Ind	738	Scheduled			1745-1759	2
5:50 PM	MI226	Singapore (SilkAir	738	Scheduled				
6:00 PM	GA7309	Yogyakarta Garuda Ind AT7		Scheduled	1800-1829	11	1800-1814	7
6:00 PM	JT855	Makassar (I Lion Airline	739	Scheduled				
6:05 PM	JT787	Makassar (I Lion Airline	739	Scheduled				
6:05 PM	JT1777	Makassar (I Lion Airline	738	Scheduled				
6:05 PM	QZ387	Penang (PE AirAsia X A320 (PK-AXJ)		Scheduled				
6:10 PM	JT225	Banjarmasi Lion Airline	738	Scheduled				
6:10 PM	SJ567	Makassar (I Sriwijaya A	735	Scheduled				
6:20 PM	IW1891	Pangkalan (I Wings Air	AT7	Scheduled			1815-1829	4
6:20 PM	JT696	Jakarta (CG Lion Airline	739	Scheduled				
6:20 PM	QG673	Lombok (LC Citilink	320	Scheduled				
6:20 PM	SJ253	Balikpapan Sriwijaya A	735	Scheduled				
6:30 PM	QG439	Balikpapan Citilink	320	Scheduled	1830-1859	7	1830-1844	3
6:30 PM	JT697	Kupang (KC Lion Airline	738	Scheduled				
6:40 PM	QG722	Jakarta (CG Citilink	320	Scheduled				
6:50 PM	GA322	Jakarta (CG Garuda Ind	738	Scheduled			1845-1859	4
6:50 PM	ID6175	Ambon (AN Batik Air	32A	Scheduled				
6:50 PM	ID6582	Jakarta (CG Batik Air	32A	Scheduled				
6:50 PM	QG172	Jakarta (HL Citilink	320	Scheduled				
7:00 PM	QG174	Jakarta (HL Citilink	320	Scheduled	1900-1929	9	1900-1914-	6
7:00 PM	JT319	Banjarmasi Lion Airline	739	Scheduled				
7:10 PM	JT259	Padang (PC Lion Airline	739	Scheduled				
7:10 PM	JT592	Jakarta (CG Lion Airline	739	Scheduled				
7:10 PM	QG419	Pontianak (Citilink	320	Scheduled			1915-1929	3
7:10 PM	QG441	Balikpapan Citilink	320	Scheduled				
7:15 PM	ID7509	Jakarta (HL Batik Air	32A	Scheduled				
7:20 PM	IW1817	Yogyakarta Wings Air	AT7	Scheduled				
7:20 PM	QG825	Bandung (E Citilink	320	Scheduled				
7:35 PM	QG489	Banjarmasi Citilink	320	Scheduled	1930-1959	2	1930-1944	1
7:50 PM	GA324	Jakarta (CG Garuda Ind	738	Scheduled			1945-1959-	1
8:00 PM	SJ256	Jakarta (CG Sriwijaya A	738	Scheduled	2000-2029	10	2000-2014	6
8:00 PM	JT919	Denpasar (I Lion Airline	739	Scheduled				
8:00 PM	QG176	Jakarta (HL Citilink	320	Scheduled				
8:05 PM	GA330	Jakarta (CG Garuda Ind	738	Scheduled				
8:05 PM	ID7519	Jakarta (HL Batik Air	738	Scheduled				
8:10 PM	3K249	Singapore (Jetstar Asia	320	Scheduled				
8:15 PM	SJ234	Yogyakarta Sriwijaya A	735	Scheduled			2015-2029	4
8:20 PM	GA349	Denpasar (I Garuda Ind CRK		Scheduled				

8:20 PM	ID6308	Jakarta (CG Batik Air)	32A	Scheduled				
8:20 PM	QG724	Jakarta (CG Citilink)	320	Scheduled				
8:55 PM	GA855	Singapore (Garuda Ind)	738	Scheduled	2030-2059	1 2030-2044	0	
9:00 PM	ID8580	Jakarta (CG Batik Air)	32A	Scheduled	2100-2129	12 2045-2059	1	
9:00 PM	QG987	Palembang (Citilink)	320	Scheduled		2100-2114	10	
9:05 PM	QG726	Jakarta (CG Citilink)	320	Scheduled				
9:10 PM	BI795	Brunei (BW Royal Brun)	320	Scheduled				
9:10 PM	GA326	Jakarta (CG Garuda Ind)	738	Scheduled				
9:10 PM	SJ226	Semarang (Sriwijaya A)	735	Scheduled				
9:10 PM	JT975	Lombok (LC Lion Airline)	738	Scheduled				
9:15 PM	ID7058	Jakarta (HL Batik Air)	32A	Scheduled		2115-2129	5	
9:15 PM	ID7082	Jakarta (HL Batik Air)	32A	Scheduled				
9:15 PM	ID7521	Jakarta (HL Batik Air)	32A	Scheduled				
9:20 PM	QZ8298	Kuala Lumpur (AirAsia X)	A320 (PK-AXI)	Scheduled				
9:25 PM	JT369	Balikpapan (Lion Airline)	739	Scheduled				
9:30 PM	QG807	Semarang (Citilink)	320	Scheduled	2130-2159	4 2130-2144	2	
9:35 PM	QG178	Jakarta (HL Citilink)	320	Scheduled		2145-2159	2	
9:45 PM	GA328	Jakarta (CG Garuda Ind)	738	Scheduled				
9:55 PM	CI751	Singapore (China Airlir A333 (B-18352))		Scheduled				
10:10 PM	QZ7625	Denpasar (AirAsia X)	A320 (PK-AXF)	Scheduled	2200-2229	6 2200-2214	1	
10:15 PM	IW1842	Yogyakarta (Wings Air)	AT4	Scheduled		2215-2229	5	
10:15 PM	JT590	Jakarta (CG Lion Airline)	739	Scheduled				
10:20 PM	QZ331	Kuala Lumpur (AirAsia X)	A320 (PK-AXH)	Scheduled				
10:25 PM	JT148	Bandar Lampung (Lion Airline)	739	Scheduled				
10:25 PM	SJ265	Denpasar (Sriwijaya A)	735	Scheduled				
10:30 PM	JT978	Medan (KN Lion Airline)	738	Scheduled	2230-2259	1 2230-2244	1	
						2245-2259	0	

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5:40 AM	QG710	Jakarta (CG Citilink)	320	Scheduled	0500-0529	0 0500-0514	0	
6:00 AM	ID6596	Jakarta (CG Batik Air)	32A	Scheduled	0530-0559	1 0515-0529	0	
6:20 AM	JT311	Banjarmasi (Lion Airline)	739	Scheduled	0600-0629	3 0530-0544	1	
6:20 AM	QG7261	Jakarta (CG Citilink)	320	Scheduled		0545-0559	0	
6:30 AM	JT690	Jakarta (CG Lion Airline)	739	Scheduled	0630-0659	5 0600-0614	1	
6:45 AM	SJ268	Jakarta (CG Sriwijaya A)	733	Scheduled		0615-0629	2	
6:45 AM	ID7511	Jakarta (HL Batik Air)	738	Scheduled		0630-0644	1	
6:50 AM	GA368	Makassar (Garuda Ind)	CRK	Scheduled		0645-0659	4	
6:50 AM	JT929	Denpasar (Lion Airline)	739	Scheduled				
7:00 AM	JT823	Lombok (LC Lion Airline)	738	Scheduled	0700-0729	12 0700-0714	7	
7:05 AM	GA302	Jakarta (CG Garuda Ind)	738	Scheduled				
7:05 AM	JT691	Kupang (KC Lion Airline)	739	Scheduled				
7:05 AM	QZ7688	Jakarta (CG AirAsia (W))	A320 (PK-AXS)	Scheduled				
7:10 AM	IW1800	Semarang (Wings Air)	AT4	Scheduled				
7:10 AM	IW1814	Yogyakarta (Wings Air)	AT4	Scheduled				
7:10 AM	JT801	Makassar (Lion Airline)	738	Scheduled				
7:15 AM	IN377	Bandung (ENam Air)	735	Scheduled		0715-0729	5	
7:20 AM	JT367	Balikpapan (Lion Airline)	739	Scheduled				
7:25 AM	IN9377	Bandung (ENam Air)	735	Scheduled				
7:25 AM	JT918	Bandung (E Lion Airline)	738	Scheduled				
7:25 AM	QG712	Jakarta (CG Citilink)	320	Scheduled				
7:30 AM	ID6370	Jakarta (CG Batik Air)	32A	Scheduled	0730-0759	5 0730-0744-	3	
7:30 AM	JT748	Jakarta (CG Lion Airline)	739	Scheduled				
7:35 AM	GA449	Kupang (KC Garuda Ind)	738	Scheduled				
7:50 AM	JT683	Palangkara (Lion Airline)	739	Scheduled		0745-0759	2	
7:55 AM	GA304	Jakarta (CG Garuda Ind)	738	Scheduled				
8:15 AM	JT861	Palu (PLW) (Lion Airline)	738	Scheduled	0800-0829	2 0800-0814	0	
8:20 AM	GA7303	Blimbingsa (Garuda Ind)	AT7	Scheduled		0815-0829	2	
8:30 AM	JT805	Denpasar (Lion Airline)	739	Scheduled	0830-0859	5 0830-0844	2	
8:35 AM	JT645	Lombok (LC Lion Airline)	738	Scheduled				

8:45 AM	JT731	Balikpapan Lion Airline	738	Scheduled		0845-0859	3
8:45 AM	JT859	Balikpapan Lion Airline	738	Scheduled			
8:55 AM	QG821	Bandung E Citilink	320	Scheduled			
9:00 AM	GA306	Jakarta (CG Garuda Ind)	332	Scheduled	0900-0929	11 0900-0914	8
9:00 AM	IN243	Sampit Air Nam Air	735	Scheduled			
9:00 AM	QG485	Banjarmasi Citilink	320	Scheduled			
9:05 AM	TR264	Singapore Scoot	320	Scheduled			
9:10 AM	MH871	Kuala Lumpur Malaysia AirAsia	738	Scheduled			
9:10 AM	IW1872	Banjarmasi Wings Air	AT4	Scheduled			
9:10 AM	JT315	Banjarmasi Lion Airline	739	Scheduled			
9:10 AM	SJ237	Sampit Air Sriwijaya Air	735	Scheduled			
9:15 AM	JT168	Kuala Lumpur Lion Airline	738	Scheduled		0915-0929	3
9:15 AM	QG714	Jakarta (CG Citilink)	320	Scheduled			
9:15 AM	SQ930	Singapore (Singapore)	333	Scheduled			
9:35 AM	JT865	Lombok (LC Lion Airline)	739	Scheduled	0930-0959	6 0930-0944	1
9:45 AM	ID6572	Jakarta (CG Batik Air)	32A	Scheduled		0945-0959	5
9:45 AM	IW1805	Sampit Air Wings Air	AT4	Scheduled			
9:45 AM	JT361	Balikpapan Lion Airline	739	Scheduled			
9:50 AM	SJ233	Balikpapan Sriwijaya Air	733	Scheduled			
9:55 AM	SJ565	Makassar (I Sriwijaya Air)	735	Scheduled			
10:00 AM	JT791	Makassar (I Lion Airline)	739	Scheduled	1000-1029	10 1000-1014	8
10:00 AM	QG431	Balikpapan Citilink	320	Scheduled			
10:00 AM	SJ254	Jakarta (CG Sriwijaya Air)	738	Scheduled			
10:00 AM	JT1781	Makassar (I Lion Airline)	739	Scheduled			
10:05 AM	QG695	Denpasar (I Citilink)	320	Scheduled			
10:10 AM	GA341	Denpasar (I Garuda Ind)	738	Scheduled			
10:10 AM	GA364	Semarang (I Garuda Ind) CRK		Scheduled			
10:10 AM	IW1844	Yogyakarta Wings Air	AT4	Scheduled			
10:20 AM	IW1838	Semarang (I Wings Air)	AT4	Scheduled		1015-1029	2
10:25 AM	GA308	Jakarta (CG Garuda Ind)	738	Scheduled			
10:30 AM	ID6137	Makassar (I Batik Air)	32A	Scheduled	1030-1059	7 1030-1044	3
10:35 AM	QG451	Palangkara Citilink	320	Scheduled			
10:40 AM	JT692	Jakarta (CG Lion Airline)	739	Scheduled			
10:50 AM	ID6197	Makassar (I Batik Air)	32A	Scheduled		1045-1059	4
10:50 AM	JT267	Tarakan (TI Lion Airline)	738	Scheduled			
10:50 AM	QZ321	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Scheduled			
10:55 AM	QG601	Kupang (KC Citilink)	320	Scheduled			
11:00 AM	JT983	Pekanbaru Lion Airline	738	Scheduled	1100-1129	9 1100-1114	8
11:00 AM	QG417	Pontianak Citilink	320	Scheduled			
11:05 AM	ID6681	Samarinda Batik Air	32A	Scheduled			
11:05 AM	ID7513	Jakarta (HL Batik Air)	738	Scheduled			
11:05 AM	SJ335	Bandar Lampung Sriwijaya Air	738	Scheduled			
11:10 AM	JT970	Batam (BTI Lion Airline)	739	Scheduled			
11:15 AM	GA7307	Jember (JB) Garuda Ind	AT7	Scheduled		1115-1129	3
11:20 AM	QG947	Batam (BTI Citilink)	320	Scheduled			
11:25 AM	IN117	Batu Lintang (I Nam Air)	AT7	Scheduled			
11:30 AM	JT588	Jakarta (CG Lion Airline)	7M8	Scheduled	1130-1159	6 1130-1144	4
11:35 AM	IW1808	Balikpapan Wings Air	AT4	Scheduled			
11:35 AM	JT365	Balikpapan Lion Airline	739	Scheduled			
11:40 AM	IW1909	Labuan Bajo Wings Air	AT4	Scheduled			
11:45 AM	GA310	Jakarta (CG Garuda Ind)	738	Scheduled		1145-1159	2
11:55 AM	QG801	Semarang (CG Citilink)	320	Scheduled			
12:00 PM	ID6576	Jakarta (CG Batik Air)	739	Scheduled	1200-1229	11 1200-1214	5
12:00 PM	JT807	Makassar (I Lion Airline)	739	Scheduled			
12:10 PM	JT177	Lombok (LC Lion Airline)	739	Scheduled			
12:10 PM	JT695	Kupang (KC Lion Airline)	739	Scheduled			
12:10 PM	QZ696	Jakarta (CG AirAsia X)	A320 (PK-AXI)	Scheduled			
12:15 PM	IW1873	Jember (JB) Wings Air	AT4	Scheduled		1215-1229	6

12:15 PM	QG671	Lombok (LC Citilink	320	Scheduled				
12:15 PM	QG697	Denpasar (Citilink	320	Scheduled				
12:15 PM	QG437	Balikpapan Citilink	320	Scheduled				
12:20 PM	JT227	Banjarmasi Lion Airline	738	Scheduled				
12:25 PM	SJ266	Jakarta (CG Sriwijaya A	733	Scheduled				
12:30 PM	JT269	Balikpapan Lion Airline	738	Scheduled	1230-1259	12 1230-1244		7
12:35 PM	ID6413	Denpasar (Batik Air	32A	Scheduled				
12:35 PM	IN193	Pangkalan Nam Air	735	Scheduled				
12:35 PM	JT857	Palembang Lion Airline	738	Scheduled				
12:35 PM	QG306	Makassar (Citilink	320	Scheduled				
12:40 PM	JT736	Denpasar (Lion Airline	739	Scheduled				
12:40 PM	JT923	Denpasar (Lion Airline	739	Scheduled				
12:45 PM	GA312	Jakarta (CG Garuda Ind	738	Scheduled	1245-1259		5	
12:45 PM	JT837	Pontianak Lion Airline	738	Scheduled				
12:50 PM	JT681	Palangkara Lion Airline	739	Scheduled				
12:50 PM	JT694	Jakarta (CG Lion Airline	738	Scheduled				
12:55 PM	QG433	Balikpapan Citilink	320	Scheduled				
1:10 PM	IW1834	Semarang (Wings Air	AT4	Scheduled	1300-1329	3 1300-1314		1
1:25 PM	QG716	Jakarta (CG Citilink	320	Scheduled		1315-1329		2
1:25 PM	3K247	Singapore (Jetstar Asia	320	Scheduled				
1:30 PM	JT313	Banjarmasi Lion Airline	739	Scheduled	1330-1259	3 1330-1344		1
1:45 PM	SJ571	Makassar (Sriwijaya A	735	Scheduled		1345-1359		2
1:55 PM	JT749	Manado (V Lion Airline	739	Scheduled				
2:00 PM	GA365	Lombok (LC Garuda Ind	CRK	Scheduled	1400-1429	13 1400-1414		7
2:00 PM	ID6683	Samarinda Batik Air	32A	Scheduled				
2:00 PM	QG487	Banjarmasi Citilink	320	Scheduled				
2:00 PM	QG347	Makassar (Citilink	320	Scheduled				
2:05 PM	IW1881	Blimbingsa Wings Air	AT4	Scheduled				
2:05 PM	JT363	Balikpapan Lion Airline	739	Scheduled				
2:10 PM	IN224	Surabaya (Garuda Ind	735	Scheduled				
2:15 PM	GA7305	Blimbingsa Garuda Ind	AT7	Scheduled	1415-1429		6	
2:20 PM	GA347	Denpasar (Garuda Ind	738	Scheduled				
2:20 PM	ID7042	Jakarta (HL Batik Air	32A	Scheduled				
2:20 PM	ID7501	Jakarta (HL Batik Air	32A	Scheduled				
2:20 PM	IW1809	Sumenep-M Wings Air	AT4	Scheduled				
2:25 PM	ID6406	Jakarta (CG Batik Air	32A	Scheduled				
2:30 PM	GA314	Jakarta (CG Garuda Ind	332	Scheduled	1430-1459	7 1430-1444		5
2:35 PM	JT223	Banjarmasi Lion Airline	738	Scheduled				
2:35 PM	JT709	Makassar (Lion Airline	738	Scheduled				
2:35 PM	JT1709	Makassar (Lion Airline	738	Scheduled				
2:35 PM	JT1797	Makassar (Lion Airline	738	Scheduled				
2:45 PM	QZ327	Kuala Lumpur AirAsia X	A320 (PK-AXJ)	Scheduled		1445-1459		2
2:50 PM	MH873	Kuala Lumpur Malaysia A	738	Scheduled				
3:00 PM	SJ563	Makassar (Sriwijaya A	733	Scheduled	1500-1529	5 1500-1514-		4
3:05 PM	GA316	Jakarta (CG Garuda Ind	738	Scheduled				
3:05 PM	JT582	Jakarta (CG Lion Airline	739	Scheduled				
3:10 PM	QG718	Jakarta (CG Citilink	320	Scheduled				
3:15 PM	JT917	Bandung (E Lion Airline	738	Scheduled		1515-1529		1
3:30 PM	JT649	Lombok (LC Lion Airline	739	Scheduled	1530-1559	10 1530-1544		4
3:35 PM	ID7515	Jakarta (HL Batik Air	738	Scheduled				
3:35 PM	QG435	Balikpapan Citilink	320	Scheduled				
3:35 PM	SJ255	Kupang (KC Sriwijaya A	738	Scheduled				
3:45 PM	ID6155	Sorong (SO Batik Air	32A	Scheduled		1545-1559		6
3:45 PM	IW1356	Balikpapan Wings Air	739	Scheduled				
3:45 PM	JT261	Balikpapan Lion Airline	739	Scheduled				
3:50 PM	JT707	Makassar (Lion Airline	739	Scheduled				
3:50 PM	JT598	Jakarta (CG Lion Airline	739	Scheduled				
3:55 PM	QZ325	Kuala Lumpur AirAsia X	A320 (PK-AXF)	Scheduled				

4:00 PM	GA630	Makassar (Garuda Ind	CRK	Scheduled	1600-1629	10	1600-1614	8
4:00 PM	JT839	Pontianak (Lion Airline	738	Scheduled				
4:05 PM	QG699	Denpasar (Citilink	320	Scheduled				
4:10 PM	IL711	Pangkalan (Trigana Air	733	Scheduled				
4:10 PM	IW1846	Yogyakarta (Wings Air	AT4	Scheduled				
4:10 PM	JT377	Samarinda (Lion Airline	739	Scheduled				
4:10 PM	JT693	Kupang (KC Lion Airline	739	Scheduled				
4:10 PM	JT863	Palangkara (Lion Airline	738	Scheduled				
4:20 PM	JT164	Kuala Lumpur (Lion Airline	738	Scheduled			1615-1629	2
4:25 PM	QZ395	Johor Bahru (AirAsia X	A320 (PK-AXH)	Scheduled				
4:40 PM	QG835	Majalengka (Citilink	320	Scheduled	1630-1659	7	1630-1644	1
4:45 PM	IN376	Denpasar (Nam Air	735	Scheduled			1645-1659	6
4:45 PM	QG949	Batam (BT Lion Airline	320	Scheduled				
4:50 PM	GA372	Bandung (E Garuda Ind	738	Scheduled				
4:50 PM	ID6578	Jakarta (CG Batik Air	32A	Scheduled				
4:50 PM	IN277	Denpasar (Nam Air	735	Scheduled				
4:50 PM	QG693	Denpasar (Citilink	320	Scheduled				
5:00 PM	GA318	Jakarta (CG Garuda Ind	332	Scheduled	1700-1729	12	1700-1714	5
5:00 PM	JT265	Balikpapan (Lion Airline	739	Scheduled				
5:05 PM	JT972	Batam (BT Lion Airline	739	Scheduled				
5:10 PM	IN9277	Denpasar (Nam Air	735	Scheduled				
5:10 PM	SJ259	Jayapura (Sriwijaya A	733	Scheduled				
5:15 PM	ID7517	Jakarta (HL Batik Air	32A	Scheduled	1715-1729	7		
5:15 PM	IW1812	Yogyakarta (Wings Air	AT4	Scheduled				
5:15 PM	QG931	Pekanbaru (Citilink	320	Scheduled				
5:20 PM	GA367	Semarang (Garuda Ind	CRK	Scheduled				
5:20 PM	QG170	Jakarta (HL Citilink	320	Scheduled				
5:25 PM	GA448	Jakarta (CG Garuda Ind	738	Scheduled				
5:25 PM	JT950	Bandung (E Lion Airline	738	Scheduled				
5:30 PM	QG720	Jakarta (CG Citilink	320	Scheduled	1730-1759	9	1730-1744	6
5:30 PM	SJ239	Sampit Air (Sriwijaya A	735	Scheduled				
5:30 PM	JT965	Lombok (LC Lion Airline	739	Scheduled				
5:40 PM	CX781	Hong Kong (Cathay Pac	333	Scheduled				
5:40 PM	IN245	Sampit Air (Nam Air	735	Scheduled				
5:40 PM	JT596	Jakarta (CG Lion Airline	738	Scheduled				
5:50 PM	GA320	Jakarta (CG Garuda Ind	738	Canceled			1745-1759	3
5:50 PM	MI226	Singapore (SilkAir	738	Scheduled				
5:50 PM	IN3770	Denpasar (Nam Air	735	Scheduled				
6:00 PM	GA7309	Yogyakarta (Garuda Ind	AT7	Scheduled	1800-1829	10	1800-1814	6
6:00 PM	JT855	Makassar (Lion Airline	739	Scheduled				
6:05 PM	JT787	Makassar (Lion Airline	739	Scheduled				
6:05 PM	JT1777	Makassar (Lion Airline	738	Scheduled				
6:10 PM	SJ567	Makassar (Sriwijaya A	735	Scheduled				
6:10 PM	JT225	Banjarmasi (Lion Airline	738	Scheduled				
6:20 PM	IW1891	Pangkalan (Wings Air	AT4	Scheduled	1815-1829	4		
6:20 PM	JT696	Jakarta (CG Lion Airline	739	Scheduled				
6:20 PM	QG673	Lombok (LC Citilink	320	Scheduled				
6:20 PM	SJ253	Balikpapan (Sriwijaya A	735	Scheduled				
6:30 PM	QG439	Balikpapan (Citilink	320	Scheduled	1830-1859	8	1830-1844	3
6:30 PM	JT697	Kupang (KC Lion Airline	738	Scheduled				
6:40 PM	QG722	Jakarta (CG Citilink	320	Scheduled				
6:45 PM	QZ323	Kuala Lumpur (Indonesia /	320	Scheduled			1845-1859	5
6:50 PM	GA322	Jakarta (CG Garuda Ind	738	Scheduled				
6:50 PM	ID6175	Amboin (AN Batik Air	32A	Scheduled				
6:50 PM	ID6582	Jakarta (CG Batik Air	32A	Scheduled				
6:50 PM	QG172	Jakarta (HL Citilink	320	Scheduled				
7:00 PM	JT319	Banjarmasi (Lion Airline	739	Scheduled	1900-1929	9	1900-1914-	5
7:00 PM	QG174	Jakarta (HL Citilink	320	Scheduled				

7:10 PM	QG419	Pontianak (Citilink)	320	Scheduled				
7:10 PM	QG441	Balikpapan Citilink	320	Scheduled				
7:10 PM	JT592	Jakarta (CG Lion Airline)	739	Scheduled				
7:15 PM	ID7509	Jakarta (HL Batik Air)	32A	Scheduled		1915-1929		4
7:20 PM	IW1817	Yogyakarta Wings Air	AT4	Scheduled				
7:20 PM	JT737	Manado (N Lion Airline)	739	Scheduled				
7:20 PM	QG825	Bandung (E Citilink)	320	Scheduled				
7:35 PM	QG489	Banjarmasi Citilink	320	Scheduled	1930-1959	3 1930-1944		1
7:45 PM	SJ234	Yogyakarta Sriwijaya A	735	Scheduled		1945-1959-		2
7:50 PM	GA324	Jakarta (CG Garuda Ind)	738	Canceled				
8:00 PM	SJ256	Jakarta (CG Sriwijaya A)	738	Scheduled	2000-2029	9 2000-2014		5
8:00 PM	JT919	Denpasar (Lion Airline)	739	Scheduled				
8:00 PM	QG176	Jakarta (HL Citilink)	320	Scheduled				
8:05 PM	GA330	Jakarta (CG Garuda Ind)	738	Scheduled				
8:05 PM	ID7519	Jakarta (HL Batik Air)	738	Scheduled				
8:20 PM	GA349	Denpasar (Garuda Ind)	CRK	Scheduled		2015-2029		4
8:20 PM	ID6308	Jakarta (CG Batik Air)	32A	Scheduled				
8:20 PM	QG724	Jakarta (CG Citilink)	320	Scheduled				
8:25 PM	IW1896	Semarang (Wings Air)	AT4	Scheduled				
8:30 PM	JT948	Batam (BT Lion Airline)	739	Scheduled	2030-2059	6 2030-2044		5
8:30 PM	SJ258	Jakarta (CG Sriwijaya A)	733	Scheduled				
8:40 PM	IN226	Semarang (Nam Air)	735	Scheduled		2045-2059		1
8:40 PM	JT727	Kendari (KL Lion Airline)	739	Scheduled				
8:40 PM	QG349	Makassar (Citilink)	320	Scheduled				
8:55 PM	GA855	Singapore (Garuda Ind)	738	Scheduled				
9:00 PM	ID8580	Jakarta (CG Batik Air)	32A	Scheduled	2100-2129	12 2100-2114		7
9:00 PM	QG987	Palembang Citilink	320	Scheduled				
9:05 PM	BI795	Brunei (BW Royal Brun)	320	Scheduled				
9:05 PM	QG726	Jakarta (CG Citilink)	320	Scheduled				
9:10 PM	GA326	Jakarta (CG Garuda Ind)	738	Scheduled				
9:10 PM	JT975	Lombok (LC Lion Airline)	738	Scheduled				
9:10 PM	SJ226	Semarang (Sriwijaya A)	735	Scheduled				
9:15 PM	ID7058	Jakarta (HL Batik Air)	32A	Scheduled		2115-2129		5
9:15 PM	ID7082	Jakarta (HL Batik Air)	32A	Scheduled				
9:15 PM	ID7521	Jakarta (HL Batik Air)	32A	Scheduled				
9:20 PM	QZ8298	Kuala Lumpur Indonesia /	320	Scheduled				
9:25 PM	JT369	Balikpapan Lion Airline	739	Scheduled				
9:30 PM	QG807	Semarang (Citilink)	320	Scheduled	2130-2159	4 2130-2144		2
9:35 PM	QG178	Jakarta (HL Citilink)	320	Scheduled				
9:45 PM	GA328	Jakarta (CG Garuda Ind)	738	Scheduled		2145-2159		2
9:55 PM	CI751	Singapore (China Airlin)	333	Scheduled				
10:10 PM	QZ7692	Jakarta (CG Indonesia /)	320	Scheduled	2200-2229	7 2200-2214		2
10:10 PM	QZ7625	Denpasar (Indonesia /)	320	Scheduled				
10:15 PM	IW1842	Yogyakarta Wings Air	AT4	Scheduled		2215-2229		5
10:15 PM	JT590	Jakarta (CG Lion Airline)	739	Scheduled				
10:20 PM	QZ331	Kuala Lumpur Indonesia /	320	Scheduled				
10:25 PM	JT148	Bandar Lampung Lion Airline	739	Scheduled				
10:25 PM	SJ265	Denpasar (Sriwijaya A)	735	Scheduled				
10:30 PM	JT978	Medan (KN Lion Airline)	738	Scheduled	2230-2259	1 2230-2244 2245-2259	1 0	

DEPARTURE

			Per 30 Menit	Per 15 Menit
Monday, Nov 12			266	
5:00:00 AM	QZ7681	Jakarta (CC AirAsia X A320 (PK-AXF)	Departed 5:08 AM	0500-0529 11 0500-0514 6
5:00:00 AM	XT7681	Jakarta (CC Indonesia / 320	Unknown	
5:00:00 AM	ID6150	Sorong (SO Batik Air A320 (PK-LAR)	Departed 5:10 AM	
5:00:00 AM	SJ257	Jakarta (CC Sriwijaya A B738 (PK-CMR)	Departed 5:12 AM	
5:05:00 AM	QG171	Jakarta (HL Citilink A320 (PK-GQS)	Departed 5:14 AM	
5:05:00 AM	QZ320	Kuala Lumpur AirAsia X A320 (PK-AXJ)	Departed 5:16 AM	
5:15:00 AM	GA631	Makassar (Garuda Ind CRJX (PK-GRJ)	Unknown	0515-0529 5
5:25:00 AM	GA303	Jakarta (CC Garuda Ind B738 (PK-GNO)	Departed 5:33 AM	
5:25:00 AM	JT708	Makassar (Lion Air B739 (PK-LGT)	Departed 5:35 AM	
5:25:00 AM	JT1708	Makassar (Lion Airline 739	Unknown	
5:25:00 AM	QG820	Bandung (f Citilink A320 (PK-GLQ)	Departed 5:31 AM	
5:30:00 AM	ID6401	Jakarta (CC Batik Air A320 (PK-LAW)	Departed 5:39 AM	0530-0559 7 0530-0544 3
5:30:00 AM	ID6896	Jakarta (CC Batik Air 32A	Unknown	
5:35:00 AM	QG416	Pontianak (Citilink A320 (PK-GQO)	Departed 5:48 AM	
5:45:00 AM	JT310	Banjarmasin (Lion Air B739 (PK-LIJ)	Departed 6:50 AM	0545-0559 4
5:45:00 AM	JT804	Denpasar (Lion Air B38M (PK-LQL)	Departed 6:23 AM	
5:45:00 AM	QG711	Jakarta (CC Citilink A320 (PK-GQJ)	Departed 5:55 AM	
5:55:00 AM	GA7302	Blimbingas Garuda Ind AT76 (PK-GAE)	Departed 5:59 AM	
6:00:00 AM	IW1804	Sampit Air Wings Air AT76 (PK-WGT)	Departed 6:13 AM	0600-0629 18 0600-0614 10
6:00:00 AM	IW1914	Surakarta (Wings Air AT76 (PK-WGU)	Departed 5:53 AM	
6:00:00 AM	JT979	Medan (KN Lion Air B739 (PK-LGJ)	Departed 6:32 AM	
6:00:00 AM	SJ566	Makassar (Sriwijaya A B735 (PK-CLF)	Departed 6:04 AM	
6:05:00 AM	CI752	Singapore (China Airliner A333 (B-18310)	Departed 6:07 AM	
6:05:00 AM	IN242	Sampit Air Nam Air 735	Unknown	
6:05:00 AM	JT360	Balikpapan (Lion Air B738 (PK-LKT)	Departed 6:09 AM	
6:10:00 AM	IL712	Pangkalan Trigana Air 734	Unknown	
6:10:00 AM	QG430	Balikpapan Citilink A20N (PK-GTE)	Departed 6:11 AM	
6:10:00 AM	QG484	Banjarmasin Citilink A320 (PK-GQL)	Departed 6:38 AM	
6:15:00 AM	GA305	Jakarta (CC Garuda Ind B738 (PK-GMS)	Departed 6:26 AM	0615-0629 8
6:15:00 AM	BI796	Brunei (BV Royal Brunei A20N (V8-RBD)	Departed 6:15 AM	
6:15:00 AM	ID6852	Jakarta (CC Batik Air 32A	Unknown	
6:15:00 AM	ID6597	Jakarta (CC Batik Air A320 (PK-LUZ)	Departed 6:29 AM	
6:20:00 AM	QG946	Batam (BTI Citilink A20N (PK-GTH)	Departed 6:27 AM	
6:20:00 AM	QZ324	Kuala Lumpur AirAsia X A320 (PK-AXI)	Departed 6:21 AM	
6:20:00 AM	SJ236	Sampit Air Sriwijaya A 735	Unknown	
6:25:00 AM	QG600	Kupang (KC Citilink 320	Unknown	
6:35:00 AM	QG450	Palangka Raya Citilink A320 (PK-GQF)	Departed 6:41 AM	0630-0659 5 0630-0644 1
6:45:00 AM	JT571	Jakarta (CC Lion Air B738 (PK-LKZ)	Departed 6:55 AM	0645-0659 4
6:55:00 AM	JT262	Balikpapan (Lion Air B739 (PK-LHW)	Departed 6:57 AM	
6:55:00 AM	JT690	Kupang (KC Lion Air B739 (PK-LJM)	Departed 7:17 AM	
6:55:00 AM	JT962	Lombok (L Lion Air (8C B738 (PK-LKP)	Departed 7:03 AM	
7:10:00 AM	QG346	Makassar (Citilink A320 (PK-GLV)	Departed 10:19 AM	0700-0729 3 0700-0714 1
7:20:00 AM	JT806	Makassar (Lion Air B739 (PK-LJJ)	Departed 7:29 AM	0715-0729 2
7:25:00 AM	ID7510	Jakarta (HL Batik Air B738 (PK-LBS)	Departed 7:48 AM	
7:30:00 AM	GA368	Semarang (Garuda Ind CRJX (PK-GRN)	Departed 7:46 AM	0730-0759 11 0730-0744 7
7:30:00 AM	IW1843	Yogyakarta (Wings Air AT75 (PK-WFJ)	Departed 7:41 AM	
7:30:00 AM	SJ268	Jayapura (Sriwijaya A 733	Unknown	
7:35:00 AM	ID6174	Ambon (AN Batik Air A320 (PK-LUW)	Departed 7:33 AM	
7:35:00 AM	ID6596	Ambon (AN Batik Air 738	Unknown	
7:35:00 AM	IW1839	Semarang (Wings Air AT76 (PK-WGQ)	Departed 7:36 AM	
7:40:00 AM	GA854	Singapore (Garuda Ind B738 (PK-GNQ)	Departed 7:52 AM	
7:45:00 AM	IN276	Denpasar (Nam Air 735	Unknown	0745-0759 4
7:45:00 AM	IN377	Denpasar (NAM Air B735 (PK-NAU)	Departed 7:54 AM	
7:50:00 AM	GA307	Jakarta (CC Garuda Ind B738 (PK-GMA)	Departed 7:58 AM	
7:55:00 AM	QG694	Denpasar (Citilink A320 (PK-GLJ)	Departed 9:14 AM	
8:00:00 AM	JT856	Palembang Malindo Air B738 (PK-LPV)	Departed 8:06 AM	0800-0829 8 0800-0814 6
8:05:00 AM	IN9276	Denpasar (Nam Air 735	Unknown	

8:05:00 AM	JT911	Bandung (F Lion Air	B738 (PK-LPS)	Departed 8:31 AM			
8:05:00 AM	JT971	Batam (BT Lion Air	B739 (PK-LGL)	Departed 8:28 AM			
8:10:00 AM	JT748	Manado (N Lion Air	B739 (PK-LGZ)	Departed 8:21 AM			
8:10:00 AM	JT929	Manado (N Lion Airline	739	Unknown			
8:20:00 AM	GA449	Jakarta (CC Garuda Ind	B738 (PK-GNC)	Departed 8:37 AM		0815-0829	2
8:20:00 AM	ID6391	Jakarta (CC Batik Air	A320 (PK-LUS)	Departed 8:29 AM			
8:30:00 AM	CX780	Hong Kong Cathay Pac	A333 (B-LA2)	Departed 8:54 AM	0829-0859	8 0830-0844	5
8:30:00 AM	JT264	Balikpapan Lion Air	B739 (PK-LJH)	Departed 8:51 AM			
8:30:00 AM	QZ695	Jakarta (CC AirAsia X	A320 (PK-AXH)	Departed 8:32 AM			
8:35:00 AM	JT836	Pontianak (Lion Air	B738 (PK-LPK)	Departed 8:41 AM			
8:40:00 AM	GA309	Jakarta (CC Garuda Ind	B738 (PK-GFS)	Departed 8:57 AM			
8:45:00 AM	GA984	Banda Aceh Garuda Ind	A333 (PK-GPG)	Departed 9:42 AM		0845-0859	3
8:50:00 AM	GA7306	Jember (JB Garuda Ind	AT76 (PK-GAE)	Departed 8:59 AM			
8:50:00 AM	QZ8297	Kuala Lumpur AirAsia X	A320 (PK-AXF)	Departed 9:02 AM			
9:00:00 AM	JT786	Makassar (Lion Air	B739 (PK-LGY)	Departed 9:07 AM	0900-0929	7 0900-0914	4
9:00:00 AM	JT852	Makassar (Lion Airline	739	Unknown			
9:00:00 AM	JT992	Makassar (Lion Airline	738	Unknown			
9:05:00 AM	JT573	Jakarta (CC Lion Air	B738 (PK-LPT)	Departed 9:11 AM			
9:20:00 AM	JT226	Banjarmasin Lion Air (9C	B738 (PK-LKV)	Departed 10:21 AM		0915-0929	3
9:25:00 AM	JT951	Bandung (F Lion Air	B738 (PK-LPR)	Departed 11:58 AM			
9:25:00 AM	QG670	Lombok (L Citilink	320	Unknown			
9:30:00 AM	JT646	Lombok (L Lion Air	B38M (PK-LQL)	Departed 9:39 AM	0930-0959	6 0930-0944	3
9:30:00 AM	QG800	Semarang (Citilink	A320 (PK-GLQ)	Departed 9:28 AM			
9:30:00 AM	QG432	Balikpapan Citilink	320	Unknown			
9:45:00 AM	QG713	Jakarta (CC Citilink	A320 (PK-GQJ)	Departed 10:30 AM		0945-0959	3
9:50:00 AM	JT680	Palangka Raya Lion Air	B739 (PK-LJL)	Departed 12:01 PM			
9:55:00 AM	TR265	Singapore (Scoot	A320 (9V-TRI)	Departed 9:57 AM			
10:00:00 AM	MH870	Kuala Lumpur Malaysia A	B738 (9M-MXN)	Departed 9:52 AM	1000-1029	7 1000-1014	5
10:00:00 AM	JT169	Kuala Lumpur Lion Air	B738 (PK-LOQ)	Departed 10:53 AM			
10:05:00 AM	GA311	Jakarta (CC Garuda Ind	A332 (PK-GPO)	Departed 10:15 AM			
10:10:00 AM	IW1872	Jember (JB Wings Air	AT76 (PK-WHO)	Departed 10:26 AM			
10:10:00 AM	SQ931	Singapore (Singapore	A333 (9V-SSG)	Departed 10:38 AM			
10:15:00 AM	JT922	Denpasar (Lion Air (8C	B738 (PK-LKP)	Departed 10:28 AM		1015-1029	2
10:25:00 AM	JT362	Balikpapan Lion Air	B738 (PK-LKT)	Departed 10:48 AM			
10:30:00 AM	IW1835	Semarang (Wings Air	AT75 (PK-WFJ)	Departed 11:54 AM	1030-1059	11 1030-1044	8
10:30:00 AM	JT116	Medina (M Lion Air	A333 (PK-LEH)	Departed 10:36 AM			
10:30:00 AM	JT312	Banjarmasin Lion Air	B38M (PK-LQO)	Departed 11:45 AM			
10:35:00 AM	ID6573	Jakarta (CC Batik Air	A320 (PK-LUP)	Departed 11:23 AM			
10:40:00 AM	IN225	Semarang (Nam Air	735	Unknown			
10:40:00 AM	QG715	Jakarta (CC Citilink	A20N (PK-GTE)	Departed 10:51 AM			
10:40:00 AM	SJ225	Semarang (Sriwijaya A	B738 (PK-CLS)	Unknown			
10:40:00 AM	SJ564	Makassar (Sriwijaya A	B738 (PK-CLA)	Departed 11:47 AM			
10:45:00 AM	IW1811	Yogyakarta Wings Air	AT76 (PK-WGQ)	Departed 10:59 AM		1045-1059	3
10:50:00 AM	GA364	Lombok (L Garuda Ind	CRJX (PK-GRN)	Departed 11:05 AM			
10:55:00 AM	SJ252	Balikpapan Sriwijaya A	735	Unknown			
11:00:00 AM	GA342	Denpasar (Garuda Ind	B738 (PK-GMR)	Departed 11:03 AM	1100-1129	8 1100-1114	6
11:00:00 AM	QG486	Banjarmasin Citilink	A320 (PK-GLJ)	Departed 12:12 PM			
11:00:00 AM	SJ254	Kupang (K Sriwijaya A	738	Unknown			
11:05:00 AM	JT3930	Denpasar (Lion Air	B38M (PK-LQM)	Departed 1:31 PM			
11:10:00 AM	GA313	Jakarta (CC Garuda Ind	B738 (PK-GMM)	Departed 11:21 AM			
11:10:00 AM	ID6130	Labuan Bajo Batik Air	A320 (PK-LUH)	Departed 12:24 PM			
11:15:00 AM	QZ386	Penang (PE AirAsia X	A320 (PK-AJX)	Departed 11:42 AM		1115-1129	2
11:20:00 AM	JT692	Kupang (K Lion Air	B739 (PK-LGM)	Departed 1:01 PM			
11:30:00 AM	QG930	Pekanbaru Citilink	320	Unknown	1130-1159	11 1130-1144	5
11:35:00 AM	ID6230	Makassar (Batik Air	A320 (PK-LUM)	Departed 6:51 PM			
11:35:00 AM	ID6284	Makassar (Batik Air	A320 (PK-LAM)	Departed 12:35 PM			
11:35:00 AM	JT222	Banjarmasin Lion Air (D	B739 (PK-LFF)	Departed 12:26 PM			
11:35:00 AM	QG434	Balikpapan Citilink	320	Unknown			
11:45:00 AM	GA7304	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed 11:52 AM		1145-1159	6
11:50:00 AM	ID7083	Jakarta (HL Batik Air	32A	Unknown			

11:50:00 AM	ID7512	Jakarta (HL Batik Air)	B738 (PK-LBS)	Departed 12:04 PM			
11:50:00 AM	JT973	Batam (BT Lion Air)	B739 (PK-LHV)	Departed 3:37 PM			
11:50:00 AM	QG717	Jakarta (CC Citilink)	A320 (PK-GLN)	Departed 12:09 PM			
11:50:00 AM	QG948	Batam (BT Citilink)	320	Unknown			
12:00:00 PM	IN116	Batu Licin (Nam Air)	ATR	Unknown	1200-1229	6 1200-1214	6
12:00:00 PM	IW1880	Blimbingsa Wings Air	AT76 (PK-WGU)	Departed 12:40 PM			
12:00:00 PM	SJ334	Bandar Lar Sriwijaya A	738	Unknown			
12:05:00 PM	JT260	Balikpapan Lion Air	B739 (PK-LHW)	Departed 12:17 PM			
12:10:00 PM	JT591	Jakarta (CC Lion Airline)	739	Canceled			
12:10:00 PM	JT916	Bandung (F Lion Air)	B738 (PK-LPM)	Departed 12:30 PM		1215-1229	0
12:30:00 PM	GA315	Jakarta (CC Garuda Ind	B738 (PK-GNS)	Departed 12:38 PM	1230-1259	11 1230-1244	5
12:35:00 PM	JT376	Samarinda Lion Airline	739	Unknown			
12:35:00 PM	QG834	Majalengka Citilink	320	Unknown			
12:40:00 PM	SJ269	Jakarta (CC Sriwijaya A	B738 (PK-CLS)	Departed 3:43 PM			
12:40:00 PM	ID6575	Jakarta (CC Batik Air)	B739 (PK-LBJ)	Departed 1:29 PM			
12:45:00 PM	IW1808	Sumenep-! Wings Air	AT76 (PK-WHO)	Departed 12:41 PM		1245-1259	6
12:45:00 PM	QG986	Palembang Citilink	A320 (PK-GQL)	Departed 12:57 PM			
12:50:00 PM	QZ322	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Departed 12:55 PM			
12:50:00 PM	JT706	Makassar (Lion Air)	B739 (PK-LJI)	Departed 1:07 PM			
12:55:00 PM	QG436	Balikpapan Citilink	320	Unknown			
12:55:00 PM	QG696	Denpasar (Citilink)	A320 (PK-GLR)	Departed 1:05 PM			
1:00:00 PM	JT178	Lombok (L Lion Air)	B738 (PK-LOM)	Departed 1:47 PM	1300-1329	4 1300-1314	3
1:05:00 PM	JT266	Balikpapan Lion Air (9C	B738 (PK-LKV)	Departed 2:16 PM			
1:10:00 PM	JT862	Palangkara Lion Airline	738	Unknown			
1:20:00 PM	QG692	Denpasar (Citilink)	A320 (PK-GQF)	Departed 11:40 AM		1315-1329	1
1:30:00 PM	GA317	Jakarta (CC Garuda Ind	B738 (PK-GFQ)	Departed 1:33 PM	1330-1259	12 1330-1344	9
1:30:00 PM	JT910	Denpasar (Lion Air (8C	B738 (PK-LKP)	Departed 1:58 PM			
1:30:00 PM	ID6412	Denpasar (Batik Air	A320 (PK-LAQ)	Departed 1:51 PM			
1:30:00 PM	IN192	Pangkalan Nam Air	735	Unknown			
1:30:00 PM	IW1845	Yogyakarta Wings Air	AT75 (PK-WFJ)	Departed 5:38 PM			
1:30:00 PM	IW1873	Denpasar (Wings Air	AT7	Unknown			
1:30:00 PM	JT736	Manado (N Lion Air	B739 (PK-LJM)	Departed 4:31 PM			
1:40:00 PM	JT694	Kupang (KC Lion Airline	738	Unknown			
1:40:00 PM	QG307	Makassar (Citilink	A320 (PK-GLQ)	Departed 4:41 PM			
1:50:00 PM	JT577	Jakarta (CC Malindo Ai	B738 (PK-LPV)	Departed 2:11 PM		1345-1359	3
1:50:00 PM	JT695	Jakarta (CC Lion Airline	738	Unknown			
1:50:00 PM	QG173	Jakarta (HL Citilink	A20N (PK-GTA)	Departed 2:05 PM			
2:00:00 PM	JT3910	Denpasar (Lion Airline	739	Unknown	1400-1429	4 1400-1414	3
2:00:00 PM	JT949	Batam (BT Lion Airline	738	Unknown			
2:10:00 PM	JT316	Banjarmasin Lion Air (Dr	B739 (PK-LFF)	Departed 4:00 PM			
2:20:00 PM	QG824	Bandung (F Citilink	A320 (PK-GQJ)	Departed 2:49 PM		1415-1429	1
2:30:00 PM	IW1897	Semarang (Wings Air	AT76 (PK-WGU)	Departed 3:40 PM	1430-1259	9 1430-1444	5
2:35:00 PM	JT749	Jakarta (CC Lion Air	B739 (PK-LGZ)	Departed 3:48 PM			
2:40:00 PM	GA365	Semarang (Garuda Ind	CRJX (PK-GRN)	Departed 2:44 PM			
2:40:00 PM	IW1890	Pangkalan Wings Air	AT76 (PK-WHO)	Departed 3:08 PM			
2:40:00 PM	SJ238	Sampit Air Sriwijaya A	735	Unknown			
2:45:00 PM	JT366	Balikpapan Lion Air	B738 (PK-LKT)	Departed 3:06 PM		1445-1459	4
2:45:00 PM	GA7308	Yogyakarta Garuda Ind	AT76 (PK-GAE)	Departed 3:03 PM			
2:45:00 PM	QG438	Balikpapan Citilink	320	Unknown			
2:50:00 PM	IN244	Sampit Air Nam Air	735	Unknown			
3:00:00 PM	JT864	Lombok (L Lion Air	B739 (PK-LJL)	Departed 4:43 PM	1500-1529	8 1500-1514	5
3:00:00 PM	QG175	Jakarta (HL Citilink	320	Unknown			
3:05:00 PM	ID7502	Jakarta (HL Batik Air	32A	Unknown			
3:05:00 PM	SJ232	Balikpapan Sriwijaya A	733	Unknown			
3:10:00 PM	QZ326	Kuala Lumpur AirAsia X	A320 (PK-AXF)	Departed 3:18 PM			
3:15:00 PM	JT220	Banjarmasin Lion Air	B738 (PK-LPK)	Departed 4:26 PM		1515-1529	3
3:15:00 PM	IW1809	Banjarmasin Wings Air	AT7	Unknown			
3:15:00 PM	JT268	Tarakan (TI Lion Air	B38M (PK-LQO)	Departed 3:46 PM			
3:30:00 PM	GA319	Jakarta (CC Garuda Ind	A332 (PK-GPN)	Departed 3:34 PM	1530-1559	5 1530-1544	4
3:35:00 PM	ID7508	Jakarta (HL Batik Air	A320 (PK-LUR)	Departed 4:58 PM			

3:35:00 PM	QG672	Lombok (L _C Citilink	A320 (PK-GLN)	Departed 6:11 PM				
3:40:00 PM	JT581	Jakarta (CC Lion Air	B739 (PK-LHP)	Departed 5:29 PM				
3:50:00 PM	GA321	Jakarta (CC Garuda Ind	B738 (PK-GMR)	Departed 3:52 PM		1545-1559		1
4:00:00 PM	JT318	Banjarmasi Lion Airline	739	Unknown	1600-1629	8	1600-1614	1
4:15:00 PM	SJ235	Yogyakarta Sriwijaya A	735	Unknown			1615-1629	7
4:15:00 PM	JT822	Lombok (L _C Lion Air	B738 (PK-LPM)	Departed 5:32 PM				
4:15:00 PM	JT982	Pekanbaru Lion Air	B739 (PK-LGS)	Departed 6:25 PM				
4:20:00 PM	ID7107	Jakarta (HL Batik Air	738	Unknown				
4:20:00 PM	ID7514	Jakarta (HL Batik Air	B738 (PK-LBS)	Departed 4:51 PM				
4:25:00 PM	GA344	Denpasar (Garuda Ind	B738 (PK-GFF)	Departed 4:33 PM				
4:25:00 PM	MI223	Singapore | SilkAir	B738 (9V-MGB)	Departed 4:39 PM				
4:30:00 PM	JT599	Jakarta (CC Lion Airline	739	Unknown	1630-1659	9	1630-1644	6
4:30:00 PM	JT722	Kendari (KI Lion Air	B739 (PK-LHW)	Departed 5:10 PM				
4:30:00 PM	QZ330	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Departed 4:35 PM				
4:35:00 PM	IW1816	Yogyakarta Wings Air	AT76 (PK-WHO)	Departed 7:00 PM				
4:35:00 PM	SJ255	Jakarta (CC Sriwijaya A	738	Unknown				
4:40:00 PM	SV3889	Jeddah (EI Saudia	B744 (TF-AAL)	Departed 5:06 PM				
4:45:00 PM	JT838	Pontianak | Lion Air	B738 (PK-LOJ)	Departed 5:34 PM		1645-1659		3
4:50:00 PM	JT364	Balikpapan | Lion Air	B738 (PK-LJS)	Departed 6:49 PM				
4:50:00 PM	JT693	Jakarta (CC Lion Air	B38M (PK-LQL)	Departed 6:07 PM				
5:00:00 PM	QG488	Banjarmasin Citilink	320	Unknown	1700-1729	5	1700-1714	3
5:00:00 PM	JT165	Kuala Lumpur Lion Airline	738	Unknown				
5:10:00 PM	GA338	Denpasar (Garuda Ind	CRJX (PK-GRM)	Unknown				
5:20:00 PM	QG348	Makassar (Citilink	A320 (PK-GQG)	Departed 6:24 PM		1715-1729		2
5:25:00 PM	ID7579	Jakarta (CC Garuda Ind	CRJX (PK-GRC)	Departed 5:48 PM				
5:30:00 PM	QG719	Jakarta (CC Citilink	A20N (PK-GTH)	Departed 5:36 PM	1730-1759	6	1730-1744	2
5:30:00 PM	JT642	Lombok (L _C Lion Airline	739	Unknown			1745-1759	4
5:45:00 PM	GA373	Bandung (E Garuda Ind	B738 (PK-GNM)	Departed 6:13 PM				
5:50:00 PM	IN376	Bandung (E Nam Air	735	Unknown				
5:50:00 PM	JT780	Makassar (Lion Airline	739	Unknown				
5:55:00 PM	IN9376	Bandung (E Nam Air	735	Unknown				
6:00:00 PM	GA323	Jakarta (CC Garuda Ind	A332 (PK-GPO)	Departed 6:14 PM	1800-1829	12	1800-1814	6
6:00:00 PM	GA367	Makassar (Garuda Ind	CRJX (PK-GRN)	Departed 5:58 PM				
6:00:00 PM	QG418	Pontianak | Citilink	A320 (PK-GQP)	Departed 5:16 PM				
6:05:00 PM	JT730	Balikpapan | Lion Air	B738 (PK-LOG)	Departed 8:05 PM				
6:05:00 PM	JT858	Balikpapan | Lion Airline	738	Unknown				
6:10:00 PM	QG698	Denpasar (Citilink	A320 (PK-GQF)	Departed 6:16 PM				
6:15:00 PM	JT149	Bandar Lampung | Lion Air	B739 (PK-LPH)	Departed 6:42 PM		1815-1829		6
6:20:00 PM	GA448	Kupang (KC Garuda Ind	B738 (PK-GFU)	Departed 6:22 PM				
6:20:00 PM	JT704	Makassar (Lion Air	B738 (PK-LPR)	Departed 8:53 PM				
6:25:00 PM	ID6581	Jakarta (CC Batik Air	A320 (PK-LAR)	Departed 6:38 PM				
6:25:00 PM	IN227	Semarang | NAM Air	B735 (PK-NAP)	Departed 7:26 PM				
6:25:00 PM	SJ259	Jakarta (CC Sriwijaya A	733	Unknown				
6:30:00 PM	QG177	Jakarta (HL Citilink	A320 (PK-GQU)	Departed 7:04 PM	1830-1859	8	1830-1844	5
6:30:00 PM	QZ7693	Jakarta (CC AirAsia X	A320 (PK-AXJ)	Departed 6:29 PM				
6:40:00 PM	GA325	Jakarta (CC Garuda Ind	B738 (PK-GMC)	Departed 6:46 PM				
6:40:00 PM	JT682	Palangka Raya | Lion Air	B739 (PK-LGL)	Departed 7:09 PM				
6:40:00 PM	MI225	Singapore | SilkAir	B738 (9V-MGI)	Departed 7:23 PM				
6:45:00 PM	ID7516	Jakarta (HL Batik Air	32A	Unknown		1845-1859		3
6:50:00 PM	SJ227	Semarang | Sriwijaya A	735	Unknown				
6:55:00 PM	QG806	Semarang | Citilink	320	Unknown				
7:00:00 PM	JT696	Kupang (KC Lion Air	B739 (PK-LHT)	Departed 7:45 PM	1900-1929	6	1900-1914	3
7:10:00 PM	QG721	Jakarta (CC Citilink	A20N (PK-GTI)	Departed 7:37 PM				
7:10:00 PM	SJ264	Denpasar (Sriwijaya A	735	Unknown				
7:15:00 PM	JT697	Jakarta (CC Lion Air	B738 (PK-LPK)	Departed 8:24 PM		1915-1929		3
7:15:00 PM	QZ7624	Denpasar (AirAsia X	A320 (PK-AKH)	Departed 7:38 PM				
7:25:00 PM	JT2661	Haikou (HA Lion Airline	739	Unknown				
7:30:00 PM	IW1813	Yogyakarta Wings Air	AT7	Unknown	1930-1959	11	1930-1944	6
7:35:00 PM	GA327	Jakarta (CC Garuda Ind	B738 (PK-GFY)	Departed 8:00 PM				
7:35:00 PM	JT2663	Sanya (SYX) Lion Airline	739	Unknown				

7:40:00 PM	IW1801	Semarang | Wings Air	AT75 (PK-WFJ)	Departed 8:55 PM			
7:40:00 PM	QG179	Jakarta (HL Citilink	A320 (PK-GLT)	Departed 9:18 PM			
7:40:00 PM	QG440	Balikpapan Citilink	A320 (PK-GLZ)	Departed 7:33 PM			
7:45:00 PM	JT585	Jakarta (CC Lion Airline	739	Unknown		1945-1959	5
7:45:00 PM	JT737	Denpasar (Lion Air	B739 (PK-LKO)	Unknown			
7:45:00 PM	JT990	Denpasar (Lion Air	B739 (PK-LOF)	Departed 9:25 PM			
7:55:00 PM	ID6175	Jakarta (CC Batik Air	32A	Unknown			
7:55:00 PM	ID7520	Jakarta (CC Batik Air	A320 (PK-LAJ)	Departed 8:20 PM			
8:00:00 PM	QG723	Jakarta (CC Citilink	320	Unknown	2000-2029	1 2000-2014	1
8:30:00 PM	GA329	Jakarta (CC Garuda Ind	B738 (PK-GFL)	Departed 8:30 PM	2030-2059	6 2015-2029	0
8:30:00 PM	QG725	Jakarta (CC Citilink	A320 (PK-GLX)	Departed 9:23 PM		2030-2044	2
8:45:00 PM	SJ267	Jakarta (CC Sriwijaya A	B738 (PK-CMU)	Departed 9:30 PM		2045-2059	4
8:50:00 PM	IW1847	Yogyakarta Wings Air	AT76 (PK-WJJ)	Departed 9:59 PM			
8:55:00 PM	GA331	Jakarta (CC Garuda Ind	738	Canceled			
8:55:00 PM	ID7518	Jakarta (HL Batik Air	738	Unknown			
9:00:00 PM	3K250	Singapore | Jetstar Airv	A320 (9V-JSP)	Departed 9:15 PM	2100-2129	5 2100-2114	2
9:10:00 PM	ID6309	Jakarta (CC Batik Air	32A	Unknown			
9:15:00 PM	QG727	Jakarta (CC Citilink	320	Unknown		2115-2129	3
9:25:00 PM	SJ570	Makassar (Sriwijaya A	B738 (PK-CMW)	Departed 9:41 PM			
9:25:00 PM	SJ562	Makassar (Sriwijaya A	733	Unknown			
9:30:00 PM	JT595	Jakarta (CC Lion Air	B738 (PK-LKP)	Departed 10:21 PM	2130-2159	2 2130-2144	1
9:45:00 PM	ID6583	Jakarta (CC Garuda Ind	CRJX (PK-GRC)	Departed 10:02 PM		2145-2159	1
10:00:00 PM	ID6136	Makassar (Batik Air	A320 (PK-LUH)	Departed 10:26 PM	2200-2229	5 2200-2214	2
10:00:00 PM	ID8196	Makassar (Batik Air	32A	Unknown			
10:25:00 PM	JT880	Makassar (Lion Airline	739	Unknown		2215-2229	3
10:25:00 PM	JT800	Makassar (Lion Air	B739 (PK-LHW)	Departed 10:34 PM			
10:25:00 PM	JT1798	Makassar (Lion Airline	739	Unknown			
10:35:00 PM	JT821	Jakarta (CC Lion Airline	738	Unknown	2230-2259	2 2230-2244	1
10:45:00 PM	JT3780	Makassar (Lion Air	B739 (PK-LGO)	Departed 10:47 PM		2245-2259	1

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5:00:00 AM	ID6150	Sorong (SO Batik Air	A320 (PK-LUL)	Departed 5:15 AM	0500-0529	9 0500-0514	4
5:00:00 AM	SJ257	Jakarta (CC Sriwijaya A	738	Unknown			
5:05:00 AM	QG171	Jakarta (HL Citilink	A320 (PK-GLR)	Departed 5:10 AM			
5:05:00 AM	QZ320	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Departed 5:08 AM			
5:15:00 AM	GA631	Makassar (Garuda Ind	CRJX (PK-GRM)	Unknown		0515-0529	5
5:25:00 AM	GA303	Jakarta (CC Garuda Ind	B738 (PK-GMP)	Departed 5:28 AM			
5:25:00 AM	JT708	Makassar (Lion Air	B738 (PK-LKT)	Departed 5:23 AM			
5:25:00 AM	JT1708	Makassar (Lion Airline	739	Unknown			
5:25:00 AM	QG820	Bandung (E Citilink	A320 (PK-GQL)	Departed 5:38 AM			
5:30:00 AM	ID6401	Jakarta (CC Batik Air	A320 (PK-LUW)	Departed 5:42 AM	0530-0559	7 0530-0544	3
5:30:00 AM	ID6896	Jakarta (CC Batik Air	32A	Unknown			
5:35:00 AM	QG416	Pontianak | Citilink	A320 (PK-GLA)	Departed 5:39 AM			
5:45:00 AM	JT310	Banjarmasin Lion Air	B739 (PK-LPH)	Departed 7:05 AM		0545-0559	4
5:45:00 AM	JT804	Denpasar (Lion Air	B739 (PK-LJJ)	Departed 5:59 AM			
5:45:00 AM	QG711	Jakarta (CC Citilink	A320 (PK-GQM)	Departed 5:54 AM			
5:55:00 AM	GA7302	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed 5:56 AM			
6:00:00 AM	IW1804	Sampit Air| Wings Air	AT76 (PK-WHO)	Departed 7:07 AM	0600-0629	16 0600-0614	8
6:00:00 AM	JT979	Medan (KN Lion Air	B739 (PK-LKO)	Departed 6:49 AM			
6:05:00 AM	CI752	Singapore | China Airline	A333 (B-18359)	Departed 6:17 AM			
6:05:00 AM	IN242	Sampit Air| NAM Air	B735 (PK-NAP)	Departed 6:21 AM			
6:05:00 AM	JT360	Balikpapan Lion Air	B739 (PK-LJK)	Departed 6:04 AM			
6:10:00 AM	IL712	Pangkalan Trigana Air	734	Unknown			
6:10:00 AM	QG430	Balikpapan Citilink	A320 (PK-GLN)	Departed 6:14 AM			
6:10:00 AM	QG484	Banjarmasin Citilink	A20N (PK-GTA)	Departed 6:23 AM			
6:15:00 AM	BI796	Brunei (BN Royal Brunei	A320 (V8-RBW)	Departed 6:05 AM		0615-0629	8
6:15:00 AM	GA305	Jakarta (CC Garuda Ind	B738 (PK-GNV)	Departed 6:31 AM			
6:15:00 AM	ID6597	Jakarta (CC Batik Air	A320 (PK-LAK)	Departed 6:29 AM			
6:15:00 AM	ID6852	Jakarta (CC Batik Air	32A	Unknown			
6:20:00 AM	GA974	Banda Aceh Garuda Ind	A333 (PK-GPF)	Departed 7:03 AM			

6:20:00 AM	QG946	Batam (BT Citilink	A20N (PK-GTH)	Departed 6:36 AM			
6:20:00 AM	SJ236	Sampit Air Sriwijaya A	735	Unknown			
6:25:00 AM	QG600	Kupang (KC Citilink	A320 (PK-GQF)	Departed 6:41 AM			
6:35:00 AM	QG450	Palangkara Citilink	A320 (PK-GLJ)	Departed 6:51 AM	0630-0659	6 0630-0644	1
6:45:00 AM	JT571	Jakarta (CC Lion Air	B738 (PK-LOM)	Departed 7:23 AM		0645-0659	4
6:45:00 AM	QZ392	Johor Bahru AirAsia X	A320 (PK-AXJ)	Departed 7:01 AM			
6:55:00 AM	JT262	Balikpapan Lion Air (5C	B739 (PK-LHY)	Departed 7:54 AM			
6:55:00 AM	JT690	Kupang (KC Lion Air	B739 (PK-LFS)	Departed 7:20 AM			
6:55:00 AM	JT962	Lombok (L Lion Air	B739 (PK-LHM)	Departed 6:59 AM			
7:10:00 AM	IW1908	Labuan Baj Wings Air	AT76 (PK-WGU)	Departed 7:25 AM	0700-0729	4 0700-0714	2
7:10:00 AM	QG346	Makassar (Citilink	A320 (PK-GQU)	Departed 7:11 AM		0715-0729	2
7:20:00 AM	JT806	Makassar (flynas	B739 (PK-LPI)	Departed 7:47 AM			
7:25:00 AM	ID7510	Jakarta (HL Batik Air	B738 (PK-LBS)	Departed 7:52 AM			
7:30:00 AM	GA368	Semarang (Garuda Ind	CRJX (PK-GRI)	Unknown	0730-0759	13 0730-0744	9
7:30:00 AM	IW1843	Yogyakarta Wings Air	AT76 (PK-WJJ)	Departed 7:34 AM			
7:30:00 AM	QZ7689	Jakarta (CC AirAsia	A320 (PK-AZH)	Departed 7:31 AM			
7:30:00 AM	SJ268	Jayapura (I Sriwijaya A	733	Unknown			
7:30:00 AM	SJ545	Sorong (SQ Sriwijaya A	738	Unknown			
7:35:00 AM	ID6174	Ambon (AH Batik Air	A320 (PK-LUV)	Departed 7:41 AM			
7:35:00 AM	ID6596	Ambon (AH Batik Air	738	Unknown			
7:35:00 AM	IW1839	Surabaya (Wings Air	AT75 (PK-WFJ)	Departed 7:44 AM			
7:40:00 AM	GA854	Singapore (Garuda Ind	B738 (PK-GFR)	Departed 7:50 AM			
7:45:00 AM	IN276	Denpasar (Nam Air	735	Unknown	0745-0759	4	
7:45:00 AM	IN377	Denpasar (Nam Air	735	Unknown			
7:50:00 AM	GA307	Jakarta (CC Garuda Ind	B738 (PK-GMQ)	Departed 7:58 AM			
7:55:00 AM	QG694	Denpasar (Citilink	A320 (PK-GLI)	Departed 8:34 AM			
8:00:00 AM	JT856	Palembang Lion Air	B738 (PK-LPR)	Departed 8:07 AM	0800-0829	8 0800-0814	6
8:05:00 AM	IN9276	Denpasar (Nam Air	735	Unknown			
8:05:00 AM	JT911	Bandung (E Lion Air	B738 (PK-LPS)	Departed 9:21 AM			
8:05:00 AM	JT971	Batam (BT Lion Air	B739 (PK-LGK)	Departed 8:18 AM			
8:10:00 AM	JT748	Manado (N Lion Air	B739 (PK-LGT)	Departed 9:57 AM			
8:10:00 AM	JT929	Manado (N Lion Airline	739	Unknown			
8:20:00 AM	GA449	Jakarta (CE Garuda Ind	B738 (PK-GFU)	Departed 8:41 AM		0815-0829	2
8:20:00 AM	ID6391	Jakarta (CC Batik Air	A320 (PK-LAJ)	Departed 8:49 AM			
8:30:00 AM	CX780	Hong Kong Cathay Pac	A333 (B-HLU)	Departed 8:46 AM	0830-0859	6 0830-0844	4
8:30:00 AM	JT264	Balikpapan Lion Air	B739 (PK-LGL)	Departed 8:52 AM			
8:35:00 AM	JT836	Pontianak (Lion Air	B738 (PK-LPM)	Departed 8:45 AM			
8:40:00 AM	GA309	Jakarta (CC Garuda Ind	B738 (PK-GNS)	Departed 9:00 AM			
8:50:00 AM	GA7306	Jember (JB Garuda Ind	AT76 (PK-GAE)	Departed 9:02 AM		0845-0859	2
8:50:00 AM	QZ8297	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Departed 8:55 AM			
9:00:00 AM	JT786	Makassar (Lion Air	B739 (PK-LHT)	Departed 9:06 AM	0900-0929	7 0900-0914	4
9:00:00 AM	JT852	Makassar (Lion Airline	739	Unknown			
9:00:00 AM	JT992	Makassar (Lion Airline	738	Unknown			
9:05:00 AM	JT573	Jakarta (CC Lion Air (9C	B738 (PK-LKV)	Departed 9:12 AM			
9:20:00 AM	JT226	Banjarmasin Lion Air (8C	B738 (PK-LKP)	Departed 9:32 AM		0915-0929	3
9:25:00 AM	JT951	Bandung (E Lion Air	B738 (PK-LPK)	Departed 10:33 AM			
9:25:00 AM	QG670	Lombok (L Citilink	320	Unknown			
9:30:00 AM	JT646	Lombok (L Lion Air	B739 (PK-LJL)	Departed 9:36 AM	0930-0959	7 0930-0944	4
9:30:00 AM	QG800	Surabaya (Citilink	A20N (PK-GTA)	Departed 9:39 AM			
9:30:00 AM	SJ554	Ternate (T Sriwijaya A	B738 (PK-CLA)	Departed 10:41 AM			
9:30:00 AM	QG432	Balikpapan Citilink	320	Unknown		0945-0959	3
9:45:00 AM	QG713	Jakarta (CC Citilink	A320 (PK-GQM)	Departed 10:28 AM			
9:50:00 AM	JT680	Palangkara Lion Air	B739 (PK-LPH)	Departed 10:43 AM			
9:55:00 AM	TR265	Singapore (Scoot	A320 (9V-TAO)	Departed 10:31 AM			
10:00:00 AM	JT169	Kuala Lumpur Lion Air	B738 (PK-LOQ)	Departed 10:23 AM	1000-1029	7 1000-1014	5
10:00:00 AM	MH870	Kuala Lumpur Malaysia A	B738 (9M-MLG)	Departed 9:45 AM			
10:05:00 AM	GA311	Jakarta (CC Garuda Ind	A332 (PK-GPM)	Departed 10:07 AM			
10:10:00 AM	IW1872	Jember (JB Wings Air	AT76 (PK-WHO)	Departed 11:02 AM			
10:10:00 AM	SQ931	Singapore (Singapore	A333 (9V-STZ)	Departed 10:50 AM			
10:15:00 AM	JT922	Denpasar (Lion Air	B739 (PK-LHM)	Departed 10:48 AM		1015-1029	2

10:25:00 AM	JT362	Balikpapan Lion Air	B739 (PK-LGY)	Departed 11:41 AM			
10:30:00 AM	IW1835	Semarang | Wings Air	AT76 (PK-WJJ)	Departed 11:08 AM	1030-1059	11 1030-1044	8
10:30:00 AM	JT312	Banjarmasi Lion Air	B738 (PK-LJR)	Departed 11:31 AM			
10:35:00 AM	ID6573	Jakarta (CC Batik Air	A320 (PK-LAK)	Departed 11:22 AM			
10:40:00 AM	IN225	Surabaya | Nam Air	735	Unknown			
10:40:00 AM	QG715	Jakarta (CC Citilink	A320 (PK-GLN)	Departed 10:47 AM			
10:40:00 AM	SJ225	Semarang | Sriwijaya A	738	Unknown			
10:40:00 AM	SJ564	Makassar (Sriwijaya A	733	Unknown			
10:40:00 AM	SJ566	Makassar (Sriwijaya A	735	Unknown			
10:45:00 AM	IW1811	Yogyakarta Wings Air	AT75 (PK-WFJ)	Departed 10:56 AM	1045-1059	3	
10:50:00 AM	GA364	Lombok (L Garuda Ind	CRJX (PK-GRI)	Unknown			
10:55:00 AM	SJ252	Balikpapan Sriwijaya A	735	Unknown			
11:00:00 AM	GA342	Denpasar (Garuda Ind	B738 (PK-GNM)	Departed 11:16 AM	1100-1129	7 1100-1114	5
11:00:00 AM	QG486	Banjarmasi Citilink	A320 (PK-GLI)	Departed 11:48 AM			
11:00:00 AM	SJ254	Kupang (KC Sriwijaya A	738	Unknown			
11:05:00 AM	JT3930	Denpasar (Lion Airline	7M8	Unknown			
11:10:00 AM	GA313	Jakarta (CC Garuda Ind	B738 (PK-GMU)	Departed 11:28 AM			
11:15:00 AM	QZ386	Penang (PE AirAsia X	A320 (PK-AXF)	Departed 11:19 AM	1115-1129	2	
11:20:00 AM	JT692	Kupang (KC Lion Air	B739 (PK-LGW)	Departed 11:59 AM			
11:30:00 AM	QG930	Pekanbaru Citilink	320	Unknown	1130-1159	10 1130-1144	5
11:35:00 AM	ID6230	Makassar (Batik Air	738	Unknown			
11:35:00 AM	ID6284	Makassar (Batik Air	A320 (PK-LUO)	Departed 11:58 AM			
11:35:00 AM	JT222	Banjarmasi Lion Air	B739 (PK-LFT)	Departed 12:23 PM			
11:35:00 AM	QG434	Balikpapan Citilink	320	Unknown			
11:50:00 AM	ID7083	Jakarta (HI Batik Air	32A	Unknown	1145-1159	5	
11:50:00 AM	ID7512	Jakarta (HI Batik Air	B738 (PK-LBS)	Departed 12:25 PM			
11:50:00 AM	JT973	Batam (BT Lion Air	B739 (PK-LHO)	Departed 12:16 PM			
11:50:00 AM	QG717	Jakarta (CC Citilink	A320 (PK-GQF)	Departed 12:09 PM			
11:50:00 AM	QG948	Batam (BT Citilink	320	Unknown			
12:00:00 PM	IW1880	Blimbingsa Wings Air	AT76 (PK-WGU)	Departed 12:19 PM	1200-1229	6 1200-1214	6
12:00:00 PM	SJ334	Bandar Lampung Sriwijaya A	738	Unknown		1215-1229	0
12:05:00 PM	JT260	Balikpapan Lion Air (5C	B739 (PK-LHY)	Departed 12:29 PM			
12:10:00 PM	IN114	Kotabaru (I Nam Air	AT7	Unknown			
12:10:00 PM	JT591	Jakarta (CC Lion Airline	739	Unknown			
12:10:00 PM	JT916	Bandung (F Lion Airline	738	Unknown			
12:30:00 PM	GA315	Jakarta (CC Garuda Ind	B738 (PK-GFL)	Departed 12:42 PM	1230-1259	11 1230-1244	5
12:35:00 PM	JT376	Samarinda Lion Airline	739	Scheduled			
12:35:00 PM	QG834	Majalengka Citilink	320	Scheduled			
12:40:00 PM	ID6575	Jakarta (CC Batik Air	B739 (PK-LBJ)	Departed 12:58 PM			
12:40:00 PM	SJ269	Jakarta (CC Sriwijaya A	735	Scheduled			
12:45:00 PM	IW1808	Sumenep-I Wings Air	AT7	Estimated dep. 12:40 PM	1245-1259	6	
12:45:00 PM	QG986	Palembang Citilink	320	Scheduled			
12:50:00 PM	JT706	Makassar (Lion Airline	739	Scheduled			
12:50:00 PM	QZ322	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Departed 12:46 PM			
12:55:00 PM	QG436	Balikpapan Citilink	320	Scheduled			
12:55:00 PM	QG696	Denpasar (Citilink	A20N (PK-GTH)	Departed 1:02 PM			
1:00:00 PM	JT178	Lombok (L Lion Airline	739	Scheduled	1300-1329	5 1300-1314	4
1:00:00 PM	JT736	Manado (N Lion Airline	7M8	Scheduled			
1:05:00 PM	JT266	Balikpapan Lion Airline	739	Scheduled			
1:10:00 PM	JT862	Palangka Raya Lion Airline	738	Scheduled		1315-1329	1
1:20:00 PM	QG692	Denpasar (Citilink	A320 (PK-GLJ)	Departed 11:36 AM			
1:30:00 PM	GA317	Jakarta (CC Garuda Ind	738	Scheduled	1330-1259	12 1330-1344	9
1:30:00 PM	ID6412	Denpasar (Batik Air	32A	Scheduled			
1:30:00 PM	IN192	Pangkalan Bun Nam Air	735	Scheduled			
1:30:00 PM	IW1845	Yogyakarta Wings Air	AT7	Scheduled			
1:30:00 PM	IW1873	Denpasar (Wings Air	AT7	Scheduled			
1:30:00 PM	JT258	Padang (PE Lion Airline	739	Scheduled			
1:30:00 PM	JT910	Denpasar (Lion Airline	739	Scheduled			
1:40:00 PM	JT694	Kupang (KC Lion Airline	738	Scheduled			
1:40:00 PM	QG307	Makassar (Citilink	320	Scheduled			

1:50:00 PM	JT577	Jakarta (CC Lion Airline)	738	Scheduled		1345-1359	3
1:50:00 PM	JT695	Jakarta (CC Lion Airline)	738	Scheduled			
1:50:00 PM	QG173	Jakarta (HL Citilink)	320	Scheduled			
2:00:00 PM	JT949	Batam (BT Lion Airline)	738	Scheduled	1400-1429	4 1400-1414	3
2:05:00 PM	3K248	Singapore | Jetstar Asia	320	Scheduled			
2:10:00 PM	JT316	Banjarmasi Lion Airline	739	Scheduled			
2:20:00 PM	QG824	Bandung (F Citilink)	320	Scheduled		1415-1429	1
2:30:00 PM	IW1897	Surabaya (Wings Air)	AT7	Scheduled	1430-1259	9 1430-1444	5
2:35:00 PM	JT749	Jakarta (CC Lion Airline)	739	Scheduled			
2:40:00 PM	GA365	Surabaya (Garuda Ind)	CRJX (PK-GRI)	Scheduled			
2:40:00 PM	IW1890	Pangkalan Wings Air	AT7	Scheduled			
2:40:00 PM	SJ238	Sampit Air Sriwijaya A	735	Scheduled			
2:45:00 PM	GA7308	Yogyakarta Garuda Ind	AT7	Scheduled		1445-1459	4
2:45:00 PM	JT366	Balikpapan Lion Airline	739	Scheduled			
2:45:00 PM	QG438	Balikpapan Citilink	320	Scheduled			
2:50:00 PM	IN244	Sampit Air Nam Air	735	Scheduled			
3:00:00 PM	JT864	Lombok (L Lion Airline)	739	Scheduled	1500-1529	9 1500-1514	6
3:00:00 PM	JT3979	Medan (KN Lion Airline)	330	Scheduled			
3:00:00 PM	QG175	Jakarta (HL Citilink)	320	Scheduled			
3:05:00 PM	ID7502	Jakarta (HL Batik Air)	32A	Scheduled			
3:05:00 PM	SJ232	Balikpapan Sriwijaya A	733	Scheduled			
3:10:00 PM	QZ326	Kuala Lumpur AirAsia X	A320 (PK-AXJ)	Scheduled			
3:15:00 PM	IW1809	Banjarmasi Wings Air	AT7	Scheduled		1515-1529	3
3:15:00 PM	JT220	Banjarmasi Lion Airline	738	Scheduled			
3:15:00 PM	JT268	Tarakan (TI Lion Airline)	738	Scheduled			
3:35:00 PM	ID7508	Jakarta (HL Batik Air)	32A	Scheduled	1530-1559	7 1530-1544	4
3:35:00 PM	QG672	Lombok (L Citilink)	320	Scheduled			
3:40:00 PM	GA319	Jakarta (CC Garuda Ind)	332	Scheduled			
3:40:00 PM	JT581	Jakarta (CC Lion Airline)	739	Scheduled			
3:50:00 PM	GA321	Jakarta (CC Garuda Ind)	738	Scheduled		1545-1559	3
3:50:00 PM	MH872	Kuala Lumpur Malaysia A	738	Scheduled			
3:55:00 PM	SJ235	Yogyakarta Sriwijaya A	735	Scheduled			
4:00:00 PM	JT318	Banjarmasi Lion Airline	739	Scheduled	1600-1629	6 1600-1614	1
4:15:00 PM	JT822	Lombok (L Lion Airline)	738	Scheduled		1615-1629	5
4:15:00 PM	JT982	Pekanbaru Lion Airline	739	Scheduled			
4:20:00 PM	ID7107	Jakarta (HL Batik Air)	738	Scheduled			
4:20:00 PM	ID7514	Jakarta (HL Batik Air)	738	Scheduled			
4:25:00 PM	GA344	Denpasar (Garuda Ind)	738	Scheduled			
4:30:00 PM	JT599	Jakarta (CC Lion Airline)	739	Scheduled	1630-1659	8 1630-1644	5
4:30:00 PM	JT722	Kendari (KI Lion Airline)	739	Scheduled			
4:30:00 PM	QZ330	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Scheduled			
4:35:00 PM	IW1816	Yogyakarta Wings Air	AT7	Scheduled			
4:35:00 PM	SJ255	Jakarta (CC Sriwijaya A)	738	Scheduled			
4:45:00 PM	JT838	Pontianak (Lion Airline)	738	Scheduled		1645-1659	3
4:50:00 PM	JT364	Balikpapan Lion Airline	738	Scheduled			
4:50:00 PM	JT693	Jakarta (CC Lion Airline)	739	Scheduled			
5:00:00 PM	QG488	Banjarmasi Citilink	320	Scheduled	1700-1729	5 1700-1714	3
5:00:00 PM	JT165	Kuala Lumpur Lion Airline	738	Scheduled			
5:10:00 PM	GA338	Denpasar (Garuda Ind)	CRK	Scheduled			
5:20:00 PM	QG348	Makassar (Citilink)	320	Scheduled		1715-1729	2
5:25:00 PM	ID7579	Jakarta (CC Batik Air)	32A	Scheduled			
5:30:00 PM	QG719	Jakarta (CC Citilink)	320	Scheduled			
5:30:00 PM	JT642	Lombok (L Lion Airline)	739	Scheduled	1730-1759	5 1730-1744	1
5:45:00 PM	GA373	Bandung (F Garuda Ind)	738	Scheduled		1745-1759	3
5:50:00 PM	IN376	Bandung (F Nam Air)	735	Scheduled			
5:50:00 PM	JT780	Makassar (Lion Airline)	739	Scheduled			
5:55:00 PM	IN9376	Bandung (F Nam Air)	735	Scheduled			
6:00:00 PM	GA323	Jakarta (CC Garuda Ind)	332	Scheduled	1800-1829	12 1800-1814	6
6:00:00 PM	GA367	Makassar (Garuda Ind)	CRK	Scheduled			
6:00:00 PM	QG418	Pontianak (Citilink)	320	Scheduled			

6:05:00 PM	JT730	Balikpapan | Lion Airline	738	Scheduled				
6:05:00 PM	JT858	Balikpapan | Lion Airline	738	Scheduled				
6:10:00 PM	QG698	Denpasar | Citilink	320	Scheduled				
6:15:00 PM	JT149	Bandar Lampung | Lion Airline	739	Scheduled				
6:20:00 PM	GA448	Kupang (KC) | Garuda Ind	738	Scheduled				
6:20:00 PM	JT704	Makassar ( | Lion Airline	738	Scheduled				
6:25:00 PM	ID6581	Jakarta (CC) | Batik Air	32A	Scheduled				
6:25:00 PM	IN227	Semarang | Nam Air	735	Scheduled				
6:25:00 PM	SJ259	Jakarta (CC) | Sriwijaya A	733	Scheduled				
6:30:00 PM	QG177	Jakarta (HL) | Citilink	320	Scheduled	1830-1859	7	1830-1844	4
6:40:00 PM	GA325	Jakarta (CC) | Garuda Ind	738	Scheduled				
6:40:00 PM	JT682	Palangka Raya | Lion Airline	739	Scheduled				
6:40:00 PM	MI225	Singapore | SilkAir	320	Scheduled				
6:45:00 PM	ID7516	Jakarta (HL) | Batik Air	32A	Scheduled	1845-1859			3
6:50:00 PM	SJ227	Semarang | Sriwijaya A	735	Scheduled				
6:55:00 PM	QG806	Semarang | Citilink	320	Scheduled				
7:00:00 PM	JT696	Kupang (KC) | Lion Airline	739	Scheduled	1900-1929	5	1900-1914	3
7:10:00 PM	QG721	Jakarta (CC) | Citilink	320	Scheduled				
7:10:00 PM	SJ264	Denpasar ( | Sriwijaya A	735	Scheduled				
7:15:00 PM	JT697	Jakarta (CC) | Lion Airline	739	Scheduled			1915-1929	2
7:15:00 PM	QZ7624	Denpasar ( | AirAsia X A320 (PK-AXH)		Scheduled				
7:30:00 PM	IW1813	Yogyakarta | Wings Air	AT4	Scheduled	1930-1959	2	1930-1944	1
7:55:00 PM	ID7520	Jakarta (CC) | Batik Air	32A	Scheduled			1945-1959	1
8:00:00 PM	QG723	Jakarta (CC) | Citilink	320	Scheduled	2000-2029	1	2000-2014	1
8:30:00 PM	GA329	Jakarta (CC) | Garuda Ind	738	Scheduled	2030-2059	5	2015-2029	0
8:30:00 PM	QG725	Jakarta (CC) | Citilink	320	Scheduled			2030-2044	2
8:50:00 PM	IW1847	Yogyakarta | Wings Air	AT4	Scheduled			2045-2059	3
8:55:00 PM	GA331	Jakarta (CC) | Garuda Ind	738	Canceled				
8:55:00 PM	ID7518	Jakarta (HL) | Batik Air	738	Scheduled				
9:10:00 PM	ID6309	Jakarta (CC) | Batik Air	32A	Scheduled	2100-2129	4	2100-2114	1
9:15:00 PM	QG727	Jakarta (CC) | Citilink	320	Scheduled			2115-2129	3
9:15:00 PM	SJ570	Makassar ( | Sriwijaya A	735	Scheduled				
9:25:00 PM	SJ562	Makassar ( | Sriwijaya A	733	Scheduled				
9:30:00 PM	JT595	Jakarta (CC) | Lion Airline	738	Scheduled	2130-2159	2	2130-2144	1
9:45:00 PM	ID6583	Jakarta (CC) | Batik Air	32A	Scheduled			2145-2159	1
10:00:00 PM	ID6136	Makassar ( | Batik Air	32A	Scheduled	2200-2229	5	2200-2214	2
10:00:00 PM	ID8196	Makassar ( | Batik Air	32A	Scheduled				
10:25:00 PM	JT800	Makassar ( | Lion Airline	739	Scheduled			2215-2229	3
10:25:00 PM	JT880	Makassar ( | Lion Airline	739	Scheduled				
10:25:00 PM	JT1798	Makassar ( | Lion Airline	739	Scheduled				
10:35:00 PM	JT821	Jakarta (CC) | Lion Airline	738	Scheduled	2230-2259	2	2230-2244	1
10:45:00 PM	JT3780	Makassar ( | Lion Airline	739	Scheduled			2245-2259	1

Wednesday, Nov 14				260				
5:00:00 AM	QZ7681	Jakarta (CC) | AirAsia X A320 (PK-AXH)		Departed 5:04 AM	0500-0529	10	0500-0514	5
5:00:00 AM	ID6150	Sorong (SO) | Batik Air	A320 (PK-LUH)	Departed 5:13 AM				
5:00:00 AM	SJ257	Jakarta (CC) | Sriwijaya A	B738 (PK-CMW)	Departed 5:09 AM				
5:05:00 AM	QG171	Jakarta (HL) | Citilink	A320 (PK-GQL)	Departed 5:11 AM				
5:05:00 AM	QZ320	Kuala Lumpur | AirAsia X	A320 (PK-AXJ)	Departed 5:02 AM				
5:15:00 AM	GA631	Makassar ( | Garuda Ind	CRJX (PK-GRO)	Unknown			0515-0529	5
5:25:00 AM	GA303	Jakarta (CC) | Garuda Ind	B738 (PK-GNR)	Departed 5:28 AM				
5:25:00 AM	JT708	Makassar ( | Lion Air	B738 (PK-LKW)	Departed 5:32 AM				
5:25:00 AM	JT1708	Makassar ( | Lion Airline	739	Unknown				
5:25:00 AM	QG820	Bandung (F) | Citilink	A320 (PK-GQQ)	Departed 5:41 AM				
5:30:00 AM	ID6401	Jakarta (CC) | Batik Air	A320 (PK-LUW)	Departed 5:36 AM	0530-0559	7	0530-0544	3
5:30:00 AM	ID6896	Jakarta (CC) | Batik Air	32A	Unknown				
5:35:00 AM	QG416	Pontianak | Citilink (Kaj)	A320 (PK-GLC)	Departed 5:38 AM				
5:45:00 AM	JT310	Banjarmasin | Lion Air	B739 (PK-LHP)	Departed 7:33 AM			0545-0559	4
5:45:00 AM	JT804	Denpasar ( | Lion Air	(6C) B739 (PK-LJO)	Departed 5:58 AM				
5:45:00 AM	QG711	Jakarta (CC) | Citilink	A320 (PK-GLI)	Departed 6:01 AM				

5:55:00 AM	GA7302	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed 5:56 AM				
6:00:00 AM	IW1804	Sampit Air	Wings Air	AT76 (PK-WJF)	Departed 6:23 AM	0600-0629	19	0600-0614
6:00:00 AM	IW1914	Surakarta	(Wings Air)	AT76 (PK-WGU)	Departed 6:19 AM			11
6:00:00 AM	JT979	Medan	(KN Lion Air)	B739 (PK-LKM)	Departed 6:03 AM			
6:00:00 AM	SJ566	Makassar	(Sriwijaya A)	735	Unknown			
6:05:00 AM	GA984	Banda Aceh	Garuda Ind	A333 (PK-GPG)	Departed 6:34 AM			
6:05:00 AM	CI752	Singapore	(China Airline)	A333 (B-18358)	Departed 6:12 AM			
6:05:00 AM	IN242	Sampit Air	(NAM Air)	B735 (PK-NAL)	Departed 6:21 AM			
6:05:00 AM	JT360	Balikpapan	(Lion Air)	B739 (PK-LHK)	Departed 6:11 AM			
6:10:00 AM	IL712	Pangkalan	(Trigana Air)	734	Unknown			
6:10:00 AM	QG430	Balikpapan	(Citilink)	A20N (PK-GTH)	Departed 8:02 AM			
6:10:00 AM	QG484	Banjarmasin	(Citilink)	A320 (PK-GLW)	Departed 6:55 AM			
6:15:00 AM	GA305	Jakarta	(CC Garuda Ind)	B738 (PK-GFC)	Departed 6:16 AM	0615-0629		8
6:15:00 AM	BI796	Brunei	(BW Royal Brunei)	A320 (V8-RBW)	Departed 6:06 AM			
6:15:00 AM	ID6597	Jakarta	(CC Batik Air)	A320 (PK-LAJ)	Departed 6:32 AM			
6:15:00 AM	ID6852	Jakarta	(CC Batik Air)	32A	Unknown			
6:20:00 AM	QG946	Batam	(BTI Citilink)	A20N (PK-GTI)	Departed 6:26 AM			
6:20:00 AM	QZ324	Kuala Lumpur	(AirAsia X)	A320 (PK-AXF)	Departed 6:29 AM			
6:20:00 AM	SJ236	Sampit Air	(Sriwijaya A)	735	Unknown			
6:25:00 AM	QG600	Kupang	(KC Citilink)	A320 (PK-GQC)	Departed 6:49 AM			
6:35:00 AM	QG450	Palangkara	(Citilink)	A320 (PK-GLZ)	Departed 6:45 AM	0630-0659	5	0630-0644
6:45:00 AM	JT571	Jakarta	(CC Lion Air)	B739 (PK-LHT)	Departed 7:14 AM		0645-0659	4
6:55:00 AM	JT262	Balikpapan	(Lion Air)	B739 (PK-LFT)	Departed 8:41 AM			
6:55:00 AM	JT690	Kupang	(KC Lion Air)	B739 (PK-LKO)	Departed 7:20 AM			
6:55:00 AM	JT962	Lombok	(L Lion Air)	B739 (PK-LFO)	Departed 8:07 AM			
7:10:00 AM	QG346	Makassar	(Citilink)	A320 (PK-GLJ)	Departed 7:28 AM	0700-0729	3	0700-0714
7:20:00 AM	JT806	Makassar	(Lion Air)	B739 (PK-LFW)	Departed 8:28 AM		0715-0729	2
7:25:00 AM	ID7510	Jakarta	(HL Batik Air)	B738 (PK-LBS)	Departed 7:35 AM			
7:30:00 AM	GA368	Semarang	(Garuda Ind)	CRJX (PK-GRI)	Departed	0730-0759	11	0730-0744
7:30:00 AM	IW1843	Yogyakarta	(Wings Air)	AT76 (PK-WGT)	Departed 7:43 AM			
7:30:00 AM	SJ268	Jayapura	(Sriwijaya A)	733	Unknown			
7:35:00 AM	ID6174	Ambon	(AN Batik Air)	A320 (PK-LAQ)	Departed 7:29 AM			
7:35:00 AM	ID6596	Ambon	(AN Batik Air)	738	Unknown			
7:35:00 AM	IW1839	Semarang	(Wings Air)	AT76 (PK-WGO)	Departed 7:49 AM			
7:40:00 AM	GA854	Singapore	(Garuda Ind)	B738 (PK-GFR)	Departed 7:47 AM			
7:45:00 AM	IN276	Denpasar	(Nam Air)	735	Unknown	0745-0759		4
7:45:00 AM	IN377	Denpasar	(Nam Air)	735	Unknown			
7:50:00 AM	GA307	Jakarta	(CC Garuda Ind)	B738 (PK-GFH)	Departed 7:58 AM			
7:55:00 AM	QG694	Denpasar	(Citilink)	A320 (PK-GLG)	Departed 8:22 AM			
8:00:00 AM	JT856	Palembang	(Lion Air)	B738 (PK-LPT)	Departed 8:11 AM	0800-0829	8	0800-0814
8:05:00 AM	IN9276	Denpasar	(Nam Air)	735	Unknown			
8:05:00 AM	JT911	Bandung	(F Lion Air)	B738 (PK-LJW)	Departed 8:39 AM			
8:05:00 AM	JT971	Batam	(BTI Lion Air)	B739 (PK-LGP)	Departed 8:20 AM			
8:10:00 AM	JT929	Manado	(N Lion Airline)	739	Unknown			
8:10:00 AM	JT748	Manado	(N Lion Air)	B739 (PK-LGS)	Departed 8:15 AM			
8:20:00 AM	GA449	Jakarta	(CC Garuda Ind)	B738 (PK-GMZ)	Departed 8:25 AM		0815-0829	2
8:20:00 AM	ID6391	Jakarta	(CC Batik Air)	A320 (PK-LUO)	Departed 8:32 AM			
8:30:00 AM	CX780	Hong Kong	(Cathay Pac)	A333 (B-HLN)	Departed 8:50 AM	0830-0859	6	0830-0844
8:30:00 AM	JT264	Balikpapan	(Lion Air)	B739 (PK-LHY)	Departed 8:43 AM			
8:30:00 AM	QZ695	Jakarta	(CC AirAsia X)	A320 (PK-AXI)	Departed 8:38 AM			
8:35:00 AM	JT836	Pontianak	(Lion Air)	B738 (PK-LPO)	Departed 8:34 AM			
8:40:00 AM	GA309	Jakarta	(CC Garuda Ind)	B738 (PK-GMH)	Departed 8:56 AM			
8:50:00 AM	GA7306	Jember	(JB Garuda Ind)	AT76 (PK-GAE)	Departed 9:03 AM		0845-0859	2
8:50:00 AM	QZ8297	Kuala Lumpur	(AirAsia X)	A320 (PK-AXH)	Departed 9:00 AM			
9:00:00 AM	JT786	Makassar	(Lion Air)	B739 (PK-LGM)	Departed 9:13 AM	0900-0929	7	0900-0914
9:00:00 AM	JT852	Makassar	(Lion Airline)	739	Unknown			
9:00:00 AM	JT992	Makassar	(Lion Airline)	738	Unknown			
9:05:00 AM	JT573	Jakarta	(CC Lion Air)	B738 (PK-LPK)	Departed 9:19 AM			
9:20:00 AM	JT226	Banjarmasin	(Lion Air)	B738 (PK-LKR)	Departed 9:24 AM		0915-0929	3
9:25:00 AM	JT951	Bandung	(E Lion Air)	B738 (PK-LPU)	Departed 10:25 AM			

9:25:00 AM	QG670	Lombok (L Citilink	320	Unknown				
9:30:00 AM	JT646	Lombok (L Lion Air (6C	B739 (PK-LJO)	Departed 9:37 AM	0930-0959	6	0930-0944	3
9:30:00 AM	QG800	Semarang (J Citilink	A320 (PK-GLW)	Departed 10:03 AM				
9:30:00 AM	QG432	Balikpapan Citilink	320	Unknown				
9:45:00 AM	QG713	Jakarta (CC Citilink	A320 (PK-GLI)	Departed 10:29 AM		0945-0959		3
9:50:00 AM	JT680	Palangkara Lion Air	B739 (PK-LHP)	Departed 11:05 AM				
9:55:00 AM	TR265	Singapore (Scoot	A320 (9V-TRO)	Departed 10:08 AM				
10:00:00 AM	MH870	Kuala Lumpur Malaysia A	B738 (9M-MLV)	Departed 10:17 AM	1000-1029	7	1000-1014	5
10:00:00 AM	JT169	Kuala Lumpur Lion Air	B738 (PK-LOQ)	Departed 10:23 AM				
10:05:00 AM	GA311	Jakarta (CC Garuda Ind	A332 (PK-GPQ)	Departed 10:13 AM				
10:10:00 AM	IW1872	Jember (JB Wings Air	AT76 (PK-WJF)	Departed 10:37 AM				
10:10:00 AM	SQ931	Singapore (Singapore	A333 (9V-SSE)	Departed 10:27 AM				
10:15:00 AM	JT922	Denpasar (Lion Air	B739 (PK-LFO)	Departed		1015-1029		2
10:25:00 AM	JT362	Balikpapan Lion Air	B739 (PK-LHK)	Departed 10:42 AM				
10:30:00 AM	IW1835	Semarang (Wings Air	AT76 (PK-WGT)	Departed 11:45 AM	1030-1059	10	1030-1044	7
10:30:00 AM	JT312	Banjarmasi Lion Air	B739 (PK-LGL)	Departed 11:52 AM				
10:35:00 AM	ID6573	Jakarta (CC Batik Air	A320 (PK-LAK)	Departed 10:53 AM				
10:40:00 AM	IN225	Semarang (NAM Air	B735 (PK-NAL)	Departed 11:08 AM				
10:40:00 AM	QG715	Jakarta (CC Citilink	A20N (PK-GTH)	Departed 12:36 PM				
10:40:00 AM	SJ225	Semarang (Sriwijaya A	738	Unknown				
10:40:00 AM	SJ564	Makassar (Sriwijaya A	B738 (PK-CLS)	Departed 11:25 AM				
10:45:00 AM	IW1811	Yogyakarta Wings Air	AT76 (PK-WGQ)	Departed 11:14 AM		1045-1059		3
10:50:00 AM	GA364	Lombok (L Garuda Ind	CRJX (PK-GRI)	Unknown				
10:55:00 AM	SJ252	Balikpapan Sriwijaya A	B735 (PK-CLF)	Departed				
11:00:00 AM	GA342	Denpasar (Garuda Ind	B738 (PK-GMC)	Departed 11:21 AM	1100-1129	8	1100-1114	6
11:00:00 AM	QG486	Banjarmasi Citilink	A320 (PK-GLG)	Departed 11:43 AM				
11:00:00 AM	SJ254	Kupang (K Sriwijaya A	738	Unknown				
11:05:00 AM	JT3930	Denpasar (Lion Airline	7M8	Unknown				
11:10:00 AM	GA313	Jakarta (CC Garuda Ind	B738 (PK-GFW)	Departed 11:28 AM				
11:10:00 AM	ID6130	Labuan Baj Batik Air	A320 (PK-LUV)	Departed				
11:15:00 AM	QZ394	Johor Bahr AirAsia X	A320 (PK-AXJ)	Departed 11:48 AM		1115-1129		2
11:20:00 AM	JT692	Kupang (K Lion Air	B739 (PK-LJL)	Departed 11:36 AM				
11:30:00 AM	QG930	Pekanbaru Citilink	320	Unknown	1130-1159	11	1130-1144	5
11:35:00 AM	ID6230	Makassar (Batik Air	738	Unknown				
11:35:00 AM	ID6284	Makassar (Batik Air	A320 (PK-LZH)	Departed 12:09 PM				
11:35:00 AM	JT222	Banjarmasi Lion Air	B739 (PK-LHW)	Departed 12:11 PM				
11:35:00 AM	QG434	Balikpapan Citilink	320	Unknown				
11:45:00 AM	GA7304	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed		1145-1159		6
11:50:00 AM	ID7083	Jakarta (HL Batik Air	32A	Unknown				
11:50:00 AM	ID7512	Jakarta (HL Batik Air	B738 (PK-LBS)	Departed 11:56 AM				
11:50:00 AM	JT973	Batam (BT Lion Air	B739 (PK-LHS)	Departed 12:27 PM				
11:50:00 AM	QG717	Jakarta (CC Citilink	A320 (PK-GQC)	Departed 12:31 PM				
11:50:00 AM	QG948	Batam (BT Citilink	320	Unknown				
12:00:00 PM	IN116	Batu Licin (NAM Air	AT76 (PK-NYZ)	Departed 12:53 PM	1200-1229	6	1200-1214	6
12:00:00 PM	IW1880	Blimbingsa Wings Air	AT76 (PK-WGU)	Departed		1215-1229		0
12:00:00 PM	SJ334	Bandar Lampung Sriwijaya A	738	Unknown				
12:05:00 PM	JT260	Balikpapan Lion Air	B739 (PK-LFT)	Departed 2:21 PM				
12:10:00 PM	JT591	Jakarta (CC Lion Air	B739 (PK-LFZ)	Departed 12:38 PM				
12:10:00 PM	JT916	Bandung (F Lion Air	B738 (PK-LOG)	Departed 12:25 PM				
12:30:00 PM	GA315	Jakarta (CC Garuda Ind	B738 (PK-GMR)	Departed 2:06 PM	1230-1259	10	1230-1244	5
12:35:00 PM	JT376	Samarinda Lion Airline	739	Unknown				
12:35:00 PM	QG834	Majalengka Citilink	320	Unknown				
12:40:00 PM	SJ269	Jakarta (CC Sriwijaya A	B738 (PK-CRH)	Departed 2:10 PM				
12:40:00 PM	ID6575	Jakarta (CC Batik Air	B739 (PK-LBG)	Departed 1:30 PM				
12:45:00 PM	IW1808	Sumenep (Wings Air	AT76 (PK-WJF)	Departed 1:44 PM		1245-1259		5
12:45:00 PM	QG986	Palembang Citilink	A320 (PK-GQQ)	Departed 12:54 PM				
12:50:00 PM	JT706	Makassar (Lion Air	B739 (PK-LKO)	Departed 1:34 PM				
12:55:00 PM	QG436	Balikpapan Citilink	320	Unknown				
12:55:00 PM	QG696	Denpasar (Citilink	A320 (PK-GQM)	Departed 1:28 PM				
1:00:00 PM	JT178	Lombok (L Lion Air (6C	B739 (PK-LJO)	Departed 1:22 PM	1300-1329	4	1300-1314	3

1:05:00 PM	JT266	Balikpapan Lion Airline	738	Unknown				
1:10:00 PM	JT862	Palangka Lion Air	B738 (PK-LKR)	Departed 2:18 PM				
1:20:00 PM	QG692	Denpasar (Citilink	320	Unknown		1315-1329	1	
1:30:00 PM	GA317	Jakarta (CC Garuda Ind	B738 (PK-GFA)	Departed 2:01 PM	1330-1259	12	1330-1344	9
1:30:00 PM	JT736	Manado (N Lion Air	B739 (PK-LHP)	Departed 2:55 PM				
1:30:00 PM	ID6412	Denpasar (Batik Air	A320 (PK-LAJ)	Departed 2:04 PM				
1:30:00 PM	IN192	Pangkalan Nam Air	735	Unknown				
1:30:00 PM	IW1845	Yogyakarta Wings Air	AT75 (PK-WFJ)	Departed 6:31 PM				
1:30:00 PM	IW1873	Denpasar (Wings Air	AT7	Unknown				
1:30:00 PM	JT910	Denpasar (Lion Air	B739 (PK-LFO)	Departed 5:17 PM				
1:40:00 PM	JT694	Kupang (KC Lion Airline	738	Unknown				
1:40:00 PM	QG307	Makassar (Citilink	A320 (PK-GLW)	Departed 2:38 PM				
1:50:00 PM	JT577	Jakarta (CC Lion Air	B738 (PK-LPT)	Departed 2:14 PM		1345-1359	3	
1:50:00 PM	JT695	Jakarta (CC Lion Airline	738	Unknown				
1:50:00 PM	QG173	Jakarta (HL Citilink	A320 (PK-GQI)	Departed 1:57 PM				
2:00:00 PM	JT949	Batam (BT Lion Airline	738	Unknown	1400-1429	3	1400-1414	2
2:10:00 PM	JT316	Banjarmasi Lion Air	B739 (PK-LGL)	Departed 3:40 PM				
2:20:00 PM	QG824	Bandung (F Citilink	A320 (PK-GLA)	Departed 2:34 PM		1415-1429	1	
2:30:00 PM	IW1897	Semarang (Wings Air	AT76 (PK-WGU)	Departed 3:25 PM	1430-1259	9	1430-1444	5
2:35:00 PM	JT749	Jakarta (CC Lion Air	B739 (PK-LFW)	Departed 3:23 PM				
2:40:00 PM	GA365	Semarang (Garuda Ind	CRJX (PK-GRI)	Departed				
2:40:00 PM	IW1890	Pangkalan Wings Air	AT76 (PK-WGT)	Departed 3:06 PM				
2:40:00 PM	SJ238	Sampit Air Sriwijaya A	735	Unknown				
2:45:00 PM	GA7308	Yogyakarta Garuda Ind	AT76 (PK-GAE)	Departed 3:17 PM		1445-1459	4	
2:45:00 PM	JT366	Balikpapan Lion Air	B739 (PK-LHK)	Departed 2:58 PM				
2:45:00 PM	QG438	Balikpapan Citilink	320	Unknown				
2:50:00 PM	IN244	Sampit Air NAM Air	B735 (PK-NAL)	Departed 2:51 PM				
3:00:00 PM	JT864	Lombok (L Lion Air	B738 (PK-LPO)	Departed 3:16 PM	1500-1529	9	1500-1514	5
3:00:00 PM	QG175	Jakarta (HL Citilink	320	Unknown				
3:05:00 PM	ID7502	Jakarta (HL Batik Air	A320 (PK-LAW)	Departed 3:02 PM				
3:05:00 PM	SJ232	Balikpapan Sriwijaya A	733	Unknown				
3:10:00 PM	QZ326	Kuala Lum ⁱ AirAsia X	A320 (PK-AXI)	Departed 3:14 PM				
3:15:00 PM	3K248	Singapore (Jetstar Airv	A320 (9V-JSK)	Departed 3:09 PM		1515-1529	4	
3:15:00 PM	IW1809	Banjarmasi Wings Air	AT76 (PK-WJF)	Unknown				
3:15:00 PM	JT220	Banjarmasi Lion Air	B739 (PK-LHW)	Departed 6:59 PM				
3:15:00 PM	JT268	Tarakan (T Lion Air	B739 (PK-LGS)	Departed 3:28 PM				
3:30:00 PM	GA319	Jakarta (CC Garuda Ind	A332 (PK-GPQ)	Departed 3:42 PM	1530-1559	6	1530-1544	4
3:35:00 PM	ID7508	Jakarta (HL Batik Air	A320 (PK-LAV)	Departed 3:35 PM				
3:35:00 PM	QG672	Lombok (L Citilink	A320 (PK-GQC)	Departed 4:35 PM				
3:40:00 PM	JT581	Jakarta (CC Lion Airline	739	Unknown				
3:50:00 PM	GA321	Jakarta (CC Garuda Ind	B738 (PK-GMC)	Departed 3:56 PM		1545-1559	2	
3:50:00 PM	MH872	Kuala Lum ⁱ Malaysia A	B738 (9M-MLO)	Departed 4:00 PM				
4:00:00 PM	SV3897	Jeddah (JEI Saudia	B744 (TF-AAH)	Departed 4:04 PM	1600-1629	8	1600-1614	2
4:00:00 PM	JT318	Banjarmasi Lion Airline	739	Unknown				
4:15:00 PM	JT822	Lombok (L Lion Air	B738 (PK-LKW)	Departed 7:18 PM		1615-1629	5	
4:15:00 PM	JT982	Pekanbaru Lion Air	B739 (PK-LFT)	Departed 7:08 PM				
4:15:00 PM	SJ235	Yogyakarta Sriwijaya A	B738 (PK-CMT)	Departed 5:25 PM				
4:20:00 PM	ID7107	Jakarta (HL Batik Air	738	Unknown				
4:20:00 PM	ID7514	Jakarta (HL Batik Air	B738 (PK-LBS)	Departed 4:26 PM				
4:25:00 PM	GA344	Denpasar (Garuda Ind	B738 (PK-GNQ)	Departed 4:38 PM				
4:30:00 PM	JT722	Kendari (KI Lion Air	B739 (PK-LGP)	Departed 6:42 PM	1630-1659	8	1630-1644	5
4:30:00 PM	QZ330	Kuala Lum ⁱ AirAsia X	A320 (PK-AXH)	Departed 4:23 PM				
4:30:00 PM	JT599	Jakarta (CC Lion Airline	739	Unknown				
4:35:00 PM	IW1816	Yogyakarta Wings Air	AT76 (PK-WGT)	Departed 7:25 PM				
4:35:00 PM	SJ255	Jakarta (CC Sriwijaya A	738	Unknown				
4:45:00 PM	JT838	Pontianak (Lion Air	B738 (PK-LPT)	Departed 7:16 PM		1645-1659	3	
4:50:00 PM	JT364	Balikpapan Lion Air	B738 (PK-LKR)	Departed 6:25 PM				
4:50:00 PM	JT693	Jakarta (CC Lion Air	B739 (PK-LGQ)	Departed 5:27 PM				
5:00:00 PM	QG488	Banjarmasi Citilink	320	Unknown	1700-1729	5	1700-1714	3
5:00:00 PM	JT165	Kuala Lum ⁱ Lion Airline	738	Unknown				

5:10:00 PM	GA338	Denpasar (Garuda Ind CRJX (PK-GRN)	Departed 5:11 PM			
5:20:00 PM	QG348	Makassar (Citilink A320 (PK-GLV)	Departed 5:21 PM	1715-1729	2	
5:25:00 PM	ID7579	Jakarta (CC Batik Air A320 (PK-LAM)	Departed 5:43 PM			
5:30:00 PM	QG719	Jakarta (CC Citilink A320 (PK-GQA)	Departed 5:32 PM	1730-1759	6	1730-1744
5:30:00 PM	JT642	Lombok (L Lion Airline 739	Unknown		1745-1759	3
5:45:00 PM	GA373	Bandung (F Garuda Ind B738 (PK-GNE)	Departed 5:47 PM			
5:50:00 PM	IN376	Bandung (F Nam Air 735	Unknown			
5:50:00 PM	JT780	Makassar (Lion Airline 739	Unknown			
5:55:00 PM	IN9376	Bandung (F Nam Air 735	Unknown			
6:00:00 PM	GA323	Jakarta (CC Garuda Ind A332 (PK-GPO)	Departed 6:23 PM	1800-1829	12	1800-1814
6:00:00 PM	GA367	Makassar (Garuda Ind CRJX (PK-GRI)	Unknown			
6:00:00 PM	QG418	Pontianak (Citilink A20N (PK-GTI)	Departed 5:09 PM			
6:05:00 PM	JT730	Balikpapan Lion Air B738 (PK-LPU)	Departed 8:06 PM			
6:05:00 PM	JT858	Balikpapan Lion Airline 738	Unknown			
6:10:00 PM	QG698	Denpasar (Citilink A320 (PK-GLG)	Departed 6:53 PM			
6:15:00 PM	JT149	Bandar Lampung Lion Air B738 (PK-LPO)	Departed 7:03 PM	1815-1829	6	
6:20:00 PM	GA448	Kupang (KC Garuda Ind B738 (PK-GND)	Departed 6:38 PM			
6:20:00 PM	JT704	Makassar (Lion Air B738 (PK-LOJ)	Departed 7:53 PM			
6:25:00 PM	ID6581	Jakarta (CC Batik Air A320 (PK-LUH)	Departed 6:29 PM			
6:25:00 PM	IN227	Surabaya (NAM Air B735 (PK-NAL)	Departed 6:34 PM			
6:25:00 PM	SJ259	Jakarta (CC Sriwijaya A 733	Unknown			
6:30:00 PM	QG177	Jakarta (HL Citilink A320 (PK-GQF)	Departed 6:49 PM	1830-1859	8	1830-1844
6:30:00 PM	QZ7693	Jakarta (CC AirAsia X A320 (PK-AXJ)	Departed 6:46 PM			
6:40:00 PM	GA325	Jakarta (CC Garuda Ind B738 (PK-GMJ)	Departed 7:06 PM			
6:40:00 PM	JT682	Palangka Raya Lion Air B739 (PK-LGM)	Departed 7:34 PM			
6:40:00 PM	MI225	Singapore (SilkAir B738 (9V-MGB)	Departed 7:14 PM			
6:45:00 PM	ID7516	Jakarta (HL Batik Air 32A	Unknown	1845-1859	3	
6:50:00 PM	SJ227	Surabaya (Sriwijaya A 735	Unknown			
6:55:00 PM	QG806	Surabaya (Citilink 320	Unknown			
7:00:00 PM	JT696	Kupang (KC Lion Air B739 (PK-LFS)	Departed 7:42 PM	1900-1929	5	1900-1914
7:10:00 PM	QG721	Jakarta (CC Citilink A320 (PK-GQC)	Departed 8:04 PM			
7:10:00 PM	SJ264	Denpasar (Sriwijaya A B735 (PK-CLF)	Departed 7:51 PM			
7:15:00 PM	JT697	Jakarta (CC Lion Airline 738	Unknown	1915-1929	2	
7:15:00 PM	QZ7624	Denpasar (AirAsia X A320 (PK-AXF)	Departed 7:10 PM			
7:30:00 PM	IW1813	Yogyakarta (Wings Air AT75 (PK-WFJ)	Departed 9:38 PM			
7:35:00 PM	GA327	Jakarta (CC Garuda Ind B738 (PK-GMY)	Departed	1930-1959	9	1930-1944
7:40:00 PM	IW1801	Surabaya (Wings Air AT76 (PK-WGU)	Departed 9:25 PM			
7:40:00 PM	QG179	Jakarta (HL Citilink A320 (PK-GQJ)	Departed 7:43 PM			
7:40:00 PM	QG440	Balikpapan (Citilink A320 (PK-GQD)	Departed 7:40 PM			
7:45:00 PM	JT737	Denpasar (Lion Air B739 (PK-LHP)	Unknown	1945-1959	5	
7:45:00 PM	JT990	Denpasar (Lion Air B739 (PK-LJT)	Departed 8:02 PM			
7:45:00 PM	JT585	Jakarta (CC Lion Airline 739	Unknown			
7:55:00 PM	ID6175	Jakarta (CC Batik Air 32A	Unknown			
7:55:00 PM	ID7520	Jakarta (CC Batik Air A320 (PK-LAO)	Departed 8:15 PM			
8:00:00 PM	QG723	Jakarta (CC Citilink 320	Unknown	2000-2029	1	2000-2014
8:30:00 PM	GA329	Jakarta (CC Garuda Ind 738	Canceled	2030-2059	6	2015-2029
8:30:00 PM	QG725	Jakarta (CC Citilink A320 (PK-GLZ)	Departed 8:43 PM			2030-2044
8:45:00 PM	SJ267	Jakarta (CC Sriwijaya A B738 (PK-CMR)	Departed 9:09 PM			2045-2059
8:50:00 PM	IW1847	Yogyakarta (Wings Air AT76 (PK-WGT)	Departed 10:41 PM			
8:55:00 PM	GA331	Jakarta (CC Garuda Ind B738 (PK-GMI)	Departed 8:59 PM			
8:55:00 PM	ID7518	Jakarta (HL Batik Air B738 (PK-LBS)	Departed 8:57 PM			
9:10:00 PM	ID6309	Jakarta (CC Batik Air A320 (PK-LZI)	Departed 9:11 PM	2100-2129	4	2100-2114
9:15:00 PM	QG727	Jakarta (CC Citilink 320	Unknown			2115-2129
9:25:00 PM	SJ562	Makassar (Sriwijaya A 733	Unknown			
9:25:00 PM	SJ570	Makassar (Sriwijaya A 735	Unknown			
9:30:00 PM	JT595	Jakarta (CC Lion Air B738 (PK-LOG)	Departed 10:56 PM	2130-2159	2	2130-2144
9:45:00 PM	ID6583	Jakarta (CC Batik Air A320 (PK-LAM)	Departed 10:13 PM			2145-2159
10:00:00 PM	ID6136	Makassar (Batik Air A320 (PK-LUV)	Departed 10:09 PM	2200-2229	5	2200-2214
10:00:00 PM	ID8196	Makassar (Batik Air 32A	Unknown			
10:25:00 PM	JT800	Makassar (Lion Air (5C B739 (PK-LHY)	Departed 10:45 PM	2215-2229	3	

10:25:00 PM	JT880	Makassar (Lion Airline)	739	Unknown				
10:25:00 PM	JT1798	Makassar (Lion Airline)	739	Unknown				
10:35:00 PM	JT821	Jakarta (CC Lion Airline)	738	Unknown	2230-2259	2 2230-2244	1	
10:45:00 PM	JT3780	Makassar (Lion Air)	B739 (PK-LJG)	Departed 10:49 PM		2245-2259	1	
Thursday, Nov 15					261			
5:00:00 AM	ID6150	Sorong (SQ Batik Air)	A320 (PK-LUW)	Departed 5:05 AM	0500-0529	8 0500-0514	4	
5:00:00 AM	SJ257	Jakarta (CC Sriwijaya A)	B738 (PK-CMW)	Departed 5:07 AM				
5:05:00 AM	QG171	Jakarta (HL Citilink)	A320 (PK-GQM)	Departed 5:11 AM				
5:05:00 AM	QZ320	Kuala Lumpur AirAsia X	A320 (PK-AXI)	Departed 5:13 AM				
5:15:00 AM	GA631	Makassar (Garuda Ind)	CRJX (PK-GRN)	Departed 5:15 AM		0515-0529	4	
5:25:00 AM	JT708	Makassar (Lion Air)	B738 (PK-LPO)	Departed 5:30 AM				
5:25:00 AM	JT1708	Makassar (Lion Airline)	739	Unknown				
5:25:00 AM	QG820	Bandung (F Citilink)	A320 (PK-GQS)	Departed 5:42 AM				
5:30:00 AM	ID6401	Jakarta (CC Batik Air)	A320 (PK-LAQ)	Departed 5:37 AM	0530-0559	7 0530-0544	3	
5:30:00 AM	ID6896	Jakarta (CC Batik Air)	32A	Unknown				
5:35:00 AM	QG416	Pontianak (Citilink)	A320 (PK-GQQ)	Departed 5:39 AM				
5:45:00 AM	JT310	Banjarmasin (Lion Air)	B739 (PK-LHP)	Departed 6:38 AM		0545-0559	4	
5:45:00 AM	JT804	Denpasar (Lion Air)	B739 (PK-LGP)	Departed 5:55 AM				
5:45:00 AM	QG711	Jakarta (CC Citilink)	A320 (PK-GQA)	Departed 5:57 AM				
5:55:00 AM	GA7302	Blimbingas (Garuda Ind)	AT76 (PK-GAE)	Departed 6:02 AM				
6:00:00 AM	IW1804	Sampit Air (Wings Air)	AT75 (PK-WFJ)	Departed 8:13 AM	0600-0629	16 0600-0614	9	
6:00:00 AM	IW1914	Surakarta (Wings Air)	AT76 (PK-WGT)	Departed 7:46 AM				
6:00:00 AM	JT979	Medan (KN Lion Air)	B739 (PK-LHZ)	Departed 6:09 AM				
6:05:00 AM	CI752	Singapore (China Airline)	A333 (B-18307)	Departed 6:11 AM				
6:05:00 AM	IN242	Sampit Air (NAM Air)	B735 (PK-NAL)	Departed 6:13 AM				
6:05:00 AM	JT360	Balikpapan (Lion Air)	6C B739 (PK-LJO)	Departed 6:32 AM				
6:10:00 AM	IL712	Pangkalan (Trigana Air)	733	Unknown				
6:10:00 AM	QG430	Balikpapan (Citilink)	A320 (PK-GLO)	Departed 6:17 AM				
6:10:00 AM	QG484	Banjarmasin (Citilink)	320	Unknown				
6:15:00 AM	GA305	Jakarta (CC Garuda Ind)	B738 (PK-GFS)	Departed 6:19 AM		0615-0629	7	
6:15:00 AM	BI796	Brunei (BA Royal Brun)	A20N (V8-RBA)	Departed 6:21 AM				
6:15:00 AM	ID6597	Jakarta (CC Batik Air)	A320 (PK-LAU)	Departed 6:35 AM				
6:15:00 AM	ID6852	Jakarta (CC Batik Air)	32A	Unknown				
6:20:00 AM	QG946	Batam (BTI Citilink)	A320 (PK-GLI)	Departed 6:24 AM				
6:20:00 AM	SJ236	Sampit Air (Sriwijaya A)	735	Unknown				
6:25:00 AM	QG600	Kupang (KC Citilink)	A20N (PK-GTI)	Departed 6:36 AM				
6:35:00 AM	QG450	Palangkara (Citilink)	A320 (PK-GQI)	Departed 6:42 AM	0630-0659	6 0630-0644	1	
6:45:00 AM	JT571	Jakarta (CC Lion Air)	B738 (PK-LJR)	Departed 6:58 AM		0645-0659	4	
6:45:00 AM	QZ392	Johor Bahru (AirAsia X)	A320 (PK-AXI)	Departed 6:46 AM				
6:55:00 AM	JT262	Balikpapan (Lion Air)	D7 B739 (PK-LFF)	Departed 8:10 AM				
6:55:00 AM	JT690	Kupang (KC Lion Air)	B739 (PK-LJJ)	Departed 7:13 AM				
6:55:00 AM	JT962	Lombok (L Lion Air)	B739 (PK-LGT)	Departed 7:19 AM				
7:10:00 AM	QG346	Makassar (Citilink Gar)	A320 (PK-GQT)	Departed 7:38 AM	0700-0729	3 0700-0714	1	
7:20:00 AM	JT806	Makassar (Lion Air)	B739 (PK-LJP)	Departed 7:42 AM		0715-0729	2	
7:25:00 AM	ID7510	Jakarta (HL Batik Air)	B738 (PK-LBS)	Departed 7:33 AM				
7:30:00 AM	GA368	Semarang (Garuda Ind)	CRJX (PK-GRT)	Departed 8:16 AM	0730-0759	13 0730-0744	9	
7:30:00 AM	IW1843	Yogyakarta (Wings Air)	AT76 (PK-WFJ)	Departed 8:07 AM				
7:30:00 AM	QZ7689	Jakarta (CC AirAsia)	A320 (PK-AXV)	Departed 7:35 AM				
7:30:00 AM	SJ268	Jayapura (f Sriwijaya A)	733	Unknown				
7:30:00 AM	SJ545	Sorong (SO Sriwijaya A)	738	Unknown				
7:35:00 AM	ID6174	Ambon (AN Batik Air)	A320 (PK-LUH)	Departed 7:44 AM				
7:35:00 AM	ID6596	Ambon (AN Batik Air)	738	Unknown				
7:35:00 AM	IW1839	Semarang (Wings Air)	AT76 (PK-WGU)	Departed 7:40 AM				
7:40:00 AM	GA854	Singapore (Garuda Ind)	B738 (PK-GFR)	Departed 7:49 AM				
7:45:00 AM	IN276	Denpasar (Nam Air)	735	Unknown		0745-0759	4	
7:45:00 AM	IN377	Denpasar (Nam Air)	735	Unknown				
7:50:00 AM	GA307	Jakarta (CC Garuda Ind)	B738 (PK-GFL)	Departed 7:55 AM				
7:55:00 AM	QG694	Denpasar (Citilink)	A20N (PK-GTD)	Departed 8:41 AM				
8:00:00 AM	JT856	Palembang (Lion Air)	B738 (PK-LOJ)	Departed 8:50 AM	0800-0829	8 0800-0814	6	

8:05:00 AM	IN9276	Denpasar (Nam Air	735	Unknown			
8:05:00 AM	JT911	Bandung (f Lion Air	B738 (PK-LJQ)	Departed 8:46 AM			
8:05:00 AM	JT971	Batam (BT Lion Air	B739 (PK-LHL)	Departed 8:19 AM			
8:10:00 AM	JT748	Manado (N Lion Air	B739 (PK-LJL)	Departed 8:27 AM			
8:10:00 AM	JT929	Manado (N Lion Airline	739	Unknown			
8:20:00 AM	GA449	Jakarta (CC Garuda Ind	B738 (PK-GND)	Departed 9:01 AM	0815-0829		2
8:20:00 AM	ID6391	Jakarta (CC Batik Air	A320 (PK-LUM)	Departed 8:53 AM			
8:30:00 AM	CX780	Hong Kong Cathay Pac	A333 (B-HLF)	Departed 8:51 AM	0830-0859	6 0830-0844	4
8:30:00 AM	JT264	Balikpapan Lion Air	B739 (PK-LHJ)	Departed 9:07 AM			
8:35:00 AM	JT836	Pontianak | Malindo Aj	B738 (PK-LPV)	Departed 8:44 AM			
8:40:00 AM	GA309	Jakarta (CC Garuda Ind	B738 (PK-GMG)	Departed 9:21 AM			
8:50:00 AM	GA7306	Jember (JB Garuda Ind	AT76 (PK-GAE)	Departed 9:09 AM	0845-0859		2
8:50:00 AM	QZ8297	Kuala Lum| AirAsia X	A320 (PK-AXF)	Departed 8:56 AM			
9:00:00 AM	JT786	Makassar (Lion Air	B739 (PK-LFS)	Departed 9:05 AM	0900-0929	7 0900-0914	4
9:00:00 AM	JT852	Makassar (Lion Airline	739	Unknown			
9:00:00 AM	JT992	Makassar (Lion Airline	738	Unknown			
9:05:00 AM	JT573	Jakarta (CC Lion Air	B739 (PK-LJI)	Departed 9:26 AM			
9:20:00 AM	JT226	Banjarmasi Lion Air	B738 (PK-LJV)	Departed 9:38 AM	0915-0929		3
9:25:00 AM	JT951	Bandung (f Lion Air	B738 (PK-LPU)	Departed 11:18 AM			
9:25:00 AM	QG670	Lombok (L Citilink	A320 (PK-GQS)	Departed 10:36 AM			
9:30:00 AM	JT646	Lombok (L Lion Air	B739 (PK-LGP)	Departed 9:48 AM	0930-0959	7 0930-0944	4
9:30:00 AM	QG800	Semarang | Citilink	A320 (PK-GQF)	Departed 9:46 AM			
9:30:00 AM	SJ554	Ternate (T Sriwijaya A	B738 (PK-CLS)	Departed 9:49 AM			
9:30:00 AM	QG432	Balikpapan Citilink	320	Unknown	0945-0959		3
9:45:00 AM	QG713	Jakarta (CC Citilink	A320 (PK-GQA)	Departed 10:44 AM			
9:50:00 AM	JT680	Palangkara Lion Air	B739 (PK-LHP)	Departed 10:48 AM			
9:55:00 AM	TR265	Singapore | Scoot	A320 (9V-TRH)	Departed 10:41 AM			
10:00:00 AM	MH870	Kuala Lum| Malaysia A	B738 (9M-MSA)	Departed 10:53 AM	1000-1029	8 1000-1014	5
10:00:00 AM	JT169	Kuala Lum| Lion Air	B738 (PK-LOQ)	Departed 11:50 AM			
10:05:00 AM	GA311	Jakarta (CC Garuda Ind	A332 (PK-GPL)	Departed 10:50 AM			
10:10:00 AM	IW1872	Jember (JB Wings Air	AT75 (PK-WFJ)	Departed 12:29 PM			
10:10:00 AM	SQ931	Singapore | Singapore /	A333 (9V-SSA)	Departed 11:07 AM			
10:15:00 AM	JT108	Jeddah (JE| Lion Air	A333 (PK-LEH)	Departed 10:30 AM	1015-1029		3
10:15:00 AM	JT922	Denpasar (Lion Air	B739 (PK-LGT)	Departed 11:22 AM			
10:25:00 AM	JT362	Balikpapan Lion Air (6C	B739 (PK-LJO)	Departed 11:53 AM			
10:30:00 AM	IW1835	Semarang | Wings Air	AT76 (PK-WFJ)	Departed 11:35 AM	1030-1059	11 1030-1044	8
10:30:00 AM	JT312	Banjarmasi Lion Air (5C	B739 (PK-LHY)	Departed 1:01 PM			
10:35:00 AM	ID6573	Jakarta (CC Batik Air	A320 (PK-LUZ)	Departed 10:57 AM			
10:40:00 AM	IN225	Semarang | NAM Air	B735 (PK-NAL)	Departed 11:13 AM			
10:40:00 AM	QG715	Jakarta (CC Citilink	A320 (PK-GLQ)	Departed 11:10 AM			
10:40:00 AM	SJ225	Semarang | Sriwijaya A	738	Unknown			
10:40:00 AM	SJ564	Makassar (Sriwijaya A	733	Unknown			
10:40:00 AM	SJ566	Makassar (Sriwijaya A	B735 (PK-CLF)	Departed 11:03 AM	1045-1059		3
10:45:00 AM	IW1811	Yogyakarta Wings Air	AT76 (PK-WGU)	Departed 11:00 AM			
10:50:00 AM	GA364	Lombok (L Garuda Ind	CRJX (PK-GRT)	Departed 11:42 AM			
10:55:00 AM	SJ252	Balikpapan Sriwijaya A	735	Unknown			
11:00:00 AM	GA342	Denpasar (Garuda Ind	B738 (PK-GNE)	Departed 11:27 AM	1100-1129	8 1100-1114	6
11:00:00 AM	QG486	Banjarmasi Citilink	A20N (PK-GTD)	Departed 12:02 PM			
11:00:00 AM	SJ254	Kupang (KC Sriwijaya A	738	Unknown			
11:05:00 AM	JT3930	Denpasar (Lion Airline	7M8	Unknown			
11:10:00 AM	GA313	Jakarta (CC Garuda Ind	B738 (PK-GFZ)	Departed 11:56 AM			
11:10:00 AM	ID6130	Labuan Baj Batik Air	A320 (PK-LUG)	Departed 11:58 AM			
11:15:00 AM	QZ386	Penang (PE AirAsia X	A320 (PK-AXH)	Departed 11:30 AM	1115-1129		2
11:20:00 AM	JT692	Kupang (KC Lion Air	B739 (PK-LGM)	Departed 12:22 PM			
11:30:00 AM	QG930	Pekanbaru Citilink	320	Unknown	1130-1159	11 1130-1144	5
11:35:00 AM	ID6230	Makassar (Batik Air	738	Unknown			
11:35:00 AM	ID6284	Makassar (Batik Air	A320 (PK-LAL)	Departed 12:20 PM			
11:35:00 AM	JT222	Banjarmasi Lion Air	B739 (PK-LHT)	Departed 12:04 PM			
11:35:00 AM	QG434	Balikpapan Citilink	320	Unknown			
11:45:00 AM	GA7304	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed 12:11 PM	1145-1159		6

11:50:00 AM	ID7083	Jakarta (HL Batik Air)	32A	Unknown				
11:50:00 AM	ID7512	Jakarta (HL Batik Air)	B738 (PK-LBS)	Departed 1:33 PM				
11:50:00 AM	JT973	Batam (BT Lion Air)	B739 (PK-LKM)	Departed 12:38 PM				
11:50:00 AM	QG717	Jakarta (CC Citilink)	A20N (PK-GTI)	Departed 12:26 PM				
11:50:00 AM	QG948	Batam (BT Citilink)	A20N (PK-GTH)	Departed 12:42 PM				
12:00:00 PM	IW1880	Blimbingsa Wings Air	AT76 (PK-WGT)	Departed 1:26 PM	1200-1229	6	1200-1214	6
12:00:00 PM	SJ334	Bandar Lar Sriwijaya A	738	Unknown		1215-1229	0	
12:05:00 PM	JT260	Balikpapan Lion Air	B738 (PK-LJU)	Departed 1:28 PM				
12:10:00 PM	IN114	Kotabaru (I Nam Air)	AT7	Unknown				
12:10:00 PM	JT591	Jakarta (CC Lion Air)	B739 (PK-LFY)	Departed 2:18 PM				
12:10:00 PM	JT916	Bandung (F Lion Air)	B738 (PK-LOM)	Departed 3:57 PM				
12:30:00 PM	GA315	Jakarta (CC Garuda Ind	B738 (PK-GFD)	Departed 1:24 PM	1230-1259	10	1230-1244	5
12:35:00 PM	JT376	Samarinda Lion Airline	739	Unknown				
12:35:00 PM	QG834	Majalengk Citilink	320	Unknown				
12:40:00 PM	SJ269	Jakarta (CC Sriwijaya A	B738 (PK-CRH)	Departed 2:09 PM				
12:40:00 PM	ID6575	Jakarta (CC Batik Air)	B739 (PK-LBI)	Departed 2:00 PM				
12:45:00 PM	IW1808	Sumenep-! Wings Air	AT75 (PK-WFJ)	Departed 2:30 PM		1245-1259	5	
12:45:00 PM	QG986	Palembang Citilink	A320 (PK-GQS)	Departed 1:58 PM				
12:50:00 PM	JT706	Makassar (Lion Air	B739 (PK-LJP)	Departed 1:54 PM				
12:55:00 PM	QG436	Balikpapan Citilink	320	Unknown				
12:55:00 PM	QG696	Denpasar (Citilink	A320 (PK-GLI)	Departed 1:30 PM	1300-1329	6	1300-1314	5
1:00:00 PM	SV3591	Medina (M Saudia	B744 (TF-AAM)	Departed 1:40 PM				
1:00:00 PM	JT178	Lombok (L Lion Air	B739 (PK-LGP)	Departed 1:42 PM				
1:00:00 PM	JT736	Manado (N Lion Airline	7M8	Unknown				
1:05:00 PM	JT266	Balikpapan Lion Air	B738 (PK-LJV)	Departed 1:36 PM				
1:10:00 PM	JT862	Palangkara Malindo Aj	B738 (PK-LPV)	Departed 2:12 PM				
1:20:00 PM	QG692	Denpasar (Citilink	320	Unknown		1315-1329	1	
1:30:00 PM	GA974	Banda Aceh Garuda Ind	A333 (PK-GPG)	Departed 2:03 PM	1330-1259	12	1330-1344	9
1:30:00 PM	ID6412	Denpasar (Batik Air	B739 (PK-LBH)	Departed 2:34 PM				
1:30:00 PM	IN192	Pangkalan Nam Air	735	Unknown				
1:30:00 PM	IW1845	Yogyakarta Wings Air	AT7	Unknown				
1:30:00 PM	IW1873	Denpasar (Wings Air	AT75 (PK-WFJ)	Departed				
1:30:00 PM	JT258	Padang (PC Lion Air	B739 (PK-LHP)	Departed 2:23 PM				
1:30:00 PM	JT910	Denpasar (Lion Air	B739 (PK-LGT)	Departed 2:41 PM				
1:40:00 PM	QG307	Makassar (Citilink	A320 (PK-GQF)	Departed 3:03 PM				
1:40:00 PM	JT694	Kupang (KC Lion Airline	738	Unknown				
1:50:00 PM	JT577	Jakarta (CC Lion Air	B738 (PK-LOJ)	Departed 2:14 PM		1345-1359	3	
1:50:00 PM	JT695	Jakarta (CC Lion Airline	738	Unknown				
1:50:00 PM	QG173	Jakarta (HL Citilink	A20N (PK-GTF)	Departed 2:07 PM				
2:00:00 PM	JT949	Batam (BT Lion Airline	738	Unknown	1400-1429	4	1400-1414	3
2:05:00 PM	3K248	Singapore Jetstar Airv	A320 (9V-JSP)	Departed 2:17 PM				
2:10:00 PM	JT316	Banjarmasi Lion Air (5C	B739 (PK-LHY)	Departed 4:32 PM		1415-1429	1	
2:20:00 PM	QG824	Bandung (F Citilink	A320 (PK-GQA)	Departed 3:07 PM				
2:30:00 PM	IW1897	Semarang | Wings Air	AT76 (PK-WGT)	Departed 4:04 PM	1430-1259	9	1430-1444	5
2:35:00 PM	JT749	Jakarta (CC Lion Air	B739 (PK-LJJ)	Departed 3:36 PM				
2:40:00 PM	GA365	Semarang | Garuda Ind	CRJX (PK-GRT)	Departed 3:10 PM				
2:40:00 PM	IW1890	Pangkalan Wings Air	AT76 (PK-WFJ)	Departed 2:51 PM				
2:40:00 PM	SJ238	Sampit Air| Sriwijaya A	735	Unknown				
2:45:00 PM	GA7308	Yogyakarta Garuda Ind	AT76 (PK-GAE)	Departed 3:05 PM		1445-1459	4	
2:45:00 PM	JT366	Balikpapan Lion Airline	739	Unknown				
2:45:00 PM	QG438	Balikpapan Citilink	320	Unknown				
2:50:00 PM	IN244	Sampit Air| Nam Air	735	Unknown				
3:00:00 PM	JT864	Lombok (L Lion Airline	739	Unknown	1500-1529	8	1500-1514	5
3:00:00 PM	QG175	Jakarta (HL Citilink	320	Unknown				
3:05:00 PM	ID7502	Jakarta (HL Batik Air	A320 (PK-LAT)	Departed 3:12 PM				
3:05:00 PM	SJ232	Balikpapan Sriwijaya A	B735 (PK-CLF)	Departed 4:03 PM				
3:10:00 PM	QZ326	Kuala Lum| AirAsia X	A320 (PK-AXI)	Departed 3:23 PM				
3:15:00 PM	IW1809	Banjarmasi Wings Air	AT7	Unknown		1515-1529	4	
3:15:00 PM	JT220	Banjarmasi Lion Air (9C	B738 (PK-LKV)	Departed 3:49 PM				
3:15:00 PM	JT268	Tarakan (Tl Lion Air	B739 (PK-LHT)	Departed 3:40 PM				

3:30:00 PM	GA319	Jakarta (CC Garuda Ind	A332 (PK-GPL)	Departed 4:01 PM	1530-1559	7 1530-1544	4
3:35:00 PM	ID7508	Jakarta (HL Batik Air	A320 (PK-LAO)	Departed 3:53 PM			
3:35:00 PM	QG672	Lombok (L Lion Airline	A20N (PK-GTI)	Departed 4:25 PM			
3:40:00 PM	JT581	Jakarta (CC Lion Airline	739	Unknown			
3:50:00 PM	GA321	Jakarta (CC Garuda Ind	B738 (PK-GNE)	Departed 4:10 PM		1545-1559	3
3:50:00 PM	MH872	Kuala Lumpur Malaysia A	B738 (9M-MLE)	Departed 4:08 PM			
3:55:00 PM	SJ235	Yogyakarta Sriwijaya A	735	Unknown			
4:00:00 PM	SV3899	Jeddah (JEI Saudia	B744 (TF-AAL)	Departed 4:13 PM	1600-1629	8 1600-1614	2
4:00:00 PM	JT318	Banjarmasin Lion Airline	739	Unknown			
4:15:00 PM	JT822	Lombok (L Lion Airline	738	Scheduled		1615-1629	6
4:15:00 PM	JT982	Pekanbaru Lion Air	B739 (PK-LJJ)	Departed 4:21 PM			
4:20:00 PM	ID7107	Jakarta (HL Batik Air	738	Scheduled			
4:20:00 PM	ID7514	Jakarta (HL Batik Air	738	Scheduled			
4:25:00 PM	GA344	Denpasar (Garuda Ind	738	Scheduled			
4:25:00 PM	MI223	Singapore (SilkAir	A320 (9V-SLR)	Departed 4:47 PM			
4:30:00 PM	JT599	Jakarta (CC Lion Airline	739	Scheduled	1630-1659	9 1630-1644	5
4:30:00 PM	JT722	Kendari (KI Lion Airline	739	Scheduled			
4:30:00 PM	QZ330	Kuala Lumpur AirAsia X	A320 (PK-AXJ)	Departed 4:35 PM			
4:35:00 PM	IW1816	Yogyakarta Wings Air	AT7	Scheduled			
4:35:00 PM	SJ255	Jakarta (CC Sriwijaya A	738	Scheduled			
4:45:00 PM	JT838	Pontianak (Lion Airline	738	Scheduled		1645-1659	4
4:50:00 PM	JT364	Balikpapan Lion Airline	738	Scheduled			
4:50:00 PM	JT693	Jakarta (CC Lion Airline	739	Scheduled			
4:50:00 PM	QG488	Banjarmasin Citilink	320	Scheduled			

5:00:00 PM	JT165	Kuala Lumpur Lion Airline	738	Scheduled	1700-1729	4 1700-1714	3
5:10:00 PM	GA338	Denpasar (Garuda Ind	CRK	Scheduled			
5:20:00 PM	QG348	Makassar (Citilink	320	Scheduled			
5:25:00 PM	ID7579	Jakarta (CC Batik Air	32A	Scheduled		1715-1729	2
5:30:00 PM	QG719	Jakarta (CC Citilink	320	Scheduled	1730-1759	6 1730-1744	2
5:30:00 PM	JT642	Lombok (L Lion Airline	739	Scheduled			
5:45:00 PM	GA373	Bandung (E Garuda Ind	738	Scheduled		1745-1759	4
5:50:00 PM	IN376	Bandung (E Nam Air	735	Scheduled			
5:50:00 PM	JT780	Makassar (Lion Airline	739	Scheduled			
5:55:00 PM	IN9376	Bandung (E Nam Air	735	Scheduled			
6:00:00 PM	GA323	Jakarta (CC Garuda Ind	332	Scheduled	1800-1829	12 1800-1814	6
6:00:00 PM	GA367	Makassar (Garuda Ind	CRK	Scheduled			
6:00:00 PM	QG418	Pontianak (Citilink	320	Scheduled			
6:05:00 PM	JT730	Balikpapan Lion Airline	738	Scheduled			
6:05:00 PM	JT858	Balikpapan Lion Airline	738	Scheduled			
6:10:00 PM	QG698	Denpasar (Citilink	320	Scheduled			
6:15:00 PM	JT149	Bandar Lampung Lion Airline	739	Scheduled		1815-1829	6
6:20:00 PM	GA448	Kupang (KC Garuda Ind	738	Scheduled			
6:20:00 PM	JT704	Makassar (Lion Airline	738	Scheduled			
6:25:00 PM	ID6581	Jakarta (CC Batik Air	32A	Scheduled			
6:25:00 PM	IN227	Semarang (Nam Air	735	Scheduled			
6:25:00 PM	SJ259	Jakarta (CC Sriwijaya A	733	Scheduled			
6:30:00 PM	QG177	Jakarta (HL Citilink	320	Scheduled	1830-1859	7 1830-1844	4
6:40:00 PM	GA325	Jakarta (CC Garuda Ind	738	Scheduled			
6:40:00 PM	JT682	Palangkaraya Lion Airline	739	Scheduled			
6:40:00 PM	MI225	Singapore (SilkAir	738	Scheduled			
6:45:00 PM	ID7516	Jakarta (HL Batik Air	32A	Scheduled		1845-1859	3
6:50:00 PM	SJ227	Semarang (Sriwijaya A	735	Scheduled			
6:55:00 PM	QG806	Semarang (Citilink	320	Scheduled			
7:00:00 PM	JT696	Kupang (KC Lion Airline	739	Scheduled	1900-1929	5 1900-1914	3
7:10:00 PM	QG721	Jakarta (CC Citilink	320	Scheduled			
7:10:00 PM	SJ264	Denpasar (Sriwijaya A	735	Scheduled			

7:15:00 PM	JT697	Jakarta (CC Lion Airline)	738	Scheduled		1915-1929	2
7:15:00 PM	QZ7624	Denpasar (AirAsia X)	A320 (PK-AXF)	Scheduled			
7:30:00 PM	IW1813	Yogyakarta Wings Air	AT7	Scheduled	1930-1959	10 1930-1944	6
7:35:00 PM	GA327	Jakarta (CC Garuda Ind)	738	Scheduled			
7:40:00 PM	IW1801	Semarang (Wings Air)	AT7	Scheduled			
7:40:00 PM	QG179	Jakarta (HL Citilink)	320	Scheduled			
7:40:00 PM	QG440	Balikpapan Citilink	320	Scheduled			
7:40:00 PM	SJ267	Jakarta (CC Sriwijaya A)	735	Scheduled			
7:45:00 PM	JT585	Jakarta (CC Lion Airline)	739	Scheduled	1945-1959	4	
7:45:00 PM	JT990	Denpasar (Lion Airline)	739	Scheduled			
7:55:00 PM	ID6175	Jakarta (CC Batik Air)	32A	Scheduled			
7:55:00 PM	ID7520	Jakarta (CC Batik Air)	32A	Scheduled			
8:00:00 PM	QG723	Jakarta (CC Citilink)	320	Scheduled	2000-2029	1 2000-2014	1
8:30:00 PM	GA329	Jakarta (CC Garuda Ind)	738	Scheduled	2030-2059	5 2015-2029	0
8:30:00 PM	QG725	Jakarta (CC Citilink)	320	Scheduled		2030-2044	2
8:50:00 PM	IW1847	Yogyakarta Wings Air	AT7	Scheduled		2045-2059	3
8:55:00 PM	GA331	Jakarta (CC Garuda Ind)	738	Scheduled			
8:55:00 PM	ID7518	Jakarta (HL Batik Air)	738	Scheduled			
9:10:00 PM	ID6309	Jakarta (CC Batik Air)	32A	Scheduled	2100-2129	4 2100-2114	1
9:15:00 PM	QG727	Jakarta (CC Citilink)	320	Scheduled		2115-2129	3
9:15:00 PM	SJ570	Makassar (Sriwijaya A)	735	Scheduled			
9:25:00 PM	SJ562	Makassar (Sriwijaya A)	733	Scheduled			
9:30:00 PM	JT595	Jakarta (CC Lion Airline)	739	Scheduled	2130-2159	2 2130-2144	1
9:45:00 PM	ID6583	Jakarta (CC Batik Air)	32A	Scheduled		2145-2159	1
10:00:00 PM	ID6136	Makassar (Batik Air)	32A	Scheduled	2200-2229	5 2200-2214	2
10:00:00 PM	ID8196	Makassar (Batik Air)	32A	Scheduled			
10:25:00 PM	JT880	Makassar (Lion Airline)	739	Scheduled		2215-2229	3
10:25:00 PM	JT800	Makassar (Lion Airline)	739	Scheduled			
10:25:00 PM	JT1798	Makassar (Lion Airline)	739	Scheduled			
10:35:00 PM	JT821	Jakarta (CC Lion Airline)	738	Scheduled	2230-2259	2 2230-2244	1
10:45:00 PM	JT3780	Makassar (Lion Airline)	739	Scheduled		2245-2259	1

Friday, Nov 16

5:00:00 AM	QZ7681	Jakarta (CC AirAsia X)	A320 (PK-AXI)	Departed 5:00 AM	0500-0529	10 0500-0514	6
5:00:00 AM	XT7681	Jakarta (CC Indonesia)	320	Unknown			
5:00:00 AM	ID6150	Sorong (SQ Batik Air)	A320 (PK-LAW)	Departed 5:02 AM			
5:00:00 AM	SJ257	Jakarta (CC Sriwijaya A)	B738 (PK-CRI)	Departed 5:17 AM			
5:05:00 AM	QG171	Jakarta (HL Citilink)	A320 (PK-GQI)	Departed 5:09 AM	0515-0529	4	
5:05:00 AM	QZ320	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Departed 5:07 AM			
5:15:00 AM	GA631	Makassar (Garuda Ind)	CRJX (PK-GRJ)	Unknown			
5:25:00 AM	JT1708	Makassar (Lion Airline)	739	Unknown			
5:25:00 AM	JT708	Makassar (Lion Air)	B738 (PK-LOM)	Departed 5:31 AM			
5:25:00 AM	QG820	Bandung (F Citilink)	A320 (PK-GQS)	Departed 5:28 AM			
5:30:00 AM	GA303	Jakarta (CC Garuda Ind)	B738 (PK-GFN)	Departed 5:44 AM	0530-0559	8 0530-0544	4
5:30:00 AM	ID6401	Jakarta (CC Batik Air)	A320 (PK-LUG)	Departed 5:40 AM			
5:30:00 AM	ID6896	Jakarta (CC Batik Air)	32A	Unknown			
5:35:00 AM	QG416	Pontianak (Citilink)	A320 (PK-GQH)	Departed 5:47 AM			
5:45:00 AM	JT310	Banjarmasin (Lion Air)	B739 (PK-LKM)	Departed 5:50 AM	0545-0559	4	
5:45:00 AM	JT804	Denpasar (Lion Airline)	739	Unknown			
5:45:00 AM	QG711	Jakarta (CC Citilink)	A320 (PK-GQJ)	Departed 5:55 AM			
5:55:00 AM	GA7302	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed 5:52 AM			
6:00:00 AM	IW1804	Sampit Air (Wings Air)	AT76 (PK-WGO)	Departed 5:57 AM	0600-0629	18 0600-0614	10
6:00:00 AM	IW1914	Surakarta (Wings Air)	AT75 (PK-WFJ)	Departed 6:04 AM			
6:00:00 AM	JT979	Medan (KN Lion Air)	B739 (PK-LHP)	Departed 6:26 AM			
6:00:00 AM	SJ566	Makassar (Sriwijaya A)	735	Unknown			
6:05:00 AM	CI752	Singapore (China Airliner)	A333 (B-18356)	Departed 6:15 AM			
6:05:00 AM	IN242	Sampit Air (NAM Air)	B735 (PK-NAL)	Departed 6:52 AM			
6:05:00 AM	JT360	Balikpapan (Lion Air)	B739 (PK-LHH)	Departed 6:09 AM	0615-0629	8	
6:10:00 AM	IL712	Pangkalan (Trigana Air)	733	Unknown			
6:10:00 AM	QG430	Balikpapan (Citilink)	A320 (PK-GLO)	Departed 6:17 AM			

6:10:00 AM	QG484	Banjarmasi Citilink	320	Unknown				
6:15:00 AM	GA305	Jakarta (CC Garuda Ind	B738 (PK-GNJ)	Departed 6:22 AM				
6:15:00 AM	BI796	Brunei (BV Royal Brun	A20N (V8-RBF)	Departed 6:18 AM				
6:15:00 AM	ID6597	Jakarta (CC Batik Air	A320 (PK-LUU)	Departed 6:28 AM				
6:15:00 AM	ID6852	Jakarta (CC Batik Air	32A	Unknown				
6:20:00 AM	QG946	Batam (BTI Citilink	A20N (PK-GTH)	Departed 6:42 AM				
6:20:00 AM	QZ324	Kuala Lumj AirAsia X	A320 (PK-AXJ)	Departed 6:39 AM				
6:20:00 AM	SJ236	Sampit Air Sriwijaya A	735	Unknown				
6:25:00 AM	QG600	Kupang (KC Citilink	A20N (PK-GTC)	Departed 6:48 AM				
6:35:00 AM	QG450	Palangkara Citilink	A320 (PK-GLP)	Departed 6:46 AM	0630-0659	5 0630-0644	1	
6:45:00 AM	JT571	Jakarta (CC Lion Air	B739 (PK-LFY)	Departed 6:56 AM		0645-0659	4	
6:55:00 AM	JT262	Balikpapan Lion Air (5C	B739 (PK-LHY)	Departed 7:18 AM				
6:55:00 AM	JT690	Kupang (KC Lion Air	B739 (PK-LHL)	Departed 7:21 AM				
6:55:00 AM	JT962	Lombok (L Lion Air (6C	B739 (PK-LJO)	Departed 7:00 AM				
7:10:00 AM	QG346	Makassar (Citilink	A20N (PK-GTD)	Departed 7:13 AM	0700-0729	3 0700-0714	1	
7:20:00 AM	JT806	Makassar (Lion Air	B739 (PK-LGW)	Departed 7:27 AM		0715-0729	2	
7:25:00 AM	ID7510	Jakarta (HL Batik Air	738	Unknown				
7:30:00 AM	GA368	Surabaya Garuda Ind	CRJX (PK-GRI)	Departed	0730-0759	12 0730-0744	8	
7:30:00 AM	IW1843	Yogyakarta Wings Air	AT76 (PK-WGH)	Departed 8:24 AM				
7:30:00 AM	QZ7689	Jakarta (CC AirAsia	A320 (PK-AXD)	Departed 7:25 AM				
7:30:00 AM	SJ268	Jayapura (I Sriwijaya A	733	Unknown				
7:35:00 AM	ID6174	Ambon (AN Batik Air	A320 (PK-LUV)	Departed 7:35 AM				
7:35:00 AM	ID6596	Ambon (AN Batik Air	738	Unknown				
7:35:00 AM	IW1839	Surabaya Wings Air	AT76 (PK-WJF)	Departed 7:57 AM				
7:40:00 AM	GA854	Singapore | Garuda Ind	B738 (PK-GFR)	Departed 7:39 AM				
7:45:00 AM	IN276	Denpasar (Nam Air	735	Unknown		0745-0759	4	
7:45:00 AM	IN377	Denpasar (NAM Air	B735 (PK-NAU)	Departed 8:12 AM				
7:50:00 AM	GA307	Jakarta (CC Garuda Ind	B738 (PK-GFL)	Departed 7:55 AM				
7:55:00 AM	QG694	Denpasar (Citilink	A320 (PK-GQR)	Departed 8:07 AM				
8:00:00 AM	JT856	Palembang Lion Air	B738 (PK-LPT)	Departed 8:03 AM	0800-0829	8 0800-0814	6	
8:05:00 AM	IN9276	Denpasar (Nam Air	735	Unknown				
8:05:00 AM	JT911	Bandung (F Lion Air	B738 (PK-LJQ)	Departed 8:15 AM				
8:05:00 AM	JT971	Batam (BTI Lion Airline	739	Unknown				
8:10:00 AM	JT748	Manado (N Lion Air	B739 (PK-LKL)	Departed 10:20 AM				
8:10:00 AM	JT929	Manado (N Lion Airline	739	Unknown				
8:20:00 AM	GA449	Jakarta (CC Garuda Ind	B738 (PK-GMR)	Departed 8:22 AM		0815-0829	2	
8:20:00 AM	ID6391	Jakarta (CC Batik Air	A320 (PK-LAJ)	Departed 8:32 AM				
8:30:00 AM	CX780	Hong Kong Cathay Pac	A333 (B-HLV)	Departed 8:48 AM	0830-0859	6 0830-0844	4	
8:30:00 AM	JT264	Balikpapan Lion Air	B739 (PK-LHJ)	Departed 8:35 AM				
8:30:00 AM	QZ695	Jakarta (CC AirAsia X	A320 (PK-AXF)	Departed 8:30 AM				
8:35:00 AM	JT836	Pontianak | Lion Air	B738 (PK-LPO)	Departed 8:41 AM				
8:50:00 AM	GA7306	Jember (JB Garuda Ind	AT76 (PK-GAE)	Departed 9:07 AM		0845-0859	2	
8:50:00 AM	QZ8297	Kuala Lumj AirAsia X	A320 (PK-AXI)	Departed 9:10 AM				
9:00:00 AM	JT786	Makassar (Lion Air	B739 (PK-LGR)	Departed 9:16 AM	0900-0929	7 0900-0914	4	
9:00:00 AM	JT992	Makassar (Lion Air	B738 (PK-LKR)	Unknown				
9:00:00 AM	JT852	Makassar (Lion Air	B38M (PK-LQM)	Unknown				
9:05:00 AM	JT573	Jakarta (CC Lion Air	B739 (PK-LHT)	Departed 9:19 AM				
9:20:00 AM	JT226	Banjarmasi Lion Air (9C	B738 (PK-LKV)	Departed 10:05 AM		0915-0929	3	
9:25:00 AM	JT951	Bandung (F Lion Air	B738 (PK-LJV)	Departed 10:15 AM				
9:25:00 AM	QG670	Lombok (L Citilink	A320 (PK-GQS)	Departed 9:31 AM				
9:30:00 AM	JT646	Lombok (L Lion Airline	739	Unknown	0930-0959	6 0930-0944	3	
9:30:00 AM	QG800	Surabaya Garuda Ind	A320 (PK-GQL)	Departed 9:36 AM				
9:30:00 AM	QG432	Balikpapan Citilink	320	Unknown				
9:45:00 AM	QG713	Jakarta (CC Citilink	A320 (PK-GQJ)	Departed 10:02 AM		0945-0959	3	
9:50:00 AM	JT680	Palangkara Lion Air	B739 (PK-LKM)	Departed 9:57 AM				
9:55:00 AM	TR265	Singapore | Scoot	A320 (9V-TAO)	Departed 10:27 AM				
10:00:00 AM	MH870	Kuala Lumj Malaysia A	B738 (9M-MLM)	Departed 10:11 AM	1000-1029	7 1000-1014	5	
10:00:00 AM	JT169	Kuala Lumj Lion Air	B738 (PK-LKT)	Departed 10:23 AM				
10:05:00 AM	GA311	Jakarta (CC Garuda Ind	A332 (PK-GPO)	Departed 10:17 AM				
10:10:00 AM	IW1872	Jember (JB Wings Air	AT76 (PK-WHU)	Departed 10:07 AM				

10:10:00 AM	SQ931	Singapore | Singapore / A333 (9V-SSH)	Departed 10:45 AM		1015-1029	2
10:15:00 AM	JT922	Denpasar (Lion Air (6C B739 (PK-LJO)	Departed 10:29 AM			
10:25:00 AM	JT362	Balikpapan | Lion Air B739 (PK-LHH)	Departed 10:32 AM	1030-1059	11 1030-1044	7
10:30:00 AM	IW1835	Surabaya (Wings Air AT76 (PK-WGH)	Departed 12:13 PM			
10:30:00 AM	JT312	Banjarmasin | Lion Air B739 (PK-LHK)	Departed 10:42 AM			
10:35:00 AM	ID6573	Jakarta (CC Batik Air A320 (PK-LAO)	Departed 10:47 AM			
10:40:00 AM	IN225	Semarang | NAM Air B735 (PK-NAL)	Departed 11:55 AM			
10:40:00 AM	QG715	Jakarta (CC Citilink A320 (PK-GLO)	Departed 12:03 PM			
10:40:00 AM	SJ225	Surabaya (Sriwijaya A 738	Unknown			
10:40:00 AM	SJ564	Makassar (Sriwijaya A B738 (PK-CMT)	Departed 12:07 PM		1045-1059	3
10:45:00 AM	IW1811	Yogyakarta | Wings Air AT76 (PK-WJF)	Departed 11:11 AM			
10:50:00 AM	GA364	Lombok (Garuda Ind CRJX (PK-GRI)	Unknown			
10:55:00 AM	SJ252	Balikpapan | Sriwijaya A B735 (PK-CLF)	Departed 11:29 AM			
11:00:00 AM	GA342	Denpasar (Garuda Ind B738 (PK-GMQ)	Departed 11:20 AM	1100-1129	8 1100-1114	5
11:00:00 AM	QG486	Banjarmasin | Citilink A320 (PK-GQR)	Departed 11:24 AM			
11:00:00 AM	SJ254	Kupang (KC Sriwijaya A 738	Unknown			
11:10:00 AM	GA313	Jakarta (CC Garuda Ind B738 (PK-GNT)	Departed 11:46 AM			
11:10:00 AM	ID6130	Labuan Bajo | Batik Air A320 (PK-LUH)	Departed 11:48 AM			
11:15:00 AM	QZ386	Penang (PE AirAsia X A320 (PK-AXH)	Departed 11:27 AM		1115-1129	2
11:20:00 AM	JT692	Kupang (KC Lion Air B739 (PK-LFU)	Departed 11:59 AM			
11:30:00 AM	QG930	Pekanbaru | Citilink 320	Unknown	1130-1159	12 1130-1144	6
11:35:00 AM	ID6230	Makassar (Batik Air 738	Unknown			
11:35:00 AM	ID6284	Makassar (Batik Air A320 (PK-LZI)	Departed 12:18 PM			
11:35:00 AM	JT222	Banjarmasin | Lion Air B739 (PK-LJH)	Departed 11:39 AM			
11:35:00 AM	QG434	Balikpapan | Citilink 320	Unknown			
11:40:00 AM	ID6680	Samarinda | Batik Air 32A	Unknown		1145-1159	6
11:45:00 AM	GA7304	Blimbingisa | Garuda Ind AT76 (PK-GAE)	Departed 12:15 PM			
11:50:00 AM	ID7512	Jakarta (HL Batik Air B738 (PK-LBS)	Departed 12:10 PM			
11:50:00 AM	ID7083	Jakarta (HL Batik Air 32A	Unknown			
11:50:00 AM	JT973	Batam (BTI Lion Air B739 (PK-LHI)	Departed 12:47 PM			
11:50:00 AM	QG717	Jakarta (CC Citilink A20N (PK-GTC)	Departed 12:27 PM			
11:50:00 AM	QG948	Batam (BTI Citilink A20N (PK-GTH)	Departed 12:24 PM			
12:00:00 PM	IN116	Batu Licin (NAM Air AT76 (PK-NYZ)	Departed 12:21 PM	1200-1229	6 1200-1214	6
12:00:00 PM	IW1880	Blimbingisa | Wings Air AT75 (PK-WFJ)	Departed 12:43 PM		1215-1229	0
12:00:00 PM	SJ334	Bandar Lampung | Sriwijaya A 738	Unknown			
12:05:00 PM	JT260	Balikpapan | Lion Air (6C B739 (PK-LHY)	Departed 12:32 PM			
12:10:00 PM	JT591	Jakarta (CC Lion Air B739 (PK-LHO)	Departed 12:41 PM			
12:10:00 PM	JT916	Bandung (Lion Air B738 (PK-LOV)	Departed 12:38 PM			
12:30:00 PM	GA315	Jakarta (CC Garuda Ind B738 (PK-GFG)	Departed 12:53 PM	1230-1259	10 1230-1244	5
12:35:00 PM	JT376	Samarinda | Lion Airline 739	Unknown			
12:35:00 PM	QG834	Majalengka | Citilink A320 (PK-GLA)	Departed 12:57 PM			
12:40:00 PM	SJ269	Jakarta (CC Sriwijaya A B738 (PK-CMU)	Departed 4:58 PM			
12:40:00 PM	ID6575	Jakarta (CC Batik Air B739 (PK-LBH)	Departed 1:18 PM			
12:45:00 PM	IW1808	Sumenep (I Wings Air AT76 (PK-WHU)	Departed 12:49 PM		1245-1259	5
12:45:00 PM	QG986	Palembang | Citilink A320 (PK-GQS)	Departed 1:29 PM			
12:50:00 PM	JT706	Makassar (Lion Air B739 (PK-LGW)	Departed 3:13 PM			
12:55:00 PM	QG436	Balikpapan | Citilink 320	Unknown			
12:55:00 PM	QG696	Denpasar (Citilink A320 (PK-GLJ)	Departed 1:21 PM			
1:00:00 PM	JT178	Lombok (L Lion Airline 739	Unknown	1300-1329	4 1300-1314	3
1:05:00 PM	JT266	Balikpapan | Lion Air (9C B738 (PK-LKV)	Departed 1:41 PM			
1:10:00 PM	JT862	Palangka Raya | Lion Air B738 (PK-LJS)	Departed 1:37 PM			
1:20:00 PM	QG692	Denpasar (Citilink 320	Unknown		1315-1329	1
1:30:00 PM	GA317	Jakarta (CC Garuda Ind B738 (PK-GFE)	Departed 1:51 PM	1330-1259	12 1330-1344	9
1:30:00 PM	JT736	Manado (N Lion Air B739 (PK-LKM)	Departed 2:15 PM			
1:30:00 PM	ID6412	Denpasar (Batik Air A320 (PK-LAY)	Departed 1:44 PM			
1:30:00 PM	IN192	Pangkalan Bun | Nam Air 735	Unknown			
1:30:00 PM	IW1845	Yogyakarta | Wings Air AT76 (PK-WGH)	Departed 3:25 PM			
1:30:00 PM	IW1873	Denpasar (Wings Air AT7	Unknown			
1:30:00 PM	JT910	Denpasar (Lion Air (6C B739 (PK-LJO)	Departed 2:13 PM			
1:40:00 PM	QG307	Makassar (Citilink A320 (PK-GQL)	Departed 1:47 PM			

1:40:00 PM	JT694	Kupang (KC Lion Airline)	738	Unknown				
1:50:00 PM	JT577	Jakarta (CC Lion Air)	B739 (PK-LPH)	Departed 2:04 PM		1345-1359		3
1:50:00 PM	JT695	Jakarta (CC Lion Airline)	738	Unknown				
1:50:00 PM	QG173	Jakarta (HL Citilink)	A20N (PK-GTF)	Departed 1:55 PM				
2:00:00 PM	JT949	Batam (BTI Lion Air)	B738 (PK-LPO)	Departed 2:10 PM				
2:05:00 PM	3K248	Singapore | Jetstar Airv	A320 (9V-JSN)	Departed 2:18 PM	1400-1429	3	1400-1414	2
2:10:00 PM	JT316	Banjarmasi Lion Air	B739 (PK-LHK)	Departed 3:19 PM				
2:20:00 PM	QG824	Bandung (E Citilink)	A320 (PK-GQJ)	Departed 2:42 PM		1415-1429		1
2:30:00 PM	IW1897	Surabaya (Wings Air)	AT75 (PK-WFJ)	Departed 3:29 PM	1430-1259	10	1430-1444	6
2:35:00 PM	JT749	Jakarta (CC Lion Air)	B739 (PK-LGY)	Departed 6:00 PM				
2:40:00 PM	GA365	Surabaya (Garuda Ind)	CRJX (PK-GRI)	Departed				
2:40:00 PM	IW1890	Pangkalan (Wings Air)	AT76 (PK-WHU)	Departed 2:45 PM				
2:40:00 PM	SJ238	Sampit Air (Sriwijaya A)	735	Unknown				
2:40:00 PM	ID6682	Samarinda (Batik Air)	32A	Unknown				
2:45:00 PM	GA7308	Yogyakarta (Garuda Ind)	AT76 (PK-GAE)	Departed 3:23 PM		1445-1459		4
2:45:00 PM	JT366	Balikpapan (Lion Air)	B739 (PK-LHH)	Departed 3:07 PM				
2:45:00 PM	QG438	Balikpapan (Citilink)	320	Unknown				
2:50:00 PM	IN244	Sampit Air (Nam Air)	735	Unknown				
3:00:00 PM	QG175	Jakarta (HL Citilink)	A20N (PK-GTD)	Departed 3:41 PM	1500-1529	9	1500-1514	6
3:00:00 PM	JT864	Lombok (L Lion Airline)	739	Unknown				
3:05:00 PM	ID7502	Jakarta (HL Batik Air)	A320 (PK-LAP)	Departed 3:11 PM				
3:05:00 PM	SJ232	Balikpapan (Sriwijaya A)	733	Unknown				
3:10:00 PM	QZ326	Kuala Lumpur (AirAsia X)	A320 (PK-AXI)	Departed 3:34 PM				
3:10:00 PM	IN3771	Denpasar (NAM Air)	B735 (PK-NAL)	Departed 3:21 PM		1515-1529		3
3:15:00 PM	IW1809	Banjarmasin (Wings Air)	AT7	Unknown				
3:15:00 PM	JT268	Tarakan (TI Lion Air)	B739 (PK-LHL)	Departed 4:48 PM				
3:15:00 PM	JT220	Banjarmasin (Lion Airline)	738	Unknown				
3:30:00 PM	GA319	Jakarta (CC Garuda Ind)	A332 (PK-GPO)	Departed 3:38 PM	1530-1559	5	1530-1544	4
3:35:00 PM	ID7508	Jakarta (HL Batik Air)	A320 (PK-LAO)	Departed 3:46 PM				
3:35:00 PM	QG672	Lombok (L Citilink)	A20N (PK-GTC)	Departed 4:45 PM				
3:40:00 PM	JT581	Jakarta (CC Lion Air)	B739 (PK-LHM)	Departed 5:08 PM				
3:50:00 PM	GA321	Jakarta (CC Garuda Ind)	B738 (PK-GMQ)	Departed 3:59 PM		1545-1559		1
4:00:00 PM	JT318	Banjarmasin (Lion Air)	B739 (PK-LGP)	Departed 6:08 PM	1600-1629	8	1600-1614	1
4:15:00 PM	JT822	Lombok (L Lion Air)	B738 (PK-LOV)	Departed 5:52 PM		1615-1629		7
4:15:00 PM	JT982	Pekanbaru (Lion Air)	B739 (PK-LFS)	Departed 4:20 PM				
4:15:00 PM	SJ235	Yogyakarta (Sriwijaya A)	B738 (PK-CLS)	Departed 6:46 PM				
4:20:00 PM	ID7107	Jakarta (HL Batik Air)	738	Unknown				
4:20:00 PM	ID7514	Jakarta (HL Batik Air)	B738 (PK-LBS)	Departed 4:36 PM				
4:25:00 PM	GA344	Denpasar (Garuda Ind)	B738 (PK-GNA)	Departed 4:27 PM				
4:25:00 PM	MI223	Singapore (SilkAir)	A320 (9V-SLR)	Departed 5:32 PM				
4:30:00 PM	JT722	Kendari (KI Lion Air)	B739 (PK-LFZ)	Departed 6:06 PM	1630-1659	8	1630-1644	5
4:30:00 PM	QZ330	Kuala Lumpur (AirAsia X)	A320 (PK-AXJ)	Departed 4:50 PM				
4:30:00 PM	JT599	Jakarta (CC Lion Airline)	739	Unknown				
4:35:00 PM	IW1816	Yogyakarta (Wings Air)	AT76 (PK-WHU)	Departed 6:37 PM				
4:35:00 PM	SJ255	Jakarta (CC Sriwijaya A)	738	Unknown				
4:45:00 PM	JT838	Pontianak (Lion Air)	B738 (PK-LPT)	Departed 5:25 PM		1645-1659		3
4:50:00 PM	JT364	Balikpapan (Lion Air)	B738 (PK-LJS)	Departed 5:01 PM				
4:50:00 PM	JT693	Jakarta (CC Lion Air)	B739 (PK-LHW)	Departed 6:14 PM				
5:00:00 PM	QG488	Banjarmasin (Citilink)	A320 (PK-GLA)	Departed 5:22 PM	1700-1729	5	1700-1714	3
5:00:00 PM	JT165	Kuala Lumpur (Lion Airline)	738	Unknown				
5:10:00 PM	GA338	Denpasar (Garuda Ind)	CRJX (PK-GRO)	Unknown				
5:20:00 PM	QG348	Makassar (Citilink)	A320 (PK-GLR)	Departed 5:43 PM		1715-1729		2
5:25:00 PM	ID7579	Jakarta (CC Batik Air)	A320 (PK-LUQ)	Departed 5:56 PM				
5:30:00 PM	JT642	Lombok (L Lion Air)	B739 (PK-LGM)	Departed 8:48 PM	1730-1759	6	1730-1744	2
5:30:00 PM	QG719	Jakarta (CC Citilink)	A20N (PK-GTH)	Departed 6:04 PM				
5:45:00 PM	GA373	Bandung (E Garuda Ind)	B738 (PK-GMU)	Departed 6:02 PM		1745-1759		4
5:50:00 PM	IN376	Bandung (E Nam Air)	735	Unknown				
5:50:00 PM	JT780	Makassar (Lion Airline)	739	Unknown				
5:55:00 PM	IN9376	Bandung (E Nam Air)	735	Unknown				
6:00:00 PM	GA323	Jakarta (CC Garuda Ind)	B77W (PK-GIE)	Departed 6:22 PM	1800-1829	12	1800-1814	6

6:00:00 PM	GA367	Makassar (Garuda Ind	CRJX (PK-GRI)	Unknown			
6:00:00 PM	QG418	Pontianak | Citilink	A320 (PK-GLP)	Departed 5:09 PM			
6:05:00 PM	JT730	Balikpapan | Lion Air	B738 (PK-LJV)	Departed 8:10 PM			
6:05:00 PM	JT858	Balikpapan | Lion Airline	738	Unknown			
6:10:00 PM	QG698	Denpasar (Citilink	A20N (PK-GTF)	Departed 7:00 PM			
6:15:00 PM	JT149	Bandar Lampung | Lion Air	B739 (PK-LJH)	Departed 6:56 PM	1815-1829	6	
6:20:00 PM	GA448	Kupang (KC Garuda Ind	B738 (PK-GMI)	Departed 6:30 PM			
6:20:00 PM	JT704	Makassar (Lion Air	B738 (PK-LPU)	Departed 9:28 PM			
6:25:00 PM	IN227	Semarang | NAM Air	B735 (PK-NAL)	Departed 7:14 PM			
6:25:00 PM	ID6581	Jakarta (CC Batik Air	A320 (PK-LAW)	Departed 6:43 PM			
6:25:00 PM	SJ259	Jakarta (CC Sriwijaya A	733	Unknown			
6:30:00 PM	QG177	Jakarta (HL Citilink	A320 (PK-GQU)	Departed 7:08 PM	1830-1859	8	1830-1844
6:30:00 PM	QZ7693	Jakarta (CC AirAsia X	A320 (PK-AXH)	Departed 6:51 PM			
6:40:00 PM	GA325	Jakarta (CC Garuda Ind	B738 (PK-GNH)	Departed 7:04 PM			
6:40:00 PM	JT682	Palangka Raya | Lion Air	B739 (PK-LHJ)	Departed 7:15 PM			
6:40:00 PM	MI225	Singapore | SilkAir	B738 (9V-MGG)	Departed 7:42 PM			
6:45:00 PM	ID7516	Jakarta (HL Batik Air	A320 (PK-LUJ)	Departed 7:09 PM	1845-1859	3	
6:50:00 PM	SJ227	Semarang | Sriwijaya A	735	Unknown			
6:55:00 PM	QG806	Semarang | Citilink	A320 (PK-GQR)	Departed 7:12 PM			
7:00:00 PM	JT696	Kupang (KC Lion Air	B739 (PK-LGV)	Departed 8:37 PM	1900-1929	5	1900-1914
7:10:00 PM	QG721	Jakarta (CC Citilink	A20N (PK-GTC)	Departed 8:00 PM			
7:10:00 PM	SJ264	Denpasar (Sriwijaya A	B735 (PK-CLF)	Departed 7:38 PM			
7:15:00 PM	JT697	Jakarta (CC Lion Air	B739 (PK-LKL)	Departed 7:52 PM	1915-1929	2	
7:15:00 PM	QZ7624	Denpasar (AirAsia X	A320 (PK-AXF)	Departed 7:17 PM			
7:30:00 PM	IW1813	Yogyakarta | Wings Air	AT76 (PK-WGU)	Departed 7:49 PM	1930-1959	10	1930-1944
7:30:00 PM	QG440	Balikpapan | Citilink	A320 (PK-QDQ)	Departed 7:44 PM			
7:35:00 PM	GA327	Jakarta (CC Garuda Ind	B738 (PK-GMY)	Departed 8:12 PM			
7:40:00 PM	IW1801	Semarang | Wings Air	AT76 (PK-WGH)	Departed 9:57 PM			
7:40:00 PM	QG179	Jakarta (HL Citilink	320	Unknown			
7:45:00 PM	JT737	Denpasar (Lion Air	B739 (PK-LJM)	Unknown	1945-1959	5	
7:45:00 PM	JT990	Denpasar (Lion Air	B739 (PK-LGP)	Departed 9:59 PM			
7:45:00 PM	JT585	Jakarta (CC Lion Airline	739	Unknown			
7:55:00 PM	ID6175	Jakarta (CC Batik Air	32A	Unknown			
7:55:00 PM	ID7520	Jakarta (CC Batik Air	A320 (PK-LAO)	Departed 8:03 PM			
8:00:00 PM	QG723	Jakarta (CC Citilink	A320 (PK-QQH)	Departed 8:09 PM	2000-2029	1	2000-2014
8:30:00 PM	GA329	Jakarta (CC Garuda Ind	B738 (PK-GFL)	Departed 8:39 PM	2030-2059	5	2015-2029
8:30:00 PM	QG725	Jakarta (CC Citilink	A20N (PK-GTD)	Departed 8:41 PM			2030-2044
8:45:00 PM	SJ267	Jakarta (CC Sriwijaya A	B738 (PK-CRH)	Departed 11:01 PM			2045-2059
8:50:00 PM	IW1847	Yogyakarta | Wings Air	AT76 (PK-WHU)	Departed 10:42 PM			
8:55:00 PM	GA331	Jakarta (CC Garuda Ind	B738 (PK-GMV)	Departed 9:07 PM			
8:55:00 PM	ID7518	Jakarta (HL Batik Air	B738 (PK-LBS)	Departed 9:02 PM			
9:10:00 PM	ID6309	Jakarta (CC Batik Air	A320 (PK-LZH)	Departed 9:10 PM	2100-2129	4	2100-2114
9:15:00 PM	QG727	Jakarta (CC Citilink	A320 (PK-GLG)	Departed 9:50 PM			2115-2129
9:25:00 PM	SJ562	Makassar (Sriwijaya A	733	Unknown			
9:25:00 PM	SJ570	Makassar (Sriwijaya A	735	Unknown			
9:30:00 PM	JT595	Jakarta (CC Lion Air	B739 (PK-LJM)	Departed 10:19 PM	2130-2159	2	2130-2144
9:45:00 PM	ID6583	Jakarta (CC Batik Air	A320 (PK-LUQ)	Departed 10:23 PM			2145-2159
10:00:00 PM	ID6136	Makassar (Batik Air	A320 (PK-LUH)	Departed 10:26 PM	2200-2229	5	2200-2214
10:00:00 PM	ID8196	Makassar (Batik Air	32A	Unknown			
10:25:00 PM	JT880	Makassar (Lion Airline	739	Unknown			2215-2229
10:25:00 PM	JT800	Makassar (Lion Air	B739 (PK-LFZ)	Departed 5:42 AM			
10:25:00 PM	JT1798	Makassar (Lion Airline	739	Unknown			
10:35:00 PM	JT821	Jakarta (CC Lion Air	B739 (PK-LGW)	Departed 10:50 PM	2230-2259	2	2230-2244
10:45:00 PM	JT3780	Makassar (Lion Air	B739 (PK-LJF)	Departed 11:05 PM			2245-2259

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5:00:00 AM	QZ7681	Jakarta (CC AirAsia X	A320 (PK-AXF)	Departed 5:03 AM	0500-0529	11	0500-0514
5:00:00 AM	XT7681	Jakarta (CC Indonesia /	320	Unknown			6
5:00:00 AM	ID6150	Sorong (SO Batik Air	A320 (PK-LUR)	Departed 5:09 AM			
5:00:00 AM	SJ257	Jakarta (CC Sriwijaya A	B738 (PK-CMR)	Departed 5:12 AM			

5:05:00 AM	QG171	Jakarta (HL Citilink	A320 (PK-GLT)	Departed 5:16 AM	0515-0529	5
5:05:00 AM	QZ320	Kuala Lumpur AirAsia X	A320 (PK-AXJ)	Departed 5:05 AM		
5:15:00 AM	GA631	Makassar (Garuda Ind	CRJX (PK-GRO)	Unknown		
5:25:00 AM	GA303	Jakarta (CC Garuda Ind	B738 (PK-GMK)	Departed 5:38 AM		
5:25:00 AM	JT708	Makassar (Lion Air	B738 (PK-LOG)	Departed 5:27 AM		
5:25:00 AM	JT1708	Makassar (Lion Airline	739	Unknown		
5:25:00 AM	QG820	Bandung (f Citilink	A320 (PK-GQJ)	Departed 5:35 AM		
5:30:00 AM	ID6401	Jakarta (CC Batik Air	A320 (PK-LUV)	Departed 5:33 AM	0530-0559	7 0530-0544
5:30:00 AM	ID6896	Jakarta (CC Batik Air	32A	Unknown		
5:35:00 AM	QG416	Pontianak (Citilink	A320 (PK-GQU)	Departed 5:36 AM		
5:45:00 AM	JT310	Banjarmasin (Lion Air	B739 (PK-LJH)	Departed 6:07 AM		0545-0559
5:45:00 AM	JT804	Denpasar (Lion Air	(C B739 (PK-LJO)	Departed 6:03 AM		
5:45:00 AM	QG711	Jakarta (CC Citilink	A320 (PK-GQS)	Departed 5:52 AM		
5:55:00 AM	GA7302	Blimbing (Garuda Ind	AT76 (PK-GAE)	Departed 5:58 AM		
6:00:00 AM	IW1804	Sampit Air (Wings Air	AT76 (PK-WGG)	Departed 6:05 AM	0600-0629	16 0600-0614
6:00:00 AM	JT979	Medan (KN Lion Air	(S C B739 (PK-LHY)	Departed 6:21 AM		
6:05:00 AM	CI752	Singapore (China Airlin	A333 (B-18357)	Departed 6:09 AM		
6:05:00 AM	IN242	Sampit Air (Nam Air	735	Unknown		
6:05:00 AM	JT360	Balikpapan (Lion Air	B739 (PK-LFV)	Departed 6:23 AM		
6:10:00 AM	IL712	Pangkalan (Trigana Air	733	Unknown		
6:10:00 AM	QG430	Balikpapan (Citilink	A20N (PK-GTH)	Departed 6:19 AM		
6:10:00 AM	QG484	Banjarmasi (Citilink	A320 (PK-GQR)	Departed 6:25 AM		
6:15:00 AM	GA305	Jakarta (CC Garuda Ind	B738 (PK-GNO)	Departed 6:32 AM	0615-0629	8
6:15:00 AM	BI796	Brunei (BW Royal Brun	A320 (V8-RBX)	Departed 6:14 AM		
6:15:00 AM	ID6597	Jakarta (CC Batik Air	A320 (PK-LUL)	Departed 6:33 AM		
6:15:00 AM	ID6852	Jakarta (CC Batik Air	32A	Unknown		
6:20:00 AM	QZ324	Kuala Lumpur (AirAsia X	A320 (PK-AXH)	Departed 6:37 AM		
6:20:00 AM	QG946	Batam (BTI Citilink	A320 (PK-GLA)	Departed 6:35 AM		
6:20:00 AM	SJ236	Sampit Air (Sriwijaya A	735	Unknown		
6:25:00 AM	QG600	Kupang (KC Citilink	A20N (PK-GTD)	Departed 6:43 AM		
6:35:00 AM	QG450	Palangka Raya (Citilink	(Kaj A320 (PK-GLC)	Departed 6:50 AM	0630-0659	6 0630-0644
6:45:00 AM	JT571	Jakarta (CC Lion Air	B738 (PK-LOM)	Departed 7:00 AM		0645-0659
6:45:00 AM	QZ392	Johor Bahru (AirAsia X	A320 (PK-AXI)	Departed 6:41 AM		
6:55:00 AM	JT262	Balikpapan (Lion Air	B739 (PK-LGL)	Departed 7:06 AM		
6:55:00 AM	JT690	Kupang (KC Lion Air	B739 (PK-LGW)	Departed 7:30 AM		
6:55:00 AM	JT962	Lombok (L Lion Air	B739 (PK-LPF)	Departed 7:10 AM		
7:00:00 AM	SJ566	Makassar (Sriwijaya A	B735 (PK-CLF)	Departed 7:08 AM	0700-0729	5 0700-0714
7:10:00 AM	IW1908	Labuan Bajo (Wings Air	AT7	Unknown		
7:10:00 AM	QG346	Makassar (Citilink	A320 (PK-GLW)	Departed 7:15 AM		0715-0729
7:20:00 AM	JT806	Makassar (Lion Air	B739 (PK-LGP)	Departed 8:07 AM		
7:25:00 AM	ID7510	Jakarta (HL Batik Air	B738 (PK-LDG)	Departed 7:33 AM		
7:30:00 AM	GA368	Semarang (Garuda Ind	CRJX (PK-GRN)	Departed 7:47 AM	0730-0759	13 0730-0744
7:30:00 AM	IW1843	Yogyakarta (Wings Air	AT75 (PK-WFJ)	Departed 7:54 AM		
7:30:00 AM	QZ7689	Jakarta (CC AirAsia X	A320 (PK-AXF)	Departed 8:51 AM		
7:30:00 AM	SJ268	Jayapura (Sriwijaya A	733	Unknown		
7:30:00 AM	SJ545	Sorong (SO Sriwijaya A	738	Unknown		
7:35:00 AM	ID6174	Amboin (AN Batik Air	A320 (PK-LUQ)	Departed 7:39 AM		
7:35:00 AM	ID6596	Amboin (AN Batik Air	738	Unknown		
7:35:00 AM	IW1839	Semarang (Wings Air	AT76 (PK-WHU)	Departed 8:00 AM		
7:40:00 AM	GA854	Singapore (Garuda Ind	B738 (PK-GFR)	Departed 7:44 AM		
7:45:00 AM	IN276	Denpasar (Nam Air	735	Unknown	0745-0759	6
7:45:00 AM	IN377	Denpasar (Nam Air	735	Unknown		
7:50:00 AM	GA307	Jakarta (CC Garuda Ind	B738 (PK-GNA)	Departed 8:01 AM		
7:55:00 AM	QG694	Denpasar (Citilink	A20N (PK-GTG)	Departed 8:19 AM		
8:00:00 AM	JT856	Palembang (Lion Air	B738 (PK-LPT)	Departed 8:22 AM	0800-0829	9 0800-0814
8:05:00 AM	IN9276	Denpasar (Nam Air	735	Unknown		
8:05:00 AM	JT911	Bandung (f Lion Air	B738 (PK-LJQ)	Departed 8:26 AM		
8:05:00 AM	JT971	Batam (BTI Lion Air	B739 (PK-LFO)	Departed 8:43 AM		
8:10:00 AM	JT748	Manado (N Lion Air	B739 (PK-LHH)	Departed 9:06 AM		
8:10:00 AM	JT929	Manado (N Lion Airline	739	Unknown		

8:15:00 AM	JT106	Jeddah (JE) Lion Air	A333 (PK-LEF)	Departed 8:04 AM	0815-0829	3
8:20:00 AM	GA449	Jakarta (CC) Garuda Ind	B738 (PK-GMI)	Departed 8:37 AM		
8:20:00 AM	ID6391	Jakarta (CC) Batik Air	A320 (PK-LUO)	Departed 8:29 AM		
8:30:00 AM	CX780	Hong Kong Cathay Pac	A333 (B-HLO)	Departed 8:34 AM	0830-0859	6 0830-0844
8:30:00 AM	JT264	Balikpapan Lion Air	B739 (PK-LHJ)	Departed 8:54 AM		4
8:35:00 AM	JT836	Pontianak | Lion Air	B738 (PK-LJU)	Departed 8:41 AM		
8:40:00 AM	GA309	Jakarta (CC) Garuda Ind	B738 (PK-GFL)	Departed 9:02 AM		
8:50:00 AM	GA7306	Jember (JB) Garuda Ind	AT76 (PK-GAE)	Departed 9:14 AM	0845-0859	2
8:50:00 AM	QZ8297	Kuala Lumpur AirAsia X	A320 (PK-AXF)	Departed 12:38 PM		
9:00:00 AM	JT852	Makassar (Lion Air	B739 (PK-LGR)	Unknown	0900-0929	7 0900-0914
9:00:00 AM	JT786	Makassar (Lion Air	B739 (PK-LGV)	Departed 9:21 AM		
9:00:00 AM	JT992	Makassar (Lion Air	B738 (PK-LKR)	Unknown		
9:05:00 AM	JT573	Jakarta (CC) Lion Air	B739 (PK-LHO)	Departed 9:17 AM		
9:20:00 AM	JT226	Banjarmasin Lion Air	B738 (PK-LKZ)	Departed 9:42 AM	0915-0929	3
9:25:00 AM	JT951	Bandung (E) Lion Air	(9C) B738 (PK-LKV)	Departed 10:48 AM		
9:25:00 AM	QG670	Lombok (L) Citilink	A320 (PK-GQJ)	Departed 9:31 AM		
9:30:00 AM	JT646	Lombok (L) Lion Air	(6C) B739 (PK-LJO)	Departed 9:35 AM	0930-0959	7 0930-0944
9:30:00 AM	QG800	Semarang | Citilink	A320 (PK-GQR)	Departed 10:59 AM		4
9:30:00 AM	SJ554	Ternate (T) Sriwijaya A	B738 (PK-CRI)	Departed 10:26 AM		
9:30:00 AM	QG432	Balikpapan Citilink	320	Unknown	0945-0959	3
9:45:00 AM	QG713	Jakarta (CC) Citilink	A320 (PK-GQS)	Departed 9:52 AM		
9:50:00 AM	JT680	Palangkaraya Lion Air	B739 (PK-LJH)	Departed 9:56 AM		
9:55:00 AM	TR265	Singapore | Scoot	A320 (9V-TAZ)	Departed 10:03 AM		
10:00:00 AM	MH870	Kuala Lumpur Malaysia A	B738 (9M-MLM)	Departed 10:17 AM	1000-1029	7 1000-1014
10:00:00 AM	JT169	Kuala Lumpur Lion Air	B738 (PK-LKT)	Departed 10:24 AM		
10:05:00 AM	GA311	Jakarta (CC) Garuda Ind	A332 (PK-GPQ)	Departed 10:19 AM		
10:10:00 AM	IW1872	Jember (JB) Wings Air	AT76 (PK-WGG)	Departed 10:12 AM		
10:10:00 AM	SQ931	Singapore | Singapore	, A333 (9V-SSD)	Departed 10:38 AM		
10:15:00 AM	JT922	Denpasar (Lion Air	B739 (PK-LPF)	Departed 10:35 AM	1015-1029	2
10:25:00 AM	JT362	Balikpapan Lion Air	B739 (PK-LFV)	Departed 10:55 AM		
10:30:00 AM	IW1835	Semarang | Wings Air	AT75 (PK-WFJ)	Departed 11:20 AM	1030-1059	10 1030-1044
10:30:00 AM	JT312	Banjarmasin Lion Air	B38M (PK-LQI)	Departed 11:38 AM		
10:35:00 AM	ID6573	Jakarta (CC) Batik Air	A320 (PK-LAI)	Departed 11:41 AM		
10:40:00 AM	IN225	Semarang | Nam Air	735	Unknown		
10:40:00 AM	QG715	Jakarta (CC) Citilink	A20N (PK-GTH)	Departed 10:45 AM		
10:40:00 AM	SJ225	Semarang | Sriwijaya A	738	Unknown		
10:40:00 AM	SJ564	Makassar | Sriwijaya A	733	Unknown	1045-1059	3
10:45:00 AM	IW1811	Yogyakarta Wings Air	AT76 (PK-WHU)	Departed 11:05 AM		
10:50:00 AM	GA364	Lombok (L) Garuda Ind	CRJX (PK-GRN)	Departed 11:08 AM		
10:55:00 AM	SJ252	Balikpapan Sriwijaya A	735	Unknown		
11:00:00 AM	GA342	Denpasar (Garuda Ind	B738 (PK-GMU)	Departed 11:14 AM	1100-1129	7 1100-1114
11:00:00 AM	QG486	Banjarmasin Citilink	A20N (PK-GTG)	Departed 11:42 AM		
11:00:00 AM	SJ254	Kupang (KC) Sriwijaya A	738	Unknown		
11:10:00 AM	GA313	Jakarta (CC) Garuda Ind	B738 (PK-GMR)	Departed 11:50 AM		
11:10:00 AM	ID6130	Labuan Bajo Batik Air	A320 (PK-LAL)	Departed 11:46 AM		
11:15:00 AM	QZ386	Penang (PE) AirAsia X	A320 (PK-AXJ)	Departed 11:37 AM	1115-1129	2
11:20:00 AM	JT692	Kupang (KC) Lion Air	B739 (PK-LGZ)	Departed 12:07 PM		
11:30:00 AM	QG930	Pekanbaru Citilink	320	Unknown	1130-1159	12 1130-1144
11:35:00 AM	ID6230	Makassar (Batik Air	738	Unknown		
11:35:00 AM	ID6284	Makassar (Batik Air	A320 (PK-LAZ)	Departed 12:31 PM		
11:35:00 AM	JT222	Banjarmasin Lion Air	B739 (PK-LJL)	Departed 12:28 PM		
11:35:00 AM	QG434	Balikpapan Citilink	320	Unknown		
11:40:00 AM	ID6680	Samarinda Batik Air	32A	Unknown		
11:45:00 AM	GA7304	Blimbingsa Garuda Ind	AT76 (PK-GAE)	Departed 12:15 PM	1145-1159	6
11:50:00 AM	ID7083	Jakarta (HL) Batik Air	32A	Unknown		
11:50:00 AM	ID7512	Jakarta (HL) Batik Air	B738 (PK-LDG)	Departed 12:13 PM		
11:50:00 AM	JT973	Batam (BT) Lion Air	B739 (PK-LFK)	Departed 12:51 PM		
11:50:00 AM	QG717	Jakarta (CC) Citilink	A20N (PK-GTD)	Departed 12:24 PM		
11:50:00 AM	QG948	Batam (BT) Citilink	A320 (PK-GLZ)	Departed 12:04 PM		
12:00:00 PM	IW1880	Blimbingsa Wings Air	AT76 (PK-WGU)	Departed 11:58 AM	1200-1229	6 1200-1214

12:00:00 PM	SJ334	Bandar Lan Sriwijaya A	738	Unknown				
12:05:00 PM	JT260	Balikpapan Lion Air	B739 (PK-LGL)	Departed	12:21 PM			
12:10:00 PM	IN114	Kotabaru (J Nam Air)	AT7	Unknown				
12:10:00 PM	JT591	Jakarta (CC Lion Air)	B739 (PK-LFG)	Departed	12:41 PM			
12:10:00 PM	JT916	Bandung (F Lion Air)	B738 (PK-LPS)	Departed	12:18 PM		1215-1229	0
12:30:00 PM	GA315	Jakarta (CC Garuda Ind	B738 (PK-GFQ)	Departed	12:43 PM	1230-1259	10	1230-1244
12:35:00 PM	JT376	Samarinda Lion Airline	739	Unknown				
12:35:00 PM	QG834	Majalengk Cilink	320	Unknown				
12:40:00 PM	SJ269	Jakarta (CC Sriwijaya A	B738 (PK-CMK)	Departed	2:03 PM			
12:40:00 PM	ID6575	Jakarta (CC Batik Air	B739 (PK-LBG)	Departed	1:30 PM			
12:45:00 PM	IW1808	Sumenep-! Wings Air	AT76 (PK-WGG)	Departed	12:45 PM		1245-1259	5
12:45:00 PM	QG986	Palembang Cilink	A320 (PK-GLA)	Departed	12:54 PM			
12:50:00 PM	JT706	Makassar (Lion Air	B739 (PK-LGW)	Departed	1:29 PM			
12:55:00 PM	QG436	Balikpapan Cilink	320	Unknown				
12:55:00 PM	QG696	Denpasar (Cilink	A320 (PK-GLU)	Departed	1:38 PM			
1:00:00 PM	JT178	Lombok (L Lion Air	B739 (PK-LJO)	Departed	1:48 PM	1300-1329	4	1300-1314
1:05:00 PM	JT266	Balikpapan Lion Air	B738 (PK-LPT)	Departed	1:26 PM			
1:10:00 PM	JT862	Palangkara Malindo Ai	B738 (PK-LPV)	Departed	2:26 PM			
1:20:00 PM	QG692	Denpasar (Cilink (Kaj	A320 (PK-GLC)	Departed	12:34 PM		1315-1329	1
1:30:00 PM	GA317	Jakarta (CC Garuda Ind	B738 (PK-GMC)	Departed	1:42 PM	1330-1259	13	1330-1344
1:30:00 PM	JT736	Manado (N Lion Airline	7M8	Unknown				
1:30:00 PM	ID6412	Denpasar Batik Air	A320 (PK-LUL)	Departed	1:56 PM			
1:30:00 PM	IN192	Pangkalan Nam Air	735	Unknown				
1:30:00 PM	IW1845	Yogyakarta Wings Air	AT7	Unknown				
1:30:00 PM	IW1873	Denpasar (Wings Air	AT76 (PK-WGG)	Unknown				
1:30:00 PM	JT258	Padang (PE Lion Air	B739 (PK-LJH)	Departed	1:51 PM			
1:30:00 PM	JT910	Denpasar (Lion Air	B739 (PK-LPF)	Departed	2:16 PM			
1:40:00 PM	QG307	Makassar (Cilink	A320 (PK-GQJ)	Departed	1:54 PM			
1:40:00 PM	JT694	Kupang (KC Lion Airline	738	Unknown				
1:50:00 PM	JT577	Jakarta (CC Lion Air	B738 (PK-LKZ)	Departed	2:01 PM		1345-1359	3
1:50:00 PM	JT695	Jakarta (CC Lion Airline	738	Unknown				
1:50:00 PM	QG173	Jakarta (HL Cilink	A20N (PK-GTA)	Departed	2:10 PM			
2:00:00 PM	JT949	Batam (BT Lion Airline	738	Scheduled		1400-1429	3	1400-1414
2:10:00 PM	JT316	Banjarmasi Lion Airline	739	Scheduled				
2:20:00 PM	QG824	Bandung (F Cilink	A320 (PK-GQR)	Departed	2:30 PM		1415-1429	1
2:30:00 PM	IW1897	Semarang (Wings Air	AT76 (PK-WGU)	Departed	2:25 PM	1430-1459	10	1430-1444
2:35:00 PM	JT749	Jakarta (CC Lion Airline	739	Scheduled				
2:40:00 PM	GA365	Semarang J Garuda Ind	CRK	Scheduled				
2:40:00 PM	ID6682	Samarinda Batik Air	32A	Scheduled				
2:40:00 PM	IW1890	Pangkalan Wings Air	AT75 (PK-WFJ)	Departed	2:33 PM			
2:40:00 PM	SJ238	Sampit Air Sriwijaya A	735	Scheduled				
2:45:00 PM	GA7308	Yogyakarta Garuda Ind	AT7	Scheduled			1445-1459	4
2:45:00 PM	JT366	Balikpapan Lion Airline	739	Scheduled				
2:45:00 PM	QG438	Balikpapan Cilink	320	Scheduled				
2:50:00 PM	IN244	Sampit Air Nam Air	735	Scheduled				
3:00:00 PM	JT864	Lombok (L Lion Airline	739	Scheduled		1500-1529	8	1500-1514
3:00:00 PM	QG175	Jakarta (HL Cilink	320	Scheduled				
3:05:00 PM	ID7502	Jakarta (HL Batik Air	32A	Scheduled				
3:05:00 PM	SJ232	Balikpapan Sriwijaya A	733	Scheduled				
3:10:00 PM	QZ326	Kuala Lum AirAsia X	A320 (PK-AXI)	Scheduled				
3:15:00 PM	IW1809	Banjarmasi Wings Air	AT7	Scheduled			1515-1529	3
3:15:00 PM	JT220	Banjarmasi Lion Airline	738	Scheduled				
3:15:00 PM	JT268	Tarakan (TJ Lion Airline	738	Scheduled				
3:30:00 PM	GA319	Jakarta (CC Garuda Ind	332	Scheduled				
3:35:00 PM	ID7508	Jakarta (HL Batik Air	32A	Scheduled		1530-1559	7	1530-1544
3:35:00 PM	QG672	Lombok (L Cilink	320	Scheduled				
3:40:00 PM	JT581	Jakarta (CC Lion Airline	739	Scheduled				
3:50:00 PM	GA321	Jakarta (CC Garuda Ind	738	Scheduled				
3:50:00 PM	MH872	Kuala Lumpur Malaysia A	738	Scheduled			1545-1559	1
3:55:00 PM	SJ235	Yogyakarta Sriwijaya A	735	Scheduled				

4:00:00 PM	JT318	Banjarmasi Lion Airline	739	Scheduled	1600-1629	6	1600-1614	1
4:15:00 PM	JT822	Lombok (L) Lion Airline	738	Scheduled			1615-1629	5
4:15:00 PM	JT982	Pekanbaru Lion Airline	739	Scheduled				
4:20:00 PM	ID7107	Jakarta (HL) Batik Air	738	Scheduled				
4:20:00 PM	ID7514	Jakarta (HL) Batik Air	738	Scheduled				
4:25:00 PM	GA344	Denpasar (Garuda Ind	738	Scheduled				
4:30:00 PM	JT599	Jakarta (CC) Lion Airline	739	Scheduled	1630-1659	9	1630-1644	6
4:30:00 PM	JT722	Kendari (KI) Lion Airline	739	Scheduled				
4:30:00 PM	QZ330	Kuala Lumpur AirAsia X	A320 (PK-AXH)	Scheduled				
4:35:00 PM	IW1816	Yogyakarta Wings Air	AT7	Scheduled				
4:35:00 PM	SJ255	Jakarta (CC) Sriwijaya A	738	Scheduled				
4:40:00 PM	SV3895	Jeddah (JE) Saudia	B744 (TF-AAJ)	Scheduled				
4:45:00 PM	JT838	Pontianak (L) Lion Airline	738	Scheduled	1645-1659			3
4:50:00 PM	JT364	Balikpapan Lion Airline	738	Scheduled				
4:50:00 PM	JT693	Jakarta (CC) Lion Airline	739	Scheduled				
5:00:00 PM	QG488	Banjarmasin Citilink	320	Scheduled	1700-1729	5	1700-1714	3
5:00:00 PM	JT165	Kuala Lumpur Lion Airline	738	Scheduled				
5:10:00 PM	GA338	Denpasar (Garuda Ind	CRK	Scheduled				
5:20:00 PM	QG348	Makassar (Citilink	320	Scheduled			1715-1729	2
5:25:00 PM	ID7579	Jakarta (CC) Batik Air	32A	Scheduled				
5:30:00 PM	QG719	Jakarta (CC) Citilink	320	Scheduled	1730-1759	6	1730-1744	2
5:30:00 PM	JT642	Lombok (L) Lion Airline	739	Scheduled				
5:45:00 PM	GA373	Bandung (E) Garuda Ind	738	Scheduled			1745-1759	4
5:50:00 PM	IN376	Bandung (E) Nam Air	735	Scheduled				
5:50:00 PM	JT780	Makassar (Lion Airline	739	Scheduled				
5:55:00 PM	IN9376	Bandung (E) Nam Air	735	Scheduled				
6:00:00 PM	GA367	Makassar (Garuda Ind	CRK	Scheduled	1800-1829	11	1800-1814	5
6:00:00 PM	QG418	Pontianak (Citilink	320	Scheduled				
6:05:00 PM	JT730	Balikpapan Lion Airline	738	Scheduled				
6:05:00 PM	JT858	Balikpapan Lion Airline	738	Scheduled				
6:10:00 PM	QG698	Denpasar (Citilink	320	Scheduled				
6:15:00 PM	JT149	Bandar Lampung Lion Airline	739	Scheduled	1815-1829			6
6:20:00 PM	GA448	Kupang (KK) Garuda Ind	738	Scheduled				
6:20:00 PM	JT704	Makassar (Lion Airline	738	Scheduled				
6:25:00 PM	IN227	Semarang (Nam Air	735	Scheduled				
6:25:00 PM	ID6581	Jakarta (CC) Batik Air	32A	Scheduled				
6:25:00 PM	SJ259	Jakarta (CC) Sriwijaya A	733	Scheduled				
6:30:00 PM	QG177	Jakarta (HL) Citilink	320	Scheduled	1830-1859	7	1830-1844	4
6:40:00 PM	GA325	Jakarta (CC) Garuda Ind	738	Scheduled				
6:40:00 PM	JT682	Palangka Raya Lion Airline	739	Scheduled				
6:40:00 PM	MI225	Singapore (SilkAir	738	Scheduled				
6:45:00 PM	ID7516	Jakarta (HL) Batik Air	32A	Scheduled	1845-1859			3
6:50:00 PM	SJ227	Semarang (Sriwijaya A	735	Scheduled				
6:55:00 PM	QG806	Semarang (Citilink	320	Scheduled				
7:00:00 PM	JT696	Kupang (KK) Lion Airline	739	Scheduled	1900-1929	5	1900-1914	3
7:10:00 PM	QG721	Jakarta (CC) Citilink	320	Scheduled				
7:10:00 PM	SJ264	Denpasar (Sriwijaya A	735	Scheduled				
7:15:00 PM	JT697	Jakarta (CC) Lion Airline	738	Scheduled			1915-1929	2
7:15:00 PM	QZ7624	Denpasar (AirAsia X	A320 (PK-AXF)	Scheduled				
7:30:00 PM	IW1813	Yogyakarta Wings Air	AT4	Scheduled	1930-1959	10	1930-1944	6
7:35:00 PM	GA327	Jakarta (CC) Garuda Ind	738	Scheduled				
7:40:00 PM	SJ267	Jakarta (CC) Sriwijaya A	735	Scheduled				
7:40:00 PM	IW1801	Semarang (Wings Air	AT4	Scheduled				
7:40:00 PM	QG179	Jakarta (HL) Citilink	320	Scheduled				
7:40:00 PM	QG440	Balikpapan Citilink	320	Scheduled				
7:45:00 PM	JT585	Jakarta (CC) Lion Airline	739	Scheduled	1945-1959			4
7:45:00 PM	JT990	Denpasar (Lion Airline	739	Scheduled				
7:55:00 PM	ID6175	Jakarta (CC) Batik Air	32A	Scheduled				
7:55:00 PM	ID7520	Jakarta (CC) Batik Air	32A	Scheduled				
8:00:00 PM	QG723	Jakarta (CC) Citilink	320	Scheduled	2000-2029	1	2000-2014	1

8:30:00 PM	GA329	Jakarta (CC Garuda Ind	738	Scheduled	2030-2059	5 2015-2029	0
8:30:00 PM	QG725	Jakarta (CC Citilink	320	Scheduled		2030-2044	2
8:50:00 PM	IW1847	Yogyakarta Wings Air AT4		Scheduled		2045-2059	3
8:55:00 PM	GA331	Jakarta (CC Garuda Ind	738	Scheduled			
8:55:00 PM	ID7518	Jakarta (HL Batik Air	738	Scheduled			
9:00:00 PM	3K250	Singapore | Jetstar Asia	320	Scheduled	2100-2129	5 2100-2114	2
9:10:00 PM	ID6309	Jakarta (CC Batik Air 32A		Scheduled			
9:15:00 PM	QG727	Jakarta (CC Citilink	320	Scheduled		2115-2129	3
9:15:00 PM	SJ570	Makassar (Sriwijaya A	735	Scheduled			
9:25:00 PM	SJ562	Makassar (Sriwijaya A	733	Scheduled			
9:30:00 PM	JT595	Jakarta (CC Lion Airline	739	Scheduled	2130-2159	2 2130-2144	1
9:45:00 PM	ID6583	Jakarta (CC Batik Air 32A		Scheduled		2145-2159	1
10:00:00 PM	ID6136	Makassar (Batik Air 32A		Scheduled	2200-2229	3 2200-2214	2
10:00:00 PM	ID8196	Makassar (Batik Air 32A		Scheduled			
10:25:00 PM	JT800	Makassar (Lion Airline	739	Scheduled		2215-2229	1
10:35:00 PM	JT821	Jakarta (CC Lion Airline	738	Scheduled	2230-2259	2 2230-2244	1
10:45:00 PM	JT3780	Makassar (Lion Airline	739	Scheduled		2245-2259	1

Sunday, Nov 18

5:00 AM	ID6150	Sorong (SO Batik Air 32A		Scheduled	0500-0529	9 0500-0514	4
5:00 AM	SJ257	Jakarta (CC Sriwijaya A	738	Scheduled			
5:05 AM	QG171	Jakarta (HL Citilink	320	Scheduled			
5:05 AM	QZ320	Kuala Lumpur AirAsia X A320 (PK-AXH)		Scheduled			
5:15 AM	GA631	Makassar (Garuda Ind CRK		Scheduled		0515-0529	5
5:25 AM	JT1708	Makassar (Lion Airline	739	Scheduled			
5:25 AM	GA303	Jakarta (CC Garuda Ind	738	Scheduled			
5:25 AM	JT708	Makassar (Lion Airline	738	Scheduled			
5:25 AM	QG820	Bandung (f Citilink	320	Scheduled			
5:30 AM	ID6401	Jakarta (CC Batik Air 32A		Scheduled	0530-0559	7 0530-0544	3
5:30 AM	ID6896	Jakarta (CC Batik Air 32A		Scheduled			
5:35 AM	QG416	Pontianak | Citilink	320	Scheduled			
5:45 AM	JT310	Banjarmasin Lion Airline	739	Scheduled		0545-0559	4
5:45 AM	JT804	Denpasar (Lion Airline	739	Scheduled			
5:45 AM	QG711	Jakarta (CC Citilink	320	Scheduled			
5:55 AM	GA7302	Blimbingsa Garuda Ind AT7		Scheduled			
6:00 AM	IW1804	Sampit Air| Wings Air AT4		Scheduled	0600-0629	18 0600-0614	10
6:00 AM	JT102	Medina (M Lion Airline	330	Scheduled			
6:00 AM	JT979	Medan (KN Lion Airline	739	Scheduled			
6:00 AM	SJ566	Makassar (Sriwijaya A	735	Scheduled			
6:05 AM	CI752	Singapore | China Airline	333	Scheduled			
6:05 AM	IN242	Sampit Air| Nam Air	735	Scheduled			
6:05 AM	JT360	Balikpapan Lion Airline	739	Scheduled			
6:10 AM	IL712	Pangkalan Trigana Air	733	Scheduled			
6:10 AM	QG484	Banjarmasin Citilink	320	Scheduled			
6:10 AM	QG430	Balikpapan Citilink	320	Scheduled			
6:15 AM	BI796	Brunei (BA Royal Brun	320	Scheduled		0615-0629	8
6:15 AM	GA305	Jakarta (CC Garuda Ind	738	Scheduled			
6:15 AM	ID6597	Jakarta (CC Batik Air 32A		Scheduled			
6:15 AM	ID6852	Jakarta (CC Batik Air 32A		Scheduled			
6:20 AM	QG946	Batam (BTI Citilink	320	Scheduled			
6:20 AM	QZ324	Kuala Lumpur AirAsia X A320 (PK-AXF)		Scheduled			
6:20 AM	SJ236	Sampit Air| Sriwijaya A	735	Scheduled			
6:25 AM	QG600	Kupang (KC Citilink	320	Scheduled			
6:35 AM	QG450	Palangka Raya Citilink	320	Scheduled	0630-0659	5 0630-0644	1
6:45 AM	JT571	Jakarta (CC Lion Airline	738	Scheduled		0645-0659	4
6:55 AM	JT262	Balikpapan Lion Airline	739	Scheduled			
6:55 AM	JT690	Kupang (KC Lion Airline	739	Scheduled			
6:55 AM	JT962	Lombok (LC Lion Airline	739	Scheduled			
7:10 AM	IW1908	Labuan Bajo Wings Air AT4		Scheduled	0700-0729	4 0700-0714	2
7:10 AM	QG346	Makassar (Citilink	320	Scheduled			

7:20 AM	JT806	Makassar (Lion Airline	739	Scheduled		0715-0729	2
7:25 AM	ID7510	Jakarta (HL Batik Air	738	Scheduled			
7:30 AM	GA368	Semarang (Garuda Ind	CRK	Scheduled	0730-0759	12 0730-0744-	8
7:30 AM	IW1843	Yogyakarta Wings Air	AT4	Scheduled			
7:30 AM	QZ7689	Jakarta (CC AirAsia (W(A320 (PK-AXS)		Scheduled			
7:30 AM	SJ268	Jayapura (Sriwijaya A	733	Scheduled			
7:35 AM	ID6174	Ambon (AN Batik Air	32A	Scheduled			
7:35 AM	ID6596	Ambon (AN Batik Air	738	Scheduled			
7:35 AM	IW1839	Semarang (Wings Air	AT4	Scheduled			
7:40 AM	GA854	Singapore (Garuda Ind	738	Scheduled			
7:45 AM	IN276	Denpasar (Nam Air	735	Scheduled			
7:45 AM	IN377	Denpasar (Nam Air	735	Scheduled	0745-0759	4	
7:50 AM	GA307	Jakarta (CC Garuda Ind	738	Scheduled			
7:55 AM	QG694	Denpasar (Citilink	320	Scheduled			
8:00 AM	JT856	Palembang Lion Airline	738	Scheduled	0800-0829	8 0800-0814	6
8:05 AM	IN9276	Denpasar (Nam Air	735	Scheduled			
8:05 AM	JT911	Bandung (f Lion Airline	738	Scheduled			
8:05 AM	JT971	Batam (BT) Lion Airline	739	Scheduled			
8:10 AM	JT748	Manado (N Lion Airline	739	Scheduled			
8:10 AM	JT929	Manado (N Lion Airline	739	Scheduled			
8:20 AM	GA449	Jakarta (CC Garuda Ind	738	Scheduled	0815-0829	2	
8:20 AM	ID6391	Jakarta (CC Batik Air	32A	Scheduled			
8:30 AM	CX780	Hong Kong Cathay Pac	333	Scheduled	0830-0859	7 0830-0844	5
8:30 AM	JT264	Balikpapan Lion Airline	739	Scheduled			
8:30 AM	QZ695	Jakarta (CC AirAsia X A320 (PK-AXI)		Scheduled			
8:35 AM	JT836	Pontianak (Lion Airline	738	Scheduled			
8:40 AM	GA309	Jakarta (CC Garuda Ind	738	Scheduled			
8:50 AM	GA7306	Jember (JB Garuda Ind	AT7	Scheduled	0845-0859	2	
8:50 AM	QZ8297	Kuala Lumpur AirAsia X A320 (PK-AXJ)		Scheduled			
9:00 AM	JT786	Makassar (Lion Airline	739	Scheduled	0900-0929	7 0900-0914	4
9:00 AM	JT852	Makassar (Lion Airline	739	Scheduled			
9:00 AM	JT992	Makassar (Lion Airline	738	Scheduled			
9:05 AM	JT573	Jakarta (CC Lion Airline	738	Scheduled			
9:20 AM	JT226	Banjarmasin Lion Airline	738	Scheduled	0915-0929	3	
9:25 AM	JT951	Bandung (f Lion Airline	738	Scheduled			
9:25 AM	QG670	Lombok (L Citilink	320	Scheduled			
9:30 AM	JT646	Lombok (L Lion Airline	739	Scheduled	0930-0959	6 0930-0944	3
9:30 AM	QG800	Semarang (Citilink	320	Scheduled			
9:30 AM	QG432	Balikpapan Citilink	320	Scheduled			
9:45 AM	QG713	Jakarta (CC Citilink	320	Scheduled	0945-0959	3	
9:50 AM	JT680	Palangka Raya Lion Airline	739	Scheduled			
9:55 AM	TR265	Singapore (Scoot	320	Scheduled			
10:00 AM	JT169	Kuala Lumpur Lion Airline	738	Scheduled	1000-1029	7 1000-1014	5
10:00 AM	MH870	Kuala Lumpur Malaysia A	738	Scheduled			
10:05 AM	GA311	Jakarta (CC Garuda Ind	332	Scheduled			
10:10 AM	IW1872	Jember (JB Wings Air	AT4	Scheduled			
10:10 AM	SQ931	Singapore (Singapore	333	Scheduled			
10:15 AM	JT922	Denpasar (Lion Airline	739	Scheduled	1015-1029	2	
10:25 AM	JT362	Balikpapan Lion Airline	739	Scheduled			
10:30 AM	IW1835	Semarang (Wings Air	AT4	Scheduled	1030-1059	10 1030-1044	7
10:30 AM	JT312	Banjarmasin Lion Airline	739	Scheduled			
10:35 AM	ID6573	Jakarta (CC Batik Air	32A	Scheduled			
10:40 AM	IN225	Semarang (Nam Air	735	Scheduled			
10:40 AM	QG715	Jakarta (CC Citilink	320	Scheduled			
10:40 AM	SJ225	Semarang (Sriwijaya A	738	Scheduled			
10:40 AM	SJ564	Makassar (Sriwijaya A	733	Scheduled	1045-1059	3	
10:45 AM	IW1811	Yogyakarta Wings Air	AT4	Scheduled			
10:50 AM	GA364	Lombok (L Garuda Ind	CRK	Scheduled			
10:55 AM	SJ252	Balikpapan Sriwijaya A	735	Scheduled			
11:00 AM	GA342	Denpasar (Garuda Ind	738	Scheduled	1100-1129	6 1100-1114	4

11:00 AM	QG486	Banjarmasi Citilink	320	Scheduled				
11:00 AM	SJ254	Kupang (KC Sriwijaya A	738	Scheduled				
11:10 AM	GA313	Jakarta (CC Garuda Ind	738	Scheduled				
11:15 AM	QZ394	Johor Bahr AirAsia X A320 (PK-AXH)		Scheduled		1115-1129		2
11:20 AM	JT692	Kupang (KC Lion Airline	739	Scheduled				
11:30 AM	JT736	Manado (N Lion Airline	7M8	Scheduled	1130-1159	13	1130-1144	6
11:30 AM	QG930	Pekanbaru Citilink	320	Scheduled				
11:35 AM	ID6230	Makassar (Batik Air	738	Scheduled				
11:35 AM	ID6284	Makassar (Batik Air	32A	Scheduled				
11:35 AM	JT222	Banjarmasi Lion Airline	738	Scheduled				
11:35 AM	QG434	Balikpapan Citilink	320	Scheduled				
11:40 AM	ID6680	Samarinda Batik Air	32A	Scheduled				
11:45 AM	GA7304	Blimbingsa Garuda Ind	AT7	Scheduled		1145-1159		6
11:50 AM	ID7083	Jakarta (HL Batik Air	32A	Scheduled				
11:50 AM	ID7512	Jakarta (HL Batik Air	738	Scheduled				
11:50 AM	JT973	Batam (BTI Lion Airline	739	Scheduled				
11:50 AM	QG717	Jakarta (CC Citilink	320	Scheduled				
11:50 AM	QG948	Batam (BTI Citilink	320	Scheduled				
12:00 PM	IN116	Batu Licin (Nam Air	AT7	Scheduled	1200-1229	6	1200-1214	6
12:00 PM	IW1880	Blimbingsa Wings Air	AT4	Scheduled				
12:00 PM	SJ334	Bandar Lan Sriwijaya A	738	Scheduled				
12:05 PM	JT260	Balikpapan Lion Airline	739	Scheduled				
12:10 PM	JT591	Jakarta (CC Lion Airline	739	Scheduled				
12:10 PM	JT916	Bandung (F Lion Airline	738	Scheduled		1215-1229		0
12:30 PM	GA315	Jakarta (CC Garuda Ind	738	Scheduled	1230-1259	10	1230-1244	4
12:35 PM	JT376	Samarinda Lion Airline	739	Scheduled				
12:35 PM	QG834	Majalengka Citilink	320	Scheduled				
12:40 PM	ID6575	Jakarta (CC Batik Air	739	Scheduled				
12:45 PM	IW1808	Sumenep-I Wings Air	AT4	Scheduled		1245-1259		6
12:45 PM	QG986	Palembang Citilink	320	Scheduled				
12:50 PM	JT706	Makassar (Lion Airline	739	Scheduled				
12:50 PM	QZ322	Kuala Lumpur AirAsia X A320 (PK-AXI)		Scheduled				
12:55 PM	QG436	Balikpapan Citilink	320	Scheduled				
12:55 PM	QG696	Denpasar (Citilink	320	Scheduled				
1:00 PM	JT178	Lombok (L Lion Airline	739	Scheduled	1300-1329	4	1300-1314	4
1:05 PM	JT266	Balikpapan Lion Airline	738	Scheduled				
1:10 PM	SJ269	Jakarta (CC Sriwijaya A	735	Scheduled		1315-1329		0
1:10 PM	JT862	Palangkaraya Lion Airline	738	Scheduled				
1:30 PM	GA317	Jakarta (CC Garuda Ind	738	Scheduled	1330-1259	12	1330-1344	8
1:30 PM	ID6412	Denpasar (Batik Air	32A	Scheduled				
1:30 PM	IN192	Pangkalan Nam Air	735	Scheduled				
1:30 PM	IW1845	Yogyakarta Wings Air	AT4	Scheduled				
1:30 PM	IW1873	Denpasar (Wings Air	AT4	Scheduled				
1:30 PM	JT910	Denpasar (Lion Airline	739	Scheduled				
1:40 PM	QG307	Makassar (Citilink	320	Scheduled				
1:40 PM	JT694	Kupang (KC Lion Airline	738	Scheduled				
1:50 PM	JT577	Jakarta (CC Lion Airline	738	Scheduled		1345-1359		4
1:50 PM	JT695	Jakarta (CC Lion Airline	738	Scheduled				
1:50 PM	QG173	Jakarta (HL Citilink	320	Scheduled				
1:50 PM	QG692	Denpasar (Citilink	320	Scheduled				
2:00 PM	JT949	Batam (BTI Lion Airline	738	Scheduled	1400-1429	4	1400-1414	3
2:05 PM	3K248	Singapore Jetstar Asia	320	Scheduled				
2:10 PM	JT316	Banjarmasin Lion Airline	739	Scheduled				
2:20 PM	QG824	Bandung (F Citilink	320	Scheduled		1415-1429		1
2:30 PM	IW1897	Semarang Wings Air	AT4	Scheduled	1430-1459	10	1430-1444	6
2:35 PM	JT749	Jakarta (CC Lion Airline	739	Scheduled				
2:40 PM	GA365	Semarang Garuda Ind	CRK	Scheduled				
2:40 PM	ID6682	Samarinda Batik Air	32A	Scheduled				
2:40 PM	IW1890	Pangkalan Wings Air	AT4	Scheduled				
2:40 PM	SJ238	Sampit Air Sriwijaya A	735	Scheduled				

2:45 PM	GA7308	Yogyakarta	Garuda Ind	AT7	Scheduled		1445-1459	4
2:45 PM	JT366	Balikpapan	Lion Airline	739	Scheduled			
2:45 PM	QG438	Balikpapan	Citilink	320	Scheduled			
2:50 PM	IN244	Sampit	Air	Nam Air	735	Scheduled		
3:00 PM	QG175	Jakarta	(HL	Citilink	320	Scheduled	1500-1529	9 1500-1514
3:00 PM	JT864	Lombok	(LC	Lion Airline	739	Scheduled		
3:05 PM	ID7502	Jakarta	(HL	Batik Air	32A	Scheduled		
3:05 PM	SJ232	Balikpapan	Sriwijaya A		733	Scheduled		
3:10 PM	QZ326	Kuala Lum	Indonesia	/	320	Scheduled		
3:10 PM	IN3771	Denpasar	(Nam	Air	735	Scheduled		
3:15 PM	IW1809	Banjarmasi	Wings Air	AT4	Scheduled		1515-1529	3
3:15 PM	JT268	Tarakan	(TI	Lion Airline	738	Scheduled		
3:15 PM	JT220	Banjarmasi	Lion Airline		738	Scheduled		
3:30 PM	GA319	Jakarta	(CC	Garuda Ind	332	Scheduled	1530-1559	7 1530-1544
3:35 PM	ID7508	Jakarta	(HL	Batik Air	32A	Scheduled		
3:35 PM	QG672	Lombok	(LC	Citilink	320	Scheduled		
3:40 PM	JT581	Jakarta	(CC	Lion Airline	739	Scheduled		
3:50 PM	GA321	Jakarta	(CC	Garuda Ind	738	Scheduled		1545-1559
3:50 PM	MH872	Kuala Lum	Malaysia	A	738	Scheduled		3
3:55 PM	SJ235	Yogyakarta	Sriwijaya A		735	Scheduled		
4:00 PM	JT318	Banjarmasi	Lion Airline		739	Scheduled	1600-1629	6 1600-1614
4:15 PM	JT822	Lombok	(LC	Lion Airline	738	Scheduled		1615-1629
4:15 PM	JT982	Pekanbaru	Lion Airline		739	Scheduled		5
4:20 PM	ID7514	Jakarta	(HL	Batik Air	738	Scheduled		
4:20 PM	ID7107	Jakarta	(HL	Batik Air	738	Scheduled		
4:25 PM	GA344	Denpasar	(Garuda	Ind	738	Scheduled		
4:30 PM	JT722	Kendari	(KI	Lion Airline	739	Scheduled	1630-1659	9 1630-1644
4:30 PM	QZ330	Kuala Lum	Indonesia	/	320	Scheduled		
4:30 PM	JT599	Jakarta	(CC	Lion Airline	739	Scheduled		
4:35 PM	IW1816	Yogyakarta	Wings Air	AT4	Scheduled			
4:35 PM	SJ255	Jakarta	(CC	Sriwijaya A	738	Scheduled		
4:45 PM	JT838	Pontianak	(TI	Lion Airline	738	Scheduled		1645-1659
4:50 PM	JT364	Balikpapan	Lion Airline		738	Scheduled		4
4:50 PM	JT693	Jakarta	(CC	Lion Airline	739	Scheduled		
4:50 PM	QG488	Banjarmasi	Citilink		320	Scheduled		
5:00 PM	QG348	Makassar	(Citilink		320	Scheduled	1700-1729	4 1700-1714
5:00 PM	JT165	Kuala Lum	Lion Airline		738	Scheduled		
5:10 PM	GA338	Denpasar	(Garuda	Ind	CRK	Scheduled		
5:25 PM	ID7579	Jakarta	(CC	Batik Air	32A	Scheduled		1715-1729
5:30 PM	JT642	Lombok	(LC	Lion Airline	739	Scheduled	1730-1759	6 1730-1744
5:30 PM	QG719	Jakarta	(CC	Citilink	320	Scheduled		
5:45 PM	GA373	Bandung	(EI	Garuda Ind	738	Scheduled		1745-1759
5:50 PM	IN376	Bandung	(EI	Nam Air	735	Scheduled		4
5:50 PM	JT780	Makassar	(Garuda	Ind	739	Scheduled		
5:55 PM	IN9376	Bandung	(EI	Nam Air	735	Scheduled		
6:00 PM	GA323	Jakarta	(CC	Garuda Ind	332	Scheduled	1800-1829	12 1800-1814
6:00 PM	GA367	Makassar	(Garuda	Ind	CRK	Scheduled		
6:00 PM	QG418	Pontianak	(TI	Citilink	320	Scheduled		
6:05 PM	JT730	Balikpapan	Lion Airline		738	Scheduled		
6:05 PM	JT858	Balikpapan	Lion Airline		738	Scheduled		
6:10 PM	QG698	Denpasar	(Garuda	Ind	320	Scheduled		1815-1829
6:15 PM	JT149	Bandar Lan	Lion Airline		739	Scheduled		
6:20 PM	GA448	Kupang	(KC	Garuda Ind	738	Scheduled		
6:20 PM	JT704	Makassar	(Garuda	Ind	738	Scheduled		
6:25 PM	IN227	Semarang	(Nam	Air	735	Scheduled		
6:25 PM	ID6581	Jakarta	(CC	Batik Air	32A	Scheduled		
6:25 PM	SJ259	Jakarta	(CC	Sriwijaya A	733	Scheduled		
6:30 PM	QG177	Jakarta	(HL	Citilink	320	Scheduled	1830-1859	8 1830-1844
6:30 PM	QZ7693	Jakarta	(CC	Indonesia	/	Scheduled		5
6:40 PM	GA325	Jakarta	(CC	Garuda Ind	738	Canceled		

6:40 PM	JT682	Palangka Lion Airline	739	Scheduled				
6:40 PM	MI225	Singapore SilkAir	738	Scheduled				
6:45 PM	ID7516	Jakarta (HL) Batik Air	32A	Scheduled		1845-1859		3
6:50 PM	SJ227	Semarang (Sriwijaya A)	735	Scheduled				
6:55 PM	QG806	Semarang (Citilink)	320	Scheduled				
7:00 PM	JT696	Kupang (KC) Lion Airline	739	Scheduled	1900-1929	5	1900-1914-	3
7:10 PM	QG721	Jakarta (CC) Citilink	320	Scheduled				
7:10 PM	SJ264	Denpasar (Sriwijaya A)	735	Scheduled		1915-1929		2
7:15 PM	JT697	Jakarta (CC) Lion Airline	738	Scheduled				
7:15 PM	QZ7624	Denpasar (Indonesia /)	320	Scheduled				
7:30 PM	IW1813	Yogyakarta Wings Air	AT4	Scheduled	1930-1959	11	1930-1944	6
7:35 PM	GA327	Jakarta (CC) Garuda Ind	738	Scheduled				
7:40 PM	SJ267	Jakarta (CC) Sriwijaya A	735	Scheduled				
7:40 PM	IW1801	Semarang (Wings Air)	AT4	Scheduled				
7:40 PM	QG179	Jakarta (HL) Citilink	320	Scheduled				
7:40 PM	QG440	Balikpapan Citilink	320	Scheduled				
7:45 PM	JT737	Denpasar (Lion Airline)	739	Scheduled		1945-1959-		5
7:45 PM	JT990	Denpasar (Lion Airline)	739	Scheduled				
7:45 PM	JT585	Jakarta (CC) Lion Airline	739	Scheduled				
7:55 PM	ID6175	Jakarta (CC) Batik Air	32A	Scheduled				
7:55 PM	ID7520	Jakarta (CC) Batik Air	32A	Scheduled				
8:00 PM	QG723	Jakarta (CC) Citilink	320	Scheduled	2000-2029	1	2000-2014	1
8:30 PM	GA329	Jakarta (CC) Garuda Ind	738	Canceled	2030-2059	5	2015-2029	0
8:30 PM	QG725	Jakarta (CC) Citilink	320	Scheduled			2030-2044	2
8:50 PM	IW1847	Yogyakarta Wings Air	AT4	Scheduled			2045-2059	3
8:55 PM	GA331	Jakarta (CC) Garuda Ind	738	Scheduled				
8:55 PM	ID7518	Jakarta (HL) Batik Air	738	Scheduled				
9:10 PM	ID6309	Jakarta (CC) Batik Air	32A	Scheduled	2100-2129	4	2100-2114	1
9:15 PM	QG727	Jakarta (CC) Citilink	320	Scheduled			2115-2129	3
9:15 PM	SJ570	Makassar (Sriwijaya A)	735	Scheduled				
9:25 PM	SJ562	Makassar (Sriwijaya A)	733	Scheduled				
9:30 PM	JT595	Jakarta (CC) Lion Airline	739	Scheduled	2130-2159	2	2130-2144	1
9:45 PM	ID6583	Jakarta (CC) Batik Air	32A	Scheduled			2145-2159	1
10:00 PM	ID6136	Makassar (Batik Air)	32A	Scheduled	2200-2229	5	2200-2214	2
10:00 PM	ID8196	Makassar (Batik Air)	32A	Scheduled				
10:25 PM	JT800	Makassar (Lion Airline)	739	Scheduled				
10:25 PM	JT880	Makassar (Lion Airline)	739	Scheduled				
10:25 PM	JT1798	Makassar (Lion Airline)	739	Scheduled			2215-2229	3
10:35 PM	JT821	Jakarta (CC) Lion Airline	738	Scheduled	2230-2259	2	2230-2244	1
10:45 PM	JT3780	Makassar (Lion Airline)	739	Scheduled			2245-2259	1

DIST	SEC	
0	26.97574483	12:04:32 PM
1.1	61.30851098	12:04:05 PM
3.6	14.71404264	12:03:04 PM
4.2	46.59446834	12:02:49 PM
6.1	24.48979592	12:02:02 PM
7.1	6.12244898	12:01:38 PM
7.35	30.6122449	12:01:32 PM
8.6	61.2244898	12:01:01 PM
11.1	12:00:00 PM	
ARRIVAL	ID6576	B739 (PK-LBJ)

1

DIST	SEC	
0	26.97574483	12:06:20 PM
1.1	61.30851098	12:05:53 PM
3.6	14.71404264	12:04:52 PM
4.2	46.59446834	12:04:37 PM
6.1	24.48979592	12:03:50 PM
7.1	6.12244898	12:03:26 PM
7.35	30.6122449	12:03:20 PM
8.6	61.2244898	12:02:49 PM
11.1	12:01:48 PM	
ARRIVAL	JT807	B739 (PK-LHL)

2

PERHITUNGAN STANDARD APPROACH

	30.2176	12:06:50 PM
DEPART	IN116	AT76

3

	60
DEPART	SJ334

4

DIST	SEC	
0	26.97574483	12:13:00 PM
1.1	61.30851098	12:12:33 PM
3.6	14.71404264	12:11:32 PM
4.2	46.59446834	12:11:17 PM
6.1	24.48979592	12:10:30 PM
7.1	6.12244898	12:10:06 PM
7.35	30.6122449	12:10:00 PM
8.6	61.2244898	12:09:29 PM
11.1	12:08:28 PM	
ARRIVAL	JT177	739

12:07:50 PM
738

	60	12:08:50 PM
DEPART	IW1880	AT76 (PK-WJF)

	60	12:09:50 PM
DEPART	JT260	739

DIST	SEC	
0	26.9757448	12:14:42 PM
1.1	61.308511	12:14:15 PM
3.6	14.7140426	12:13:14 PM
4.2	46.5944683	12:12:59 PM
6.1	24.4897959	12:12:12 PM
7.1	6.12244898	12:11:54 PM
7.35	30.6122449	12:11:48 PM
8.6	61.2244898	12:11:17 PM
11.1	12:10:16 PM	
ARRIVAL	JT695	B739 (PK-LHT)

8

DIST	SEC	
0	28.52830568	12:16:57 PM
1.1	64.83705837	12:16:28 PM
3.6	15.56089401	12:15:23 PM
4.2	49.27616436	12:15:07 PM
6.1	22.01438849	12:14:18 PM
6.95	3.884892086	12:13:56 PM
	0.001412037	
	2.033333333	2.31666667
	4.710555556	
7.1	38.84892086	12:13:52 PM
	0.001435185	
	2.066666667	2.31666667
	4.787777778	
8.6	64.74820144	12:13:13 PM
	0.001342593	
	1.933333333	2.31666667
	4.478888889	
11.1	12:12:08 PM	
ARRIVAL	QZ696	A320 (PK-AKH)

9

	28.8672	12:17:26 PM
DEPART	JT916	B738 (PK-LOG)

10

	60
DEPART	JT591

11

12:18:26 PM
739

DIST	SEC	
0	31.9793104	12:21:36 PM
1.1	72.68025092	12:21:04 PM
3.6	17.44326022	12:19:51 PM
4.2	55.2369907	12:19:34 PM
6.1	2.903225806	12:18:39 PM
6.2	69.67741935	12:18:36 PM
7.1	43.5483871	12:17:26 PM
8.6	72.58064516	12:16:42 PM
11.1	12:15:29 PM	
ARRIVAL	IW1873	AT76 (PK-WGQ)

12

DIST	SEC	
0	28.52830568	12:23:35 PM
	0.001377315	
	1.983333333	2.31666667
	4.594722222	
1.1	64.83705837	12:23:06 PM
	0.001412037	
	2.033333333	2.31666667
	4.710555556	
3.6	15.56089401	12:22:01 PM
	0.00150463	
	2.166666667	2.31666667
	5.019444444	
4.2	49.27616436	12:21:45 PM
	0.001516204	
	2.183333333	2.31666667
	5.058055556	
6.1	22.01438849	12:20:56 PM
	0.001585648	
	2.283333333	2.31666667
	5.289722222	
6.95	3.884892086	12:20:34 PM
	0.002175926	
	3.133333333	2.31666667
	7.258888889	
7.1	38.84892086	12:20:30 PM
	0.001319444	
	1.9	2.31666667
	4.401666667	
8.6	64.74820144	12:19:51 PM
	0.0021875	
	3.15	2.31666667
	7.2975	
11.1	12:18:46 PM	
ARRIVAL	QG437	320

13

DIST	SEC	
0	28.52830568	12:25:29 PM
1.1	64.83705837	12:25:00 PM
3.6	15.56089401	12:23:55 PM
4.2	49.27616436	12:23:39 PM
6.1	22.01438849	12:22:50 PM
6.95	3.884892086	12:22:28 PM
7.1	38.84892086	12:22:24 PM
8.6	64.74820144	12:21:45 PM
11.1	12:20:40 PM	
ARRIVAL	QG671	A320 (PK-GLZ)

14

DIST	SEC	
0	28.52830568	12:27:23 PM
1.1	64.83705837	12:26:54 PM
3.6	15.56089401	12:25:49 PM
4.2	49.27616436	12:25:33 PM
6.1	22.01438849	12:24:44 PM
6.95	3.884892086	12:24:22 PM
7.1	38.84892086	12:24:18 PM
8.6	64.74820144	12:23:39 PM
11.1	12:22:34 PM	
ARRIVAL	QG697	A320 (PK-GQU)

15

DIST	SEC	
0	26.79347628	12:29:11 PM
	0.00125	
	1.8	2.466666667
	4.44	
1.1	60.89426428	12:28:44 PM
	0.001273148	
	1.833333333	2.466666667
	4.522222222	
3.6	14.61462343	12:27:43 PM
	0.001319444	
	1.9	2.466666667
	4.686666667	
4.2	46.27964086	12:27:28 PM
	0.001331019	
	1.916666667	2.466666667
	4.727777778	
6.1	24.32432432	12:26:42 PM
	0.001365741	
	1.966666667	2.466666667
	4.851111111	
7.1	7.297297297	12:26:18 PM
	0.001342593	
	1.933333333	2.466666667
	4.768888889	
7.4	29.18918919	12:26:11 PM
	0.00130787	
	1.883333333	2.466666667
	4.645555556	
8.6	60.81081081	12:25:42 PM
	0.001423611	
	2.05	2.466666667
	5.056666667	
11.1	12:24:41 PM	
ARRIVAL	JT227	B738 (PK-LKV)

16

DIST	SEC	
0	26.79347628	12:30:58 PM
1.1	60.89426428	12:30:31 PM
3.6	14.61462343	12:29:30 PM
4.2	46.27964086	12:29:15 PM
6.1	24.32432432	12:28:29 PM
7.1	7.297297297	12:28:05 PM
7.4	29.18918919	12:27:58 PM
8.6	60.81081081	12:27:29 PM
11.1	12:26:28 PM	
ARRIVAL	SJ266	B738 (PK-CLA)

17

DIST	SEC	
0	26.79347628	
1.1	60.89426428	
3.6	14.61462343	
4.2	46.27964086	
6.1	24.32432432	
7.1	7.297297297	
7.4	29.18918919	
8.6	60.81081081	
11.1	12:28:15 PM	
ARRIVAL	JT269	

18

12:32:45 PM
12:32:18 PM
12:31:17 PM
12:31:02 PM
12:30:16 PM
12:29:52 PM
12:29:45 PM
12:29:16 PM
B738 (PK-LPV)

	30.3864	12:33:15 PM
DEPART	GA315	B738 (PK-GME)

19

DIST	SEC	
0	28.52830568	12:36:26 PM
1.1	64.83705837	12:35:57 PM
3.6	15.56089401	12:34:52 PM
4.2	49.27616436	12:34:36 PM
6.1	22.01438849	12:33:47 PM
6.95	3.884892086	12:33:25 PM
7.1	38.84892086	12:33:21 PM
8.6	64.74820144	12:32:42 PM
11.1	12:31:37 PM	
ARRIVAL	ID6413	A320 (PK-LAS)

20

DIST	SEC	
0	29.37358882	12:38:29 PM
	0.001423611	
	2.05	2.25
	4.6125	
1.1	66.7581564	12:38:00 PM
	0.001423611	
	2.05	2.25
	4.6125	
3.6	16.02195754	12:36:53 PM
	0.001400463	
	2.016666667	2.25
	4.5375	
4.2	50.73619886	12:36:37 PM
	0.001400463	
	2.016666667	2.25
	4.5375	
6.1	17.33333333	12:35:46 PM
	0.001377315	
	1.983333333	2.25
	4.4625	
6.75	9.333333333	12:35:29 PM
	0.001435185	
	2.066666667	2.25
	4.65	
7.1	40	12:35:20 PM
	0.001377315	
	1.983333333	2.25
	4.4625	
8.6	66.66666667	12:34:40 PM
	0.001365741	
	1.966666667	2.25
	4.425	
11.1	12:33:33 PM	
ARRIVAL	IN193	B735 (PK-NAL)

21

	28.192	12:38:57 PM
DEPART	JT376	739

22

DIST	SEC	
0	26.79347628	12:42:07 PM
1.1	60.89426428	12:41:40 PM
3.6	14.61462343	12:40:39 PM
4.2	46.27964086	12:40:24 PM
6.1	24.32432432	12:39:38 PM
7.1	7.297297297	12:39:14 PM
7.4	29.18918919	12:39:07 PM
8.6	60.81081081	12:38:38 PM
11.1	12:37:37 PM	

23

DIST	SEC	
0	28.52830568	12:44:18 PM
	0.001516204	
	2.183333333	2.316666667
	5.058055556	
1.1	64.83705837	12:43:49 PM
	0.001493056	
	2.15	2.316666667
	4.980833333	
3.6	15.56089401	12:42:44 PM
	0.001446759	
	2.083333333	2.316666667
	4.826388889	
4.2	49.27616436	12:42:28 PM
	0.001435185	
	2.066666667	2.316666667
	4.787777778	
6.1	22.01438849	12:41:39 PM
	0.001400463	
	2.016666667	2.316666667
	4.671944444	
6.95	3.884892086	12:41:17 PM
	0.001423611	
	2.05	2.316666667
	4.749166667	
7.1	38.84892086	12:41:13 PM
	0.001458333	
	2.1	2.316666667
	4.865	
8.6	64.74820144	12:40:34 PM
	0.001342593	
	1.933333333	2.316666667
	4.478888889	
11.1	12:39:29 PM	

24

	28.8672
DEPART	QG834

25

12:44:47 PM
A20N (PK-GTH)

DIST	SEC	
0	26.97574483	12:47:57 PM
1.1	61.30851098	12:47:30 PM
3.6	14.71404264	12:46:29 PM
4.2	46.59446834	12:46:14 PM
6.1	24.48979592	12:45:27 PM
7.1	6.12244898	12:45:03 PM
7.35	30.6122449	12:44:57 PM
8.6	61.2244898	12:44:26 PM
11.1	12:43:25 PM	
ARRIVAL	JT736	B739 (PK-LJL)

26

DIST	SEC	
0	26.9757448	12:49:45 PM
1.1	61.308511	12:49:18 PM
3.6	14.7140426	12:48:17 PM
4.2	46.5944683	12:48:02 PM
6.1	24.4897959	12:47:15 PM
7.1	6.12244898	12:46:51 PM
7.35	30.6122449	12:46:45 PM
8.6	61.2244898	12:46:14 PM
11.1	12:45:13 PM	
ARRIVAL	JT923	B739 (PK-LKO)

27

30.2176	12:50:15 PM
DEPART	ID6575 B739 (PK-LBJ)

28

DIST	SEC	
0	26.79347628	12:53:25 PM
1.1	60.89426428	12:52:58 PM
3.6	14.61462343	12:51:57 PM
4.2	46.27964086	12:51:42 PM
6.1	24.32432432	12:50:56 PM
7.1	7.297297297	12:50:32 PM
7.4	29.18918919	12:50:25 PM
8.6	60.81081081	12:49:56 PM
11.1	12:48:55 PM	
ARRIVAL	GA312	B738 (PK-GMC)

29

DIST	SEC	
0	26.79347628	12:55:12 PM
1.1	60.89426428	12:54:45 PM
3.6	14.61462343	12:53:44 PM
4.2	46.27964086	12:53:29 PM
6.1	24.32432432	12:52:43 PM
7.1	7.297297297	12:52:19 PM
7.4	29.18918919	12:52:12 PM
8.6	60.81081081	12:51:43 PM
11.1	12:50:42 PM	
ARRIVAL	JT837	B738 (PK-LPQ)

30

	30.3864	12:55:42 PM
DEPART	IW1808	AT76 (PK-WGQ)

31

	60
DEPART	QG986

32

12:56:42 PM
A320 (PK-GQH)

DIST	SEC	
0	26.97574483	12:59:52 PM
1.1	61.30851098	12:59:25 PM
3.6	14.71404264	12:58:24 PM
4.2	46.59446834	12:58:09 PM
6.1	24.48979592	12:57:22 PM
7.1	6.12244898	12:56:58 PM
7.35	30.6122449	12:56:52 PM
8.6	61.2244898	12:56:21 PM
11.1	12:55:20 PM	
ARRIVAL	JT681	B739 (PK-LGO)

33

DIST	SEC	
0	26.79347628	1:01:40 PM
	0.001250000	
	1.8	2.466666667
	4.44	
1.1	60.89426428	1:01:13 PM
	0.001250000	
	1.8	2.466666667
	4.44	
3.6	14.61462343	1:00:12 PM
	0.001250000	
	1.8	2.466666667
	4.44	
4.2	46.27964086	12:59:57 PM
	0.00125	
	1.8	2.466666667
	4.44	
6.1	24.32432432	12:59:11 PM
	0.001261574	
	1.816666667	2.466666667
	4.481111111	
7.1	7.297297297	12:58:47 PM
	0.001261574	
	1.816666667	2.466666667
	4.481111111	
7.4	29.18918919	12:58:40 PM
	0.00125	
	1.8	2.466666667
	4.44	
8.6	60.81081081	12:58:11 PM
	0.001273148	
	1.833333333	2.466666667
	4.522222222	
11.1	12:57:10 PM	
ARRIVAL	JT694	B738 (PK-LOJ)

34

	30.3864	1:02:10 PM
DEPART	JT706	B739 (PK-LHT)

35

	60	1:03:10 PM
DEPART	QZ322	A320 (PK-AXH)

36

DIST	SEC	
0	28.52830568	1:06:21 PM
1.1	64.83705837	1:05:52 PM
3.6	15.56089401	1:04:47 PM
4.2	49.27616436	1:04:31 PM
6.1	22.01438849	1:03:42 PM
6.95	3.884892086	1:03:20 PM
7.1	38.84892086	1:03:16 PM
8.6	64.74820144	1:02:37 PM
11.1	1:01:32 PM	
ARRIVAL	QG433	320

37

	28.8672	1:06:50 PM
DEPART	QG436	320

38

	60
DEPART	QG696

39

1:07:50 PM
A320 (PK-GLZ)

DIST	SEC	
0	27.7779378	12:04:40 PM
1.1	63.13167683	12:04:12 PM
3.6	15.15160244	12:03:09 PM
4.2	47.83216783	12:02:54 PM
6.1	25.17482517	12:02:06 PM
7.1	1.258741259	12:01:41 PM
7.15	36.5034965	12:01:40 PM
8.6	62.93706294	12:01:03 PM
11.1	12:00:00 PM	
ARRIVAL	ID6576	B739 (PK-LBJ)

1

DIST	SEC	
0	27.7779378	12:06:31 PM
1.1	63.13167683	12:06:03 PM
3.6	15.15160244	12:05:00 PM
4.2	47.83216783	12:04:45 PM
6.1	25.17482517	12:03:57 PM
7.1	1.258741259	12:03:32 PM
7.15	36.5034965	12:03:31 PM
8.6	62.93706294	12:02:54 PM
11.1	12:01:51 PM	
ARRIVAL	JT807	B739 (PK-LHL)

2

PERHITUNGAN STEEP APPROACH

	29.5424	12:07:01 PM
DEPART	IN116	AT76

3

	60
DEPART	IW1880

4

DIST	SEC	
0	27.7779378	12:13:11 PM
1.1	63.13167683	12:12:43 PM
3.6	15.15160244	12:11:40 PM
4.2	47.83216783	12:11:25 PM
6.1	25.17482517	12:10:37 PM
7.1	1.258741259	12:10:12 PM
7.15	36.5034965	12:10:11 PM
8.6	62.93706294	12:09:34 PM
11.1	12:08:31 PM	
ARRIVAL	JT177	739

12:08:01 PM
AT76 (PK-WJF)

	60	12:09:01 PM
DEPART	<u>SJ334</u>	738

5

	60	12:10:01 PM
DEPART	JT260	739

6

7

DIST	SEC	
0	27.7779378	12:15:02 PM
1.1	63.13167683	12:14:34 PM
3.6	15.15160244	12:13:31 PM
4.2	47.83216783	12:13:16 PM
6.1	25.17482517	12:12:28 PM
7.1	1.258741259	12:12:03 PM
7.15	36.5034965	12:12:02 PM
8.6	62.93706294	12:11:25 PM
11.1	12:10:22 PM	
ARRIVAL	JT695	B739 (PK-LHT)

DIST	SEC	
0	29.64362019	12:17:17 PM
	0.0015625	
	2.25	2.23333333
	5.025	
1.1	67.37186408	12:16:47 PM
	0.001539352	
	2.216666667	2.23333333
	4.950555556	
3.6	16.16924738	12:15:40 PM
	0.001493056	
	2.15	2.23333333
	4.801666667	
4.2	51.04477612	12:15:24 PM
	0.001481481	
	2.133333333	2.23333333
	4.764444444	
6.1	16.11940299	12:14:33 PM
	0.001446759	
	2.083333333	2.23333333
	4.652777778	
6.7	10.74626866	12:14:17 PM
	0.001550926	
	2.233333333	2.23333333
	4.987777778	
7.1	40.29850746	12:14:06 PM
	0.001435185	
	2.066666667	2.23333333
	4.615555556	
8.6	67.1641791	12:13:26 PM
	0.001400463	
	2.016666667	2.23333333
	4.503888889	
11.1	12:12:19 PM	
ARRIVAL	QZ696	A320 (PK-AXH)

	28.0232	12:17:45 PM
DEPART	JT916	B738 (PK-LOG)

	60
DEPART	JT591

12:18:45 PM
739

DIST	SEC	
0	35.15261156	12:21:55 PM
1.1	79.89229899	12:21:20 PM
3.6	19.17415176	12:20:00 PM
4.2	46.19469027	12:19:41 PM
5.65	17.52212389	12:18:55 PM
6.1	31.85840708	12:18:37 PM
7.1	47.78761062	12:18:05 PM
8.6	79.6460177	12:17:17 PM
11.1	12:15:57 PM	
ARRIVAL	IW1873	AT76 (PK-WGQ)

12

DIST	SEC	
0	29.64362019	12:23:54 PM
	0.001377315	
	1.983333333	2.23333333
	4.429444444	
1.1	67.37186408	12:23:24 PM
	0.001435185	
	2.066666667	2.23333333
	4.615555556	
3.6	16.16924738	12:22:17 PM
	0.001585648	
	2.283333333	2.23333333
	5.099444444	
4.2	51.04477612	12:22:01 PM
	0.00162037	
	2.333333333	2.23333333
	5.211111111	
6.1	16.11940299	12:21:10 PM
	0.0015625	
	2.25	2.23333333
	5.025	
6.7	10.74626866	12:20:54 PM
	0.001585648	
	2.283333333	2.23333333
	5.099444444	
7.1	40.29850746	12:20:43 PM
	0.001828704	
	2.633333333	2.23333333
	5.881111111	
8.6	67.1641791	12:20:03 PM
	0.001921296	
	2.766666667	2.23333333
	6.178888889	
11.1	12:18:56 PM	
ARRIVAL	QG437	320

13

DIST	SEC	
0	29.64362019	12:25:51 PM
1.1	67.37186408	12:25:21 PM
3.6	16.16924738	12:24:14 PM
4.2	51.04477612	12:23:58 PM
6.1	16.11940299	12:23:07 PM
6.7	10.74626866	12:22:51 PM
7.1	40.29850746	12:22:40 PM
8.6	67.1641791	12:22:00 PM
11.1	12:20:53 PM	
ARRIVAL	QG671	A320 (PK-GLZ)

14

DIST	SEC	
0	29.64362019	12:27:48 PM
1.1	67.37186408	12:27:18 PM
3.6	16.16924738	12:26:11 PM
4.2	51.04477612	12:25:55 PM
6.1	16.11940299	12:25:04 PM
6.7	10.74626866	12:24:48 PM
7.1	40.29850746	12:24:37 PM
8.6	67.1641791	12:23:57 PM
11.1	12:22:50 PM	
ARRIVAL	QG697	A320 (PK-GQU)

15

DIST	SEC	
0	28.17195111	12:29:41 PM
	0.00130787	
	1.883333333	2.35
	4.425833333	
1.1	64.02716161	12:29:13 PM
	0.001331019	
	1.916666667	2.35
	4.504166667	
3.6	15.36651879	12:28:09 PM
	0.001365741	
	1.966666667	2.35
	4.621666667	
4.2	48.5106383	12:27:54 PM
	0.001377315	
	1.983333333	2.35
	4.660833333	
6.1	24.25531915	12:27:05 PM
	0.001400463	
	2.016666667	2.35
	4.739166667	
7.05	1.276595745	12:26:41 PM
	0.00130787	
	1.883333333	2.35
	4.425833333	
7.1	38.29787234	12:26:40 PM
	0.001423611	
	2.05	2.35
	4.8175	
8.6	63.82978723	12:26:02 PM
	0.001446759	
	2.083333333	2.35
	4.895833333	
11.1	12:24:58 PM	
ARRIVAL	JT227	B738 (PK-LKV)

16

DIST	SEC	
0	28.17195111	12:31:33 PM
1.1	64.02716161	12:31:05 PM
3.6	15.36651879	12:30:01 PM
4.2	48.5106383	12:29:46 PM
6.1	24.25531915	12:28:57 PM
7.05	1.276595745	12:28:33 PM
7.1	38.29787234	12:28:32 PM
8.6	63.82978723	12:27:54 PM
11.1	12:26:50 PM	
ARRIVAL	SJ266	B738 (PK-CLA)

17

DIST	SEC	
0	28.17195111	
1.1	64.02716161	
3.6	15.36651879	
4.2	48.5106383	
6.1	24.25531915	
7.05	1.276595745	
7.1	38.29787234	
8.6	63.82978723	
11.1	12:28:42 PM	
ARRIVAL	JT269	

18

12:33:25 PM
12:32:57 PM
12:31:53 PM
12:31:38 PM
12:30:49 PM
12:30:25 PM
12:30:24 PM
12:29:46 PM
B738 (PK-LPV)

	29.2048	12:33:54 PM
DEPART	GA315	B738 (PK-GME)

19

DIST	SEC	
0	29.64362019	12:37:04 PM
1.1	67.37186408	12:36:34 PM
3.6	16.16924738	12:35:27 PM
4.2	51.04477612	12:35:11 PM
6.1	16.11940299	12:34:20 PM
6.7	10.74626866	12:34:04 PM
7.1	40.29850746	12:33:53 PM
8.6	67.1641791	12:33:13 PM
11.1	12:32:06 PM	
ARRIVAL	ID6413	A320 (PK-LAS)

20

DIST	SEC	
0	30.5557316	12:39:15 PM
	0.0015162	
	2.18333333	2.166666667
	4.73055556	
1.1	69.4448445	12:38:44 PM
	0.00150463	
	2.16666667	2.166666667
	4.69444444	
3.6	16.6667627	12:37:35 PM
	0.00148148	
	2.13333333	2.166666667
	4.62222222	
4.2	52.6153846	12:37:18 PM
	0.00146991	
	2.11666667	2.166666667
	4.58611111	
6.1	11.0769231	12:36:25 PM
	0.00144676	
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	4.69444444	
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	2.06666667	2.166666667
	4.47777778	
8.6	69.2307692	12:35:15 PM
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	2.03333333	2.166666667
	4.40555556	
11.1	12:34:06 PM	
ARRIVAL	IN193	B735 (PK-NAL)

21

	27.348	12:39:42 PM
DEPART	JT376	739

22

DIST	SEC	
0	28.17195111	12:42:52 PM
1.1	64.02716161	12:42:24 PM
3.6	15.36651879	12:41:20 PM
4.2	48.5106383	12:41:05 PM
6.1	24.25531915	12:40:16 PM
7.05	1.276595745	12:39:52 PM
7.1	38.29787234	12:39:51 PM
8.6	63.82978723	12:39:13 PM
11.1	12:38:09 PM	
ARRIVAL	JT857	738

23

DIST	SEC	
0	29.6436202	12:45:02 PM
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1.1	67.3718641	12:44:32 PM
	0.00148148	
	2.133333333	2.233333333
	4.764444444	
3.6	16.1692474	12:43:25 PM
	0.00144676	
	2.083333333	2.233333333
	4.65277778	
4.2	51.0447761	12:43:09 PM
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	4.61555556	
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	2.033333333	2.233333333
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	4.83888889	
7.1	40.2985075	12:41:51 PM
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24

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DEPART	QG834

25

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3.6	15.15160244	12:47:09 PM
4.2	47.83216783	12:46:54 PM
6.1	25.17482517	12:46:06 PM
7.1	1.258741259	12:45:41 PM
7.15	36.5034965	12:45:40 PM
8.6	62.93706294	12:45:03 PM
11.1	12:44:00 PM	
ARRIVAL	JT736	B739 (PK-LJL)

12:45:30 PM
A20N (PK-GTH)

DIST	SEC	
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3.6	15.15160244	12:49:00 PM
4.2	47.83216783	12:48:45 PM
6.1	25.17482517	12:47:57 PM
7.1	1.258741259	12:47:32 PM
7.15	36.5034965	12:47:31 PM
8.6	62.93706294	12:46:54 PM
11.1	12:45:51 PM	
ARRIVAL	JT923	B739 (PK-LKO)

12:45:51 PM
JT923 (PK-LKO)

	29.5424	12:51:01 PM
DEPART	ID6575	B739 (PK-LBJ)

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4.2	48.5106383	12:52:24 PM
6.1	24.25531915	12:51:35 PM
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7.1	38.29787234	12:51:10 PM
8.6	63.82978723	12:50:32 PM
11.1	12:49:28 PM	
ARRIVAL	GA312	B738 (PK-GMC)

29

DIST	SEC	
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7.1	38.29787234	12:53:02 PM
8.6	63.82978723	12:52:24 PM
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ARRIVAL	JT837	B738 (PK-LPQ)

30

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DEPART	IW1808	AT76 (PK-WGQ)

31

	60
DEPART	QG986

32

12:57:32 PM
A320 (PK-GQH)

DIST	SEC	
0	27.7779378	1:00:42 PM
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4.2	47.83216783	12:58:56 PM
6.1	25.17482517	12:58:08 PM
7.1	1.258741259	12:57:43 PM
7.15	36.5034965	12:57:42 PM
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ARRIVAL	JT681	B739 (PK-LGO)

33

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	4.465	
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	1.9	2.35
	4.465	
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	1.9	2.35
	4.465	
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ARRIVAL	JT694	B738 (PK-LOJ)

34

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DEPART	JT706	B739 (PK-LHT)

35

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DEPART	QZ322	A320 (PK-AXH)

36

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	15.1122222	
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	5.65	2.233333333
	12.6183333	
4.2	51.0447761	1:05:23 PM
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	5.38333333	2.233333333
	12.0227778	
6.1	16.119403	1:04:32 PM
	0.00314815	
	4.53333333	2.233333333
	10.1244444	
6.7	10.7462687	1:04:16 PM
	0.00296296	
	4.26666667	2.233333333
	9.52888889	
7.1	40.2985075	1:04:05 PM
	0.00283565	
	4.08333333	2.233333333
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8.6	67.1641791	1:03:25 PM
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11.1	1:02:18 PM	
ARRIVAL	QG433	320

37

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DEPART	QG436	320

38

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DEPART	QG696	A320 (PK-GLZ)

39

KETERANGAN GAMBAR

— ATR-72

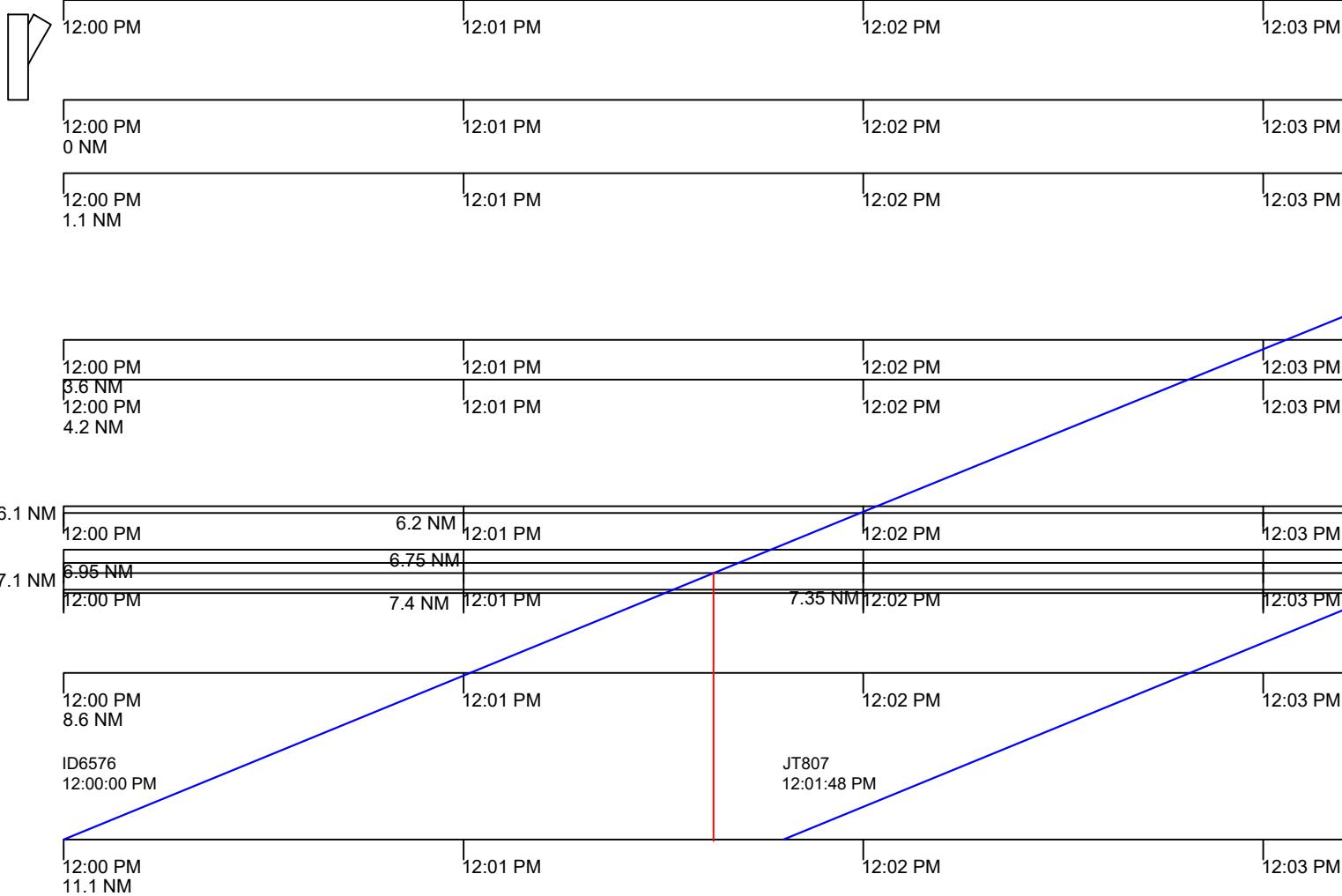
— B737-500

— B737-800

— B737-900ER

— A320

— JARAK KRITIS (SEPARASI)

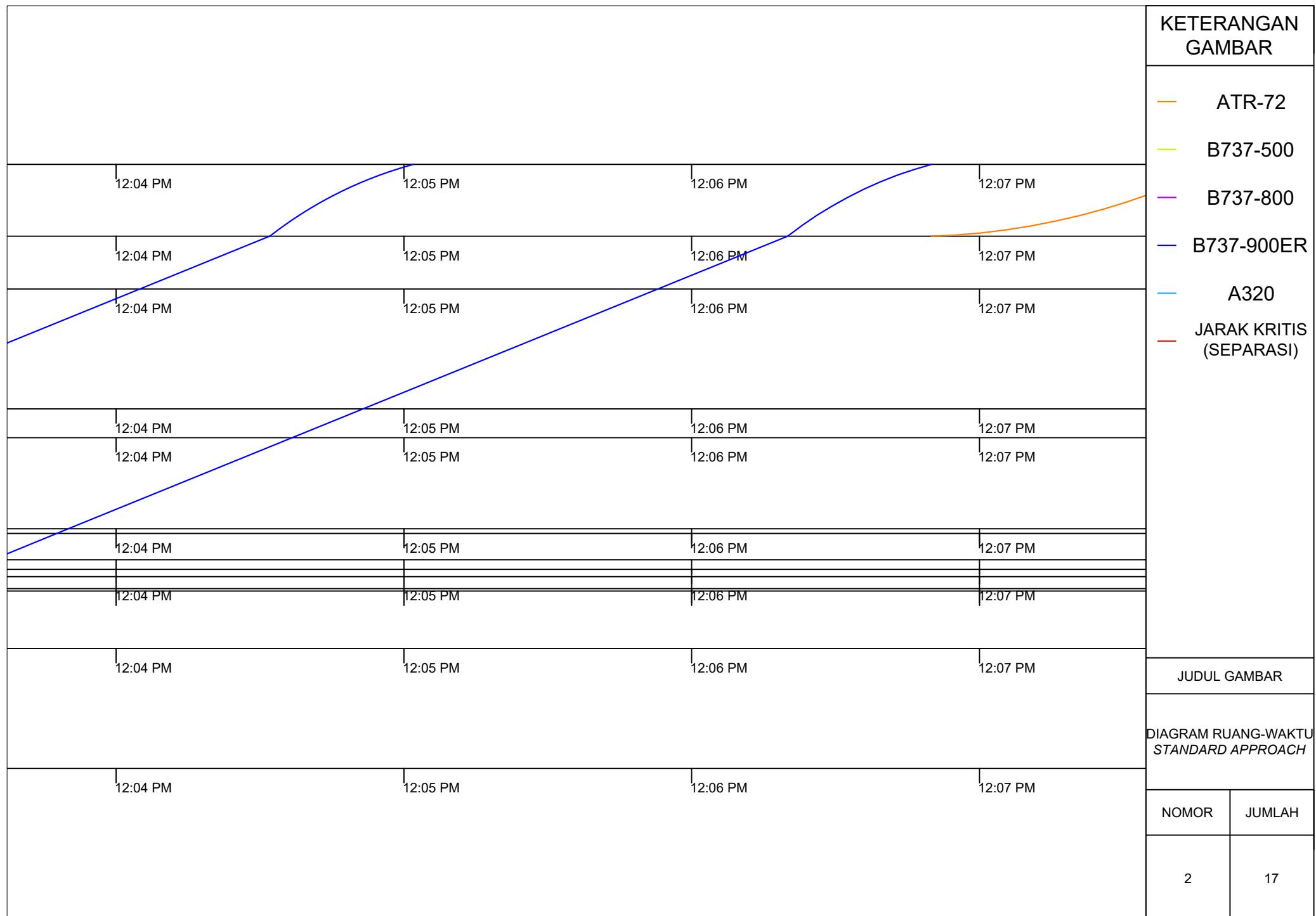


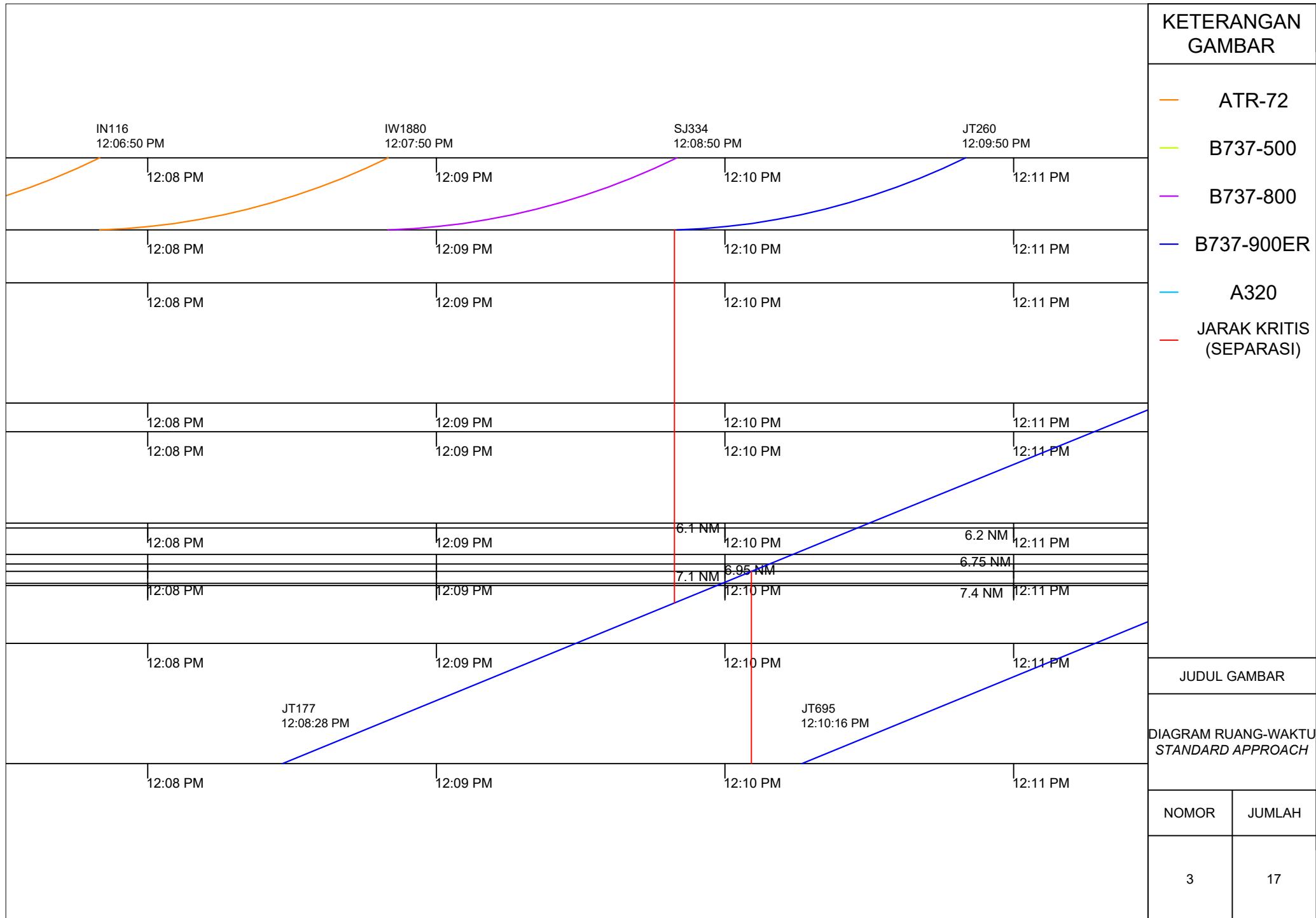
JUDUL GAMBAR

DIAGRAM RUANG-WAKTU STANDARD APPROACH

NOMOR JUMLAH

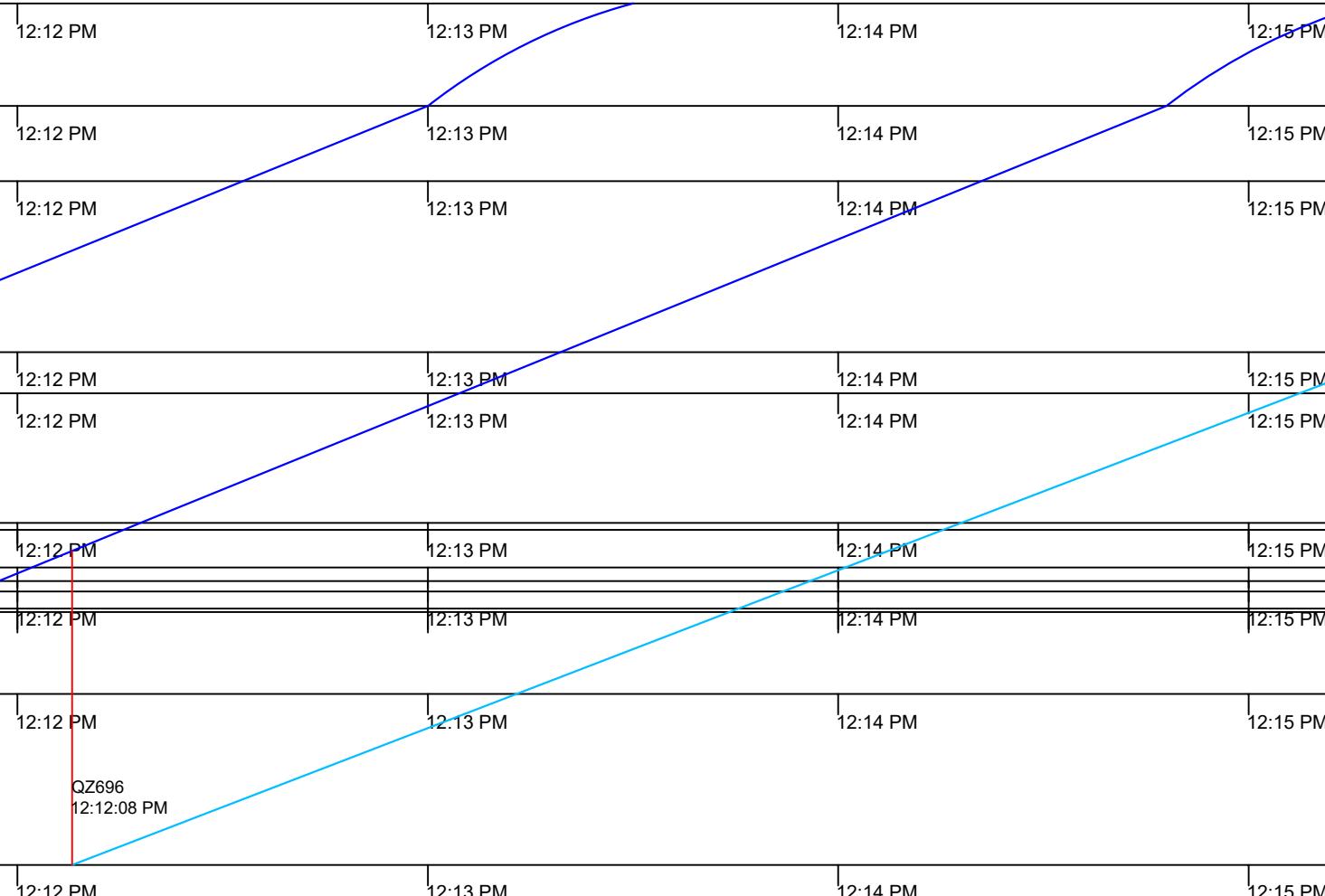
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KETERANGAN GAMBAR

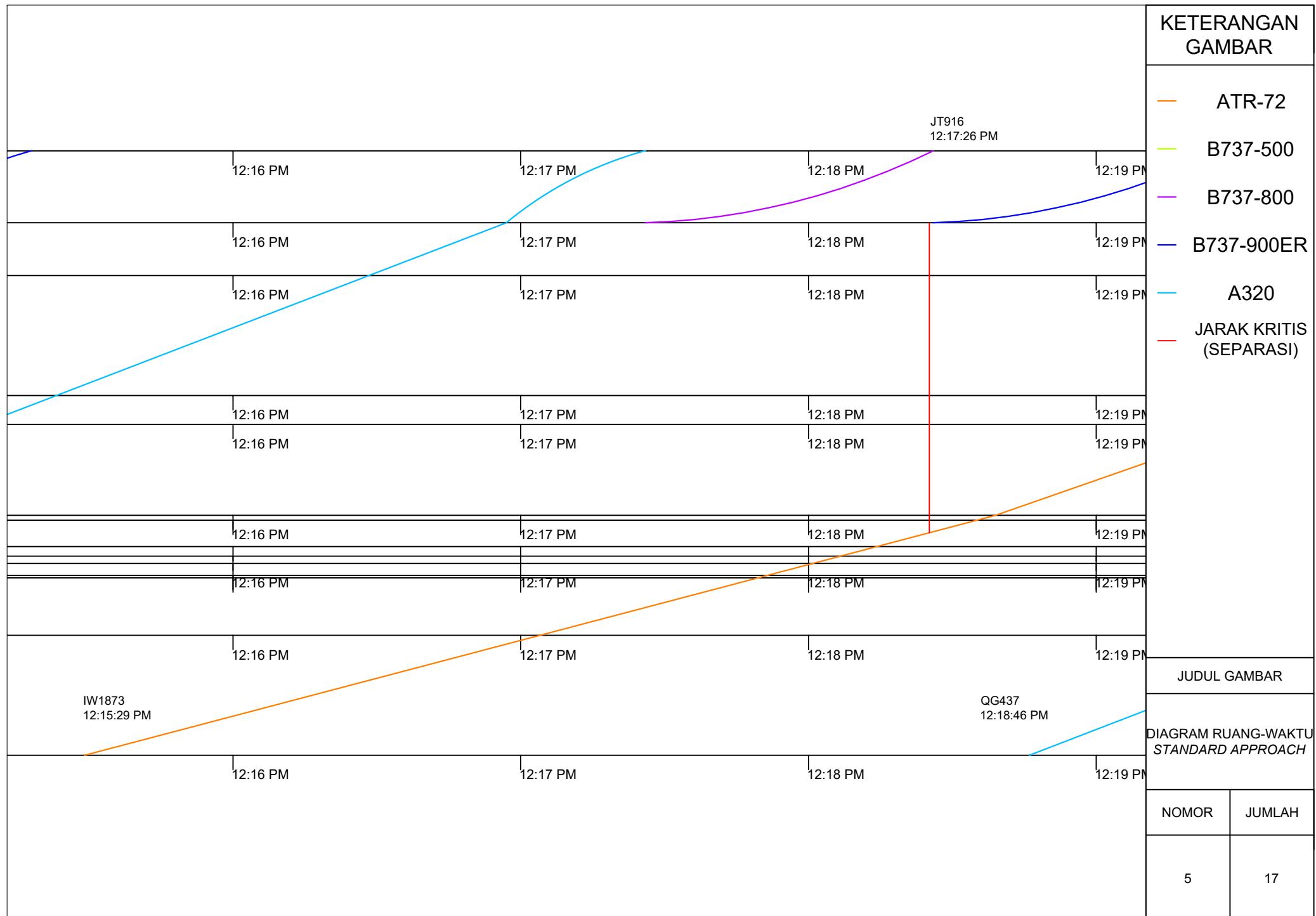
- ATR-72
- B737-500
- B737-800
- B737-900ER
- A320
- JARAK KRITIS (SEPARASI)

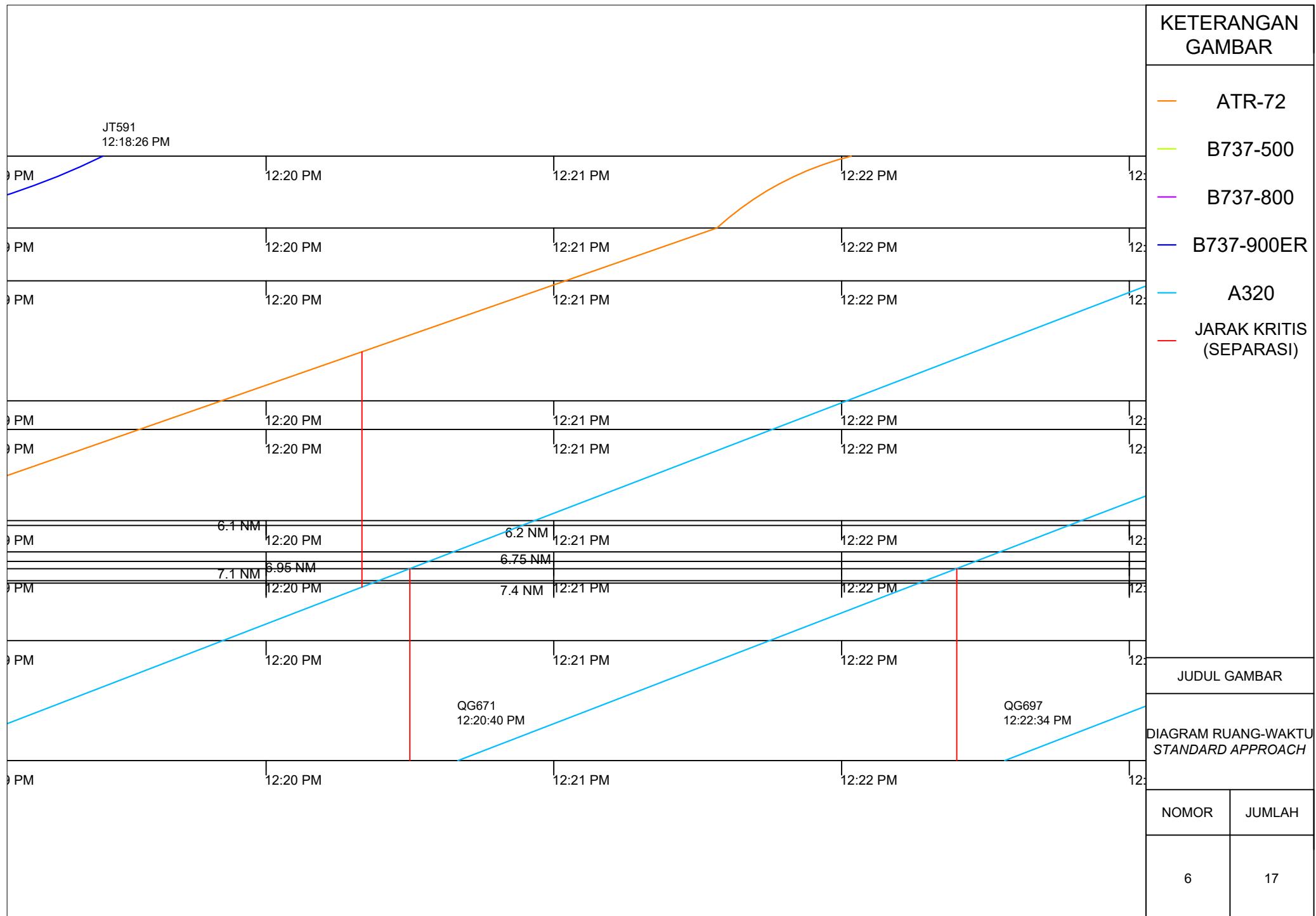


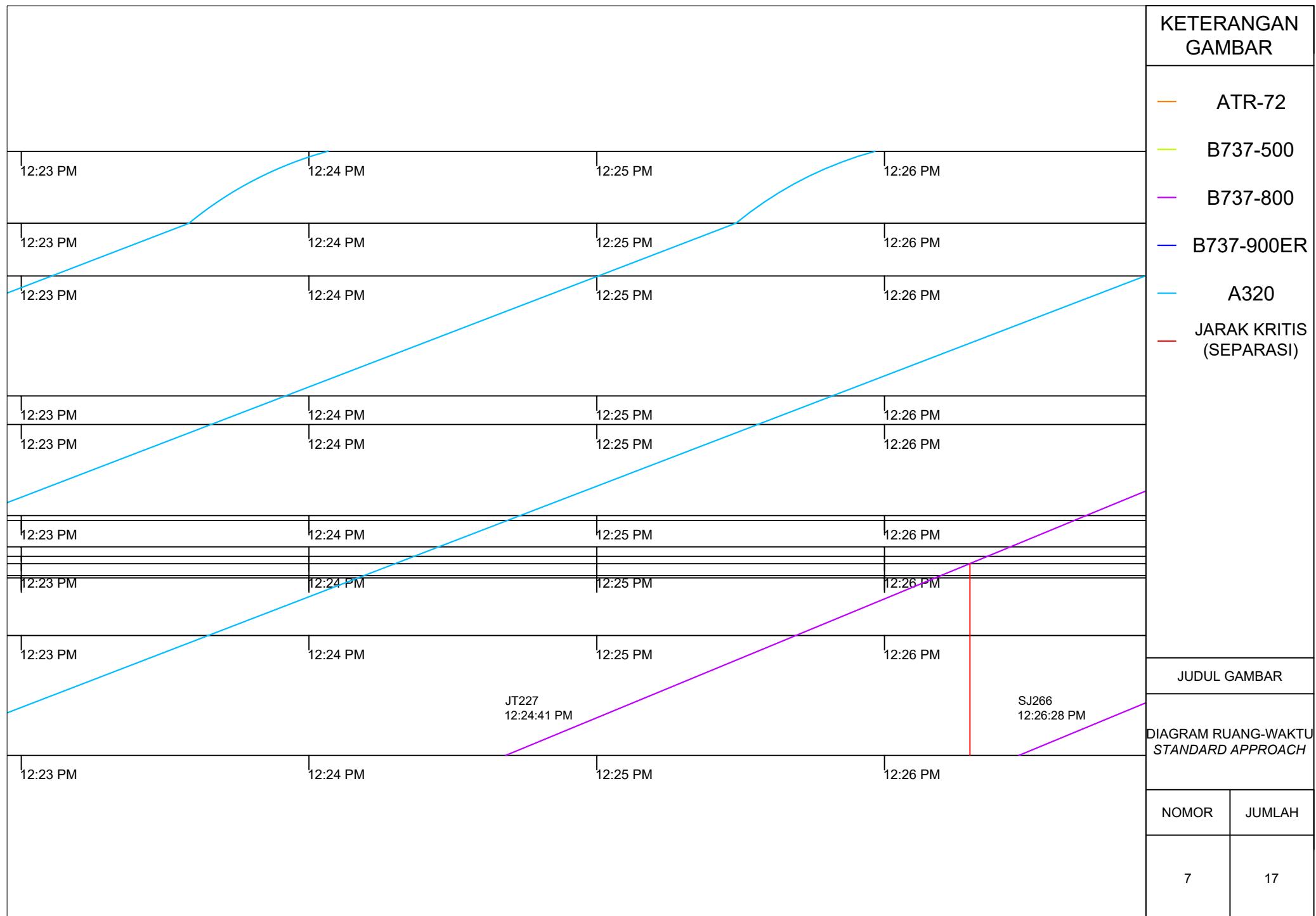
JUDUL GAMBAR

DIAGRAM RUANG-WAKTU
STANDARD APPROACH

NOMOR	JUMLAH
4	17

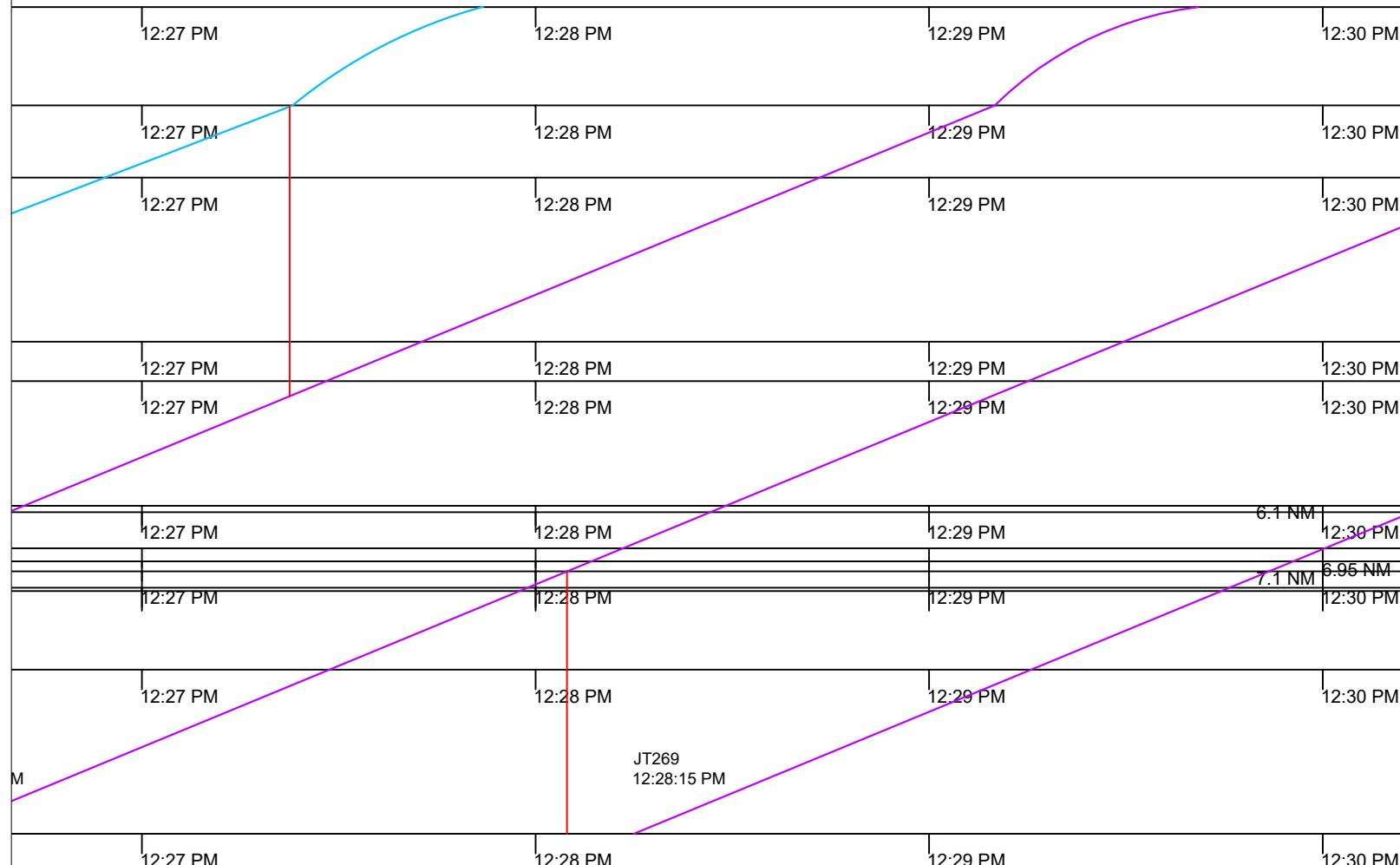






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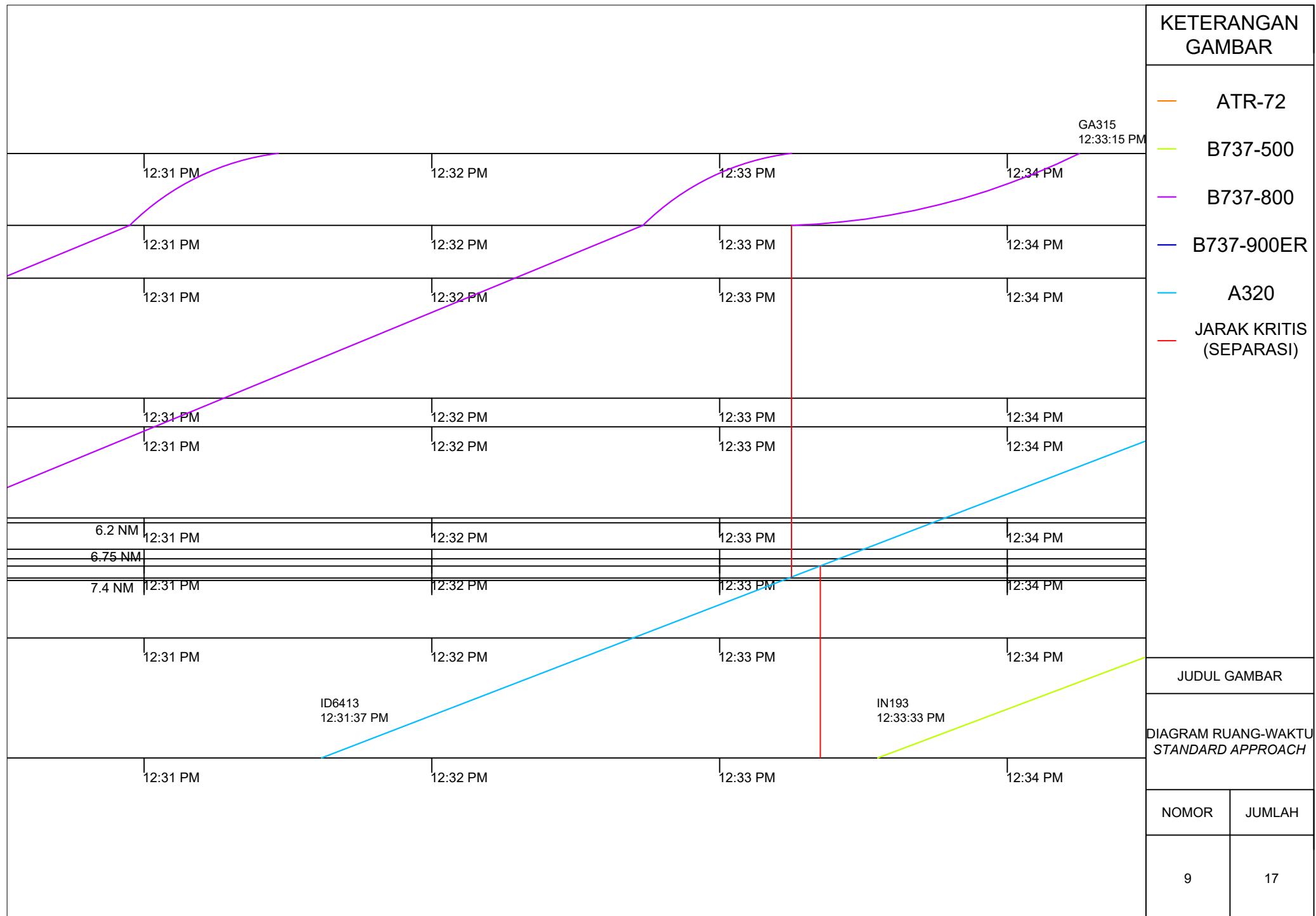
- ATR-72
- B737-500
- B737-800
- B737-900ER
- A320
- JARAK KRITIS (SEPARASI)

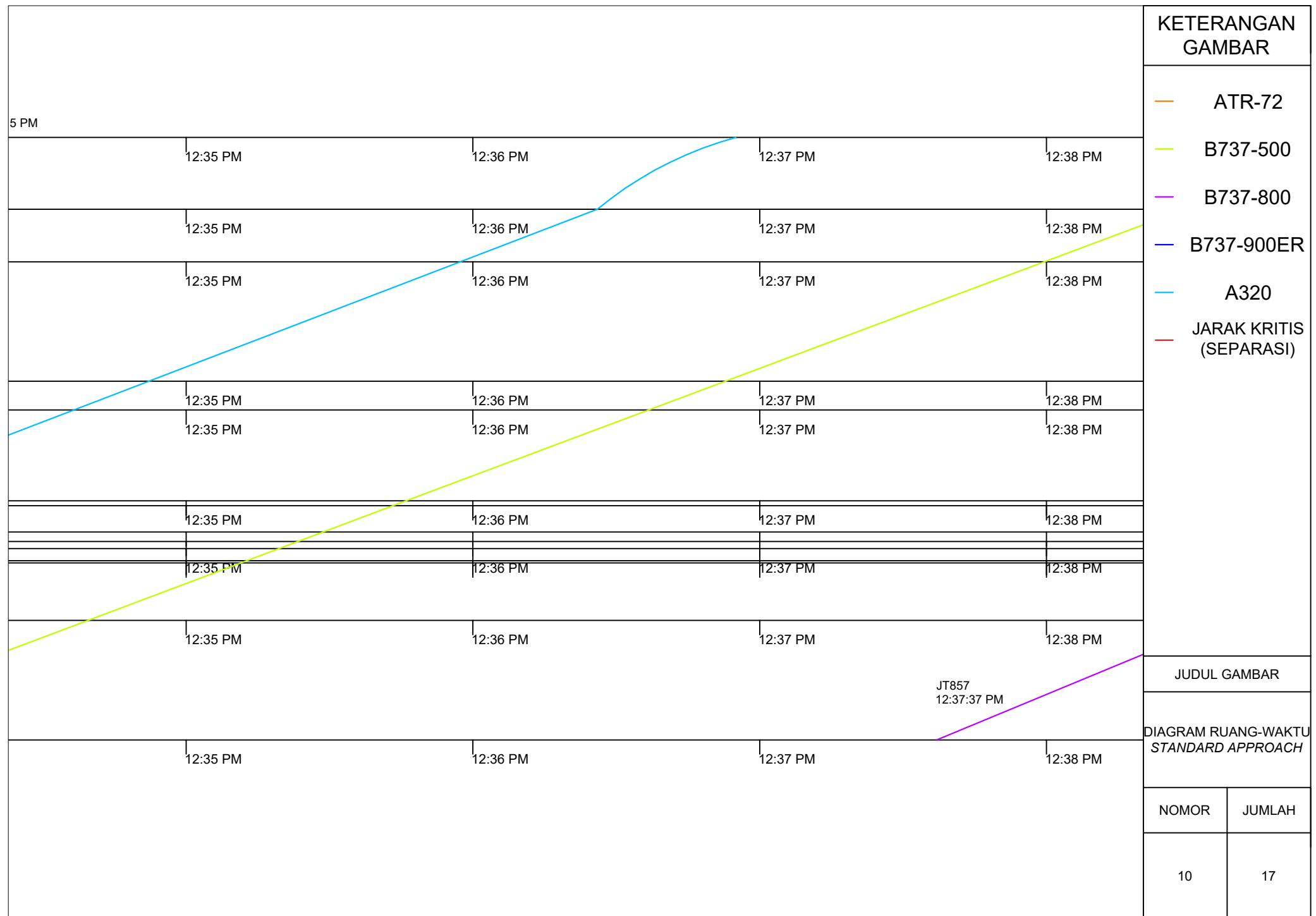


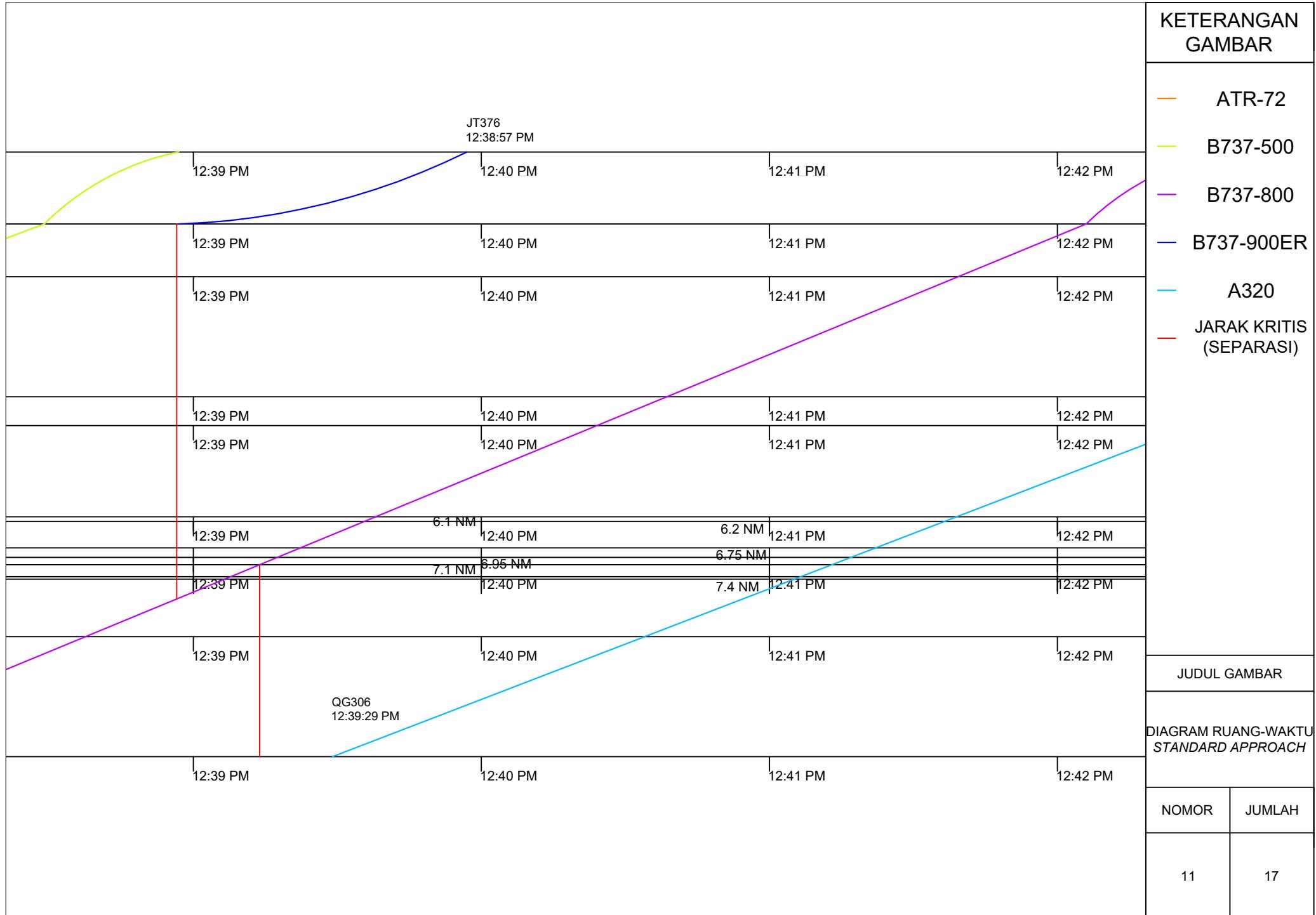
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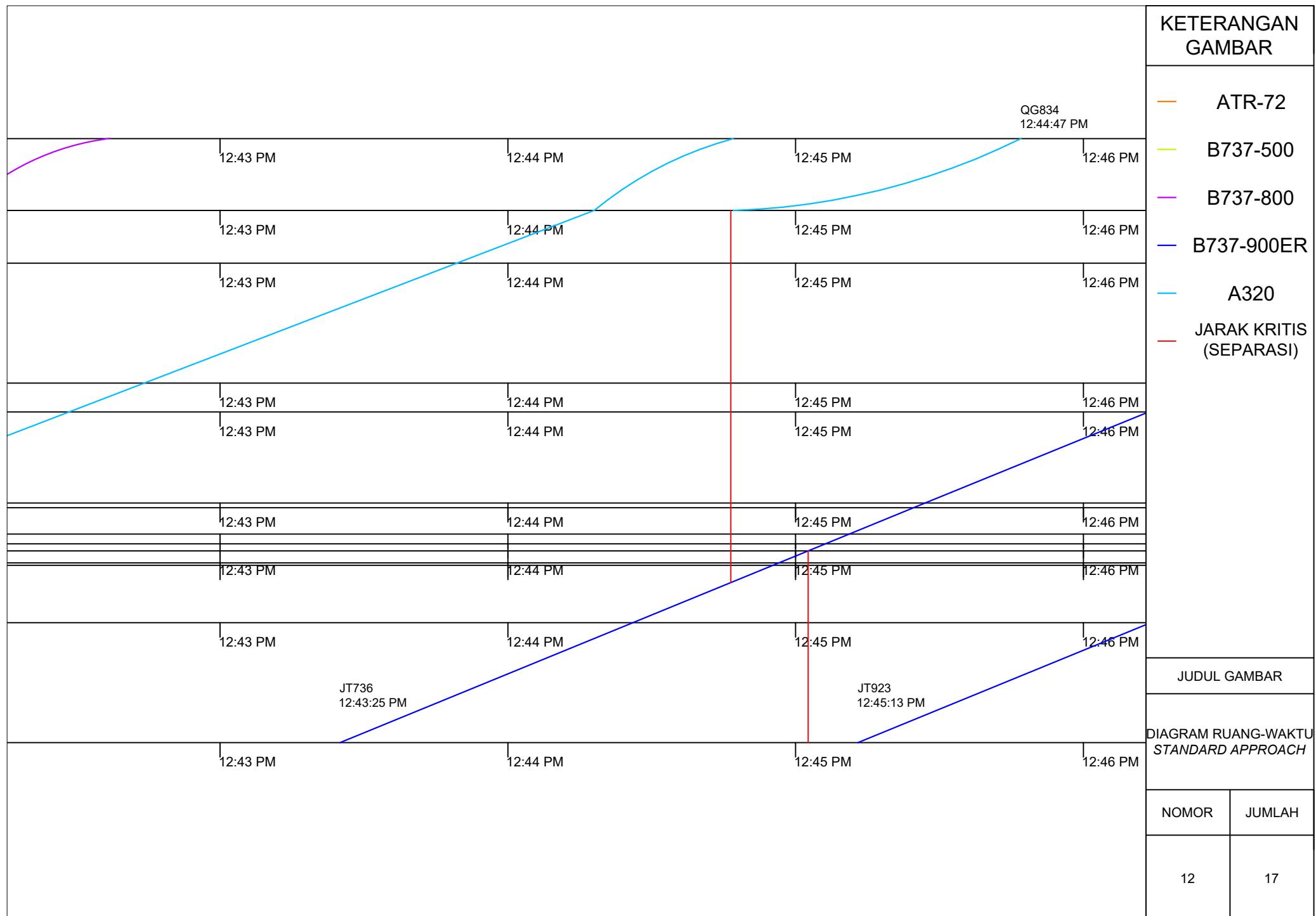
DIAGRAM RUANG-WAKTU
STANDARD APPROACH

NOMOR	JUMLAH
8	17



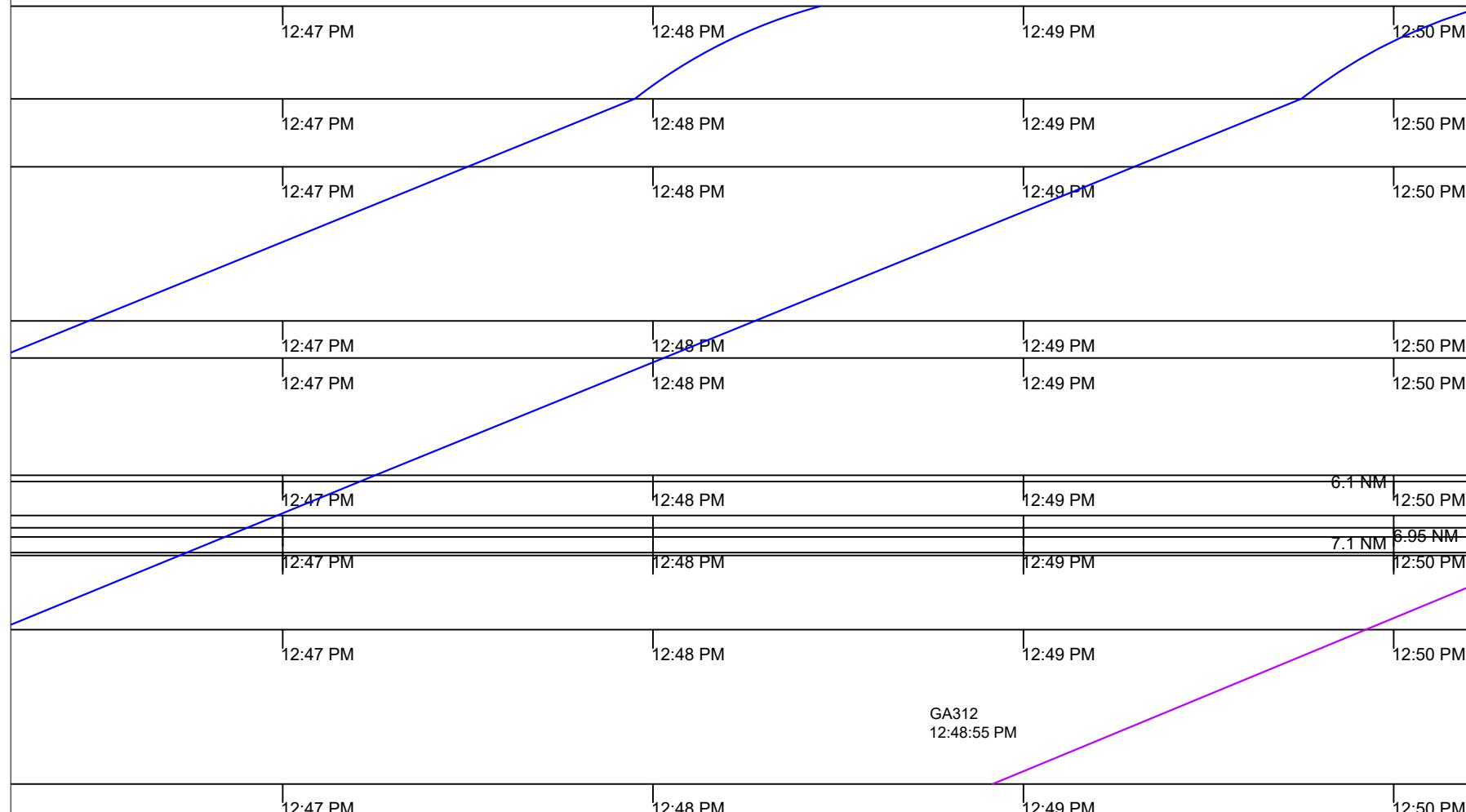






KETERANGAN GAMBAR

- ATR-72
- B737-500
- B737-800
- B737-900ER
- A320
- JARAK KRITIS (SEPARASI)

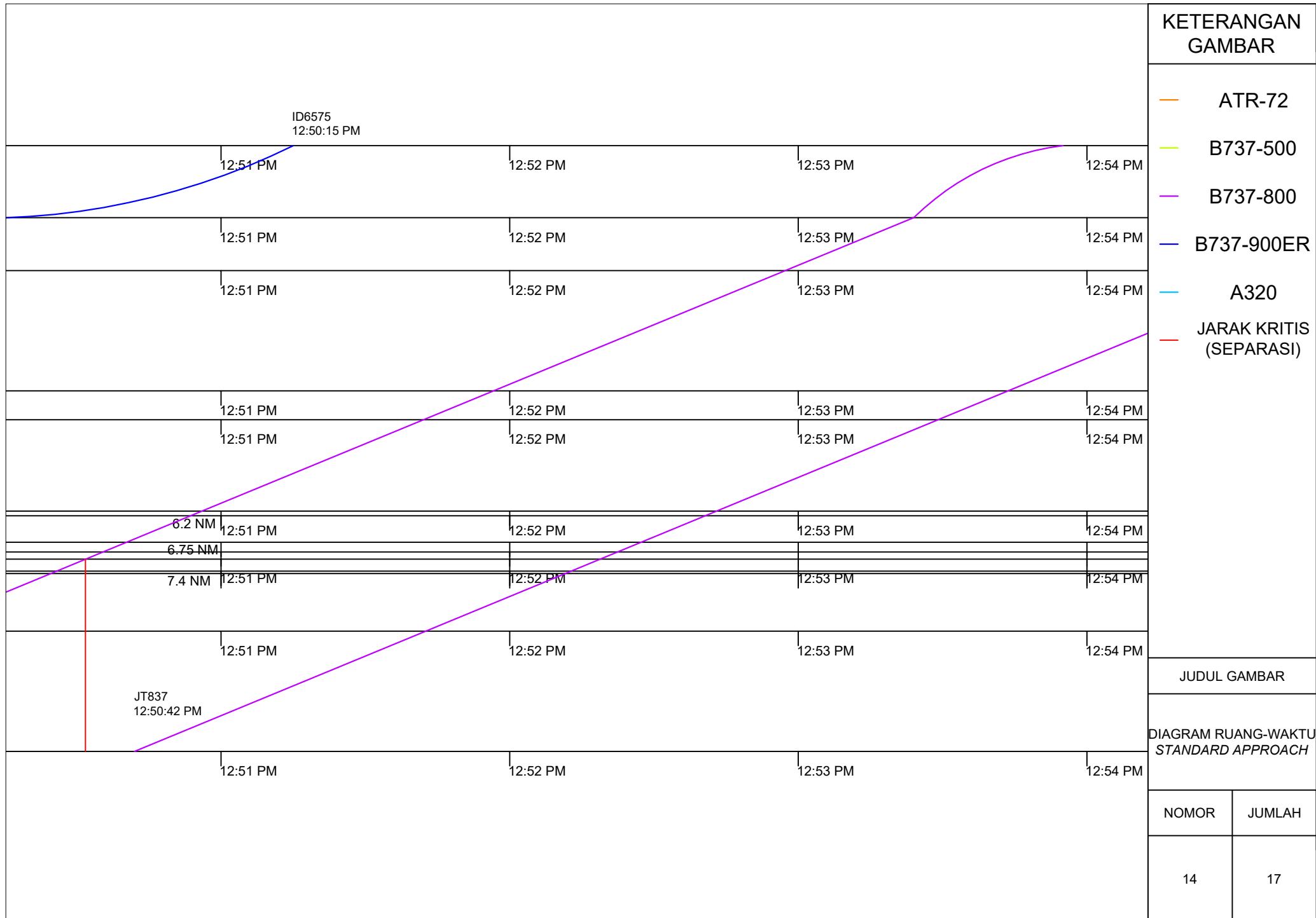


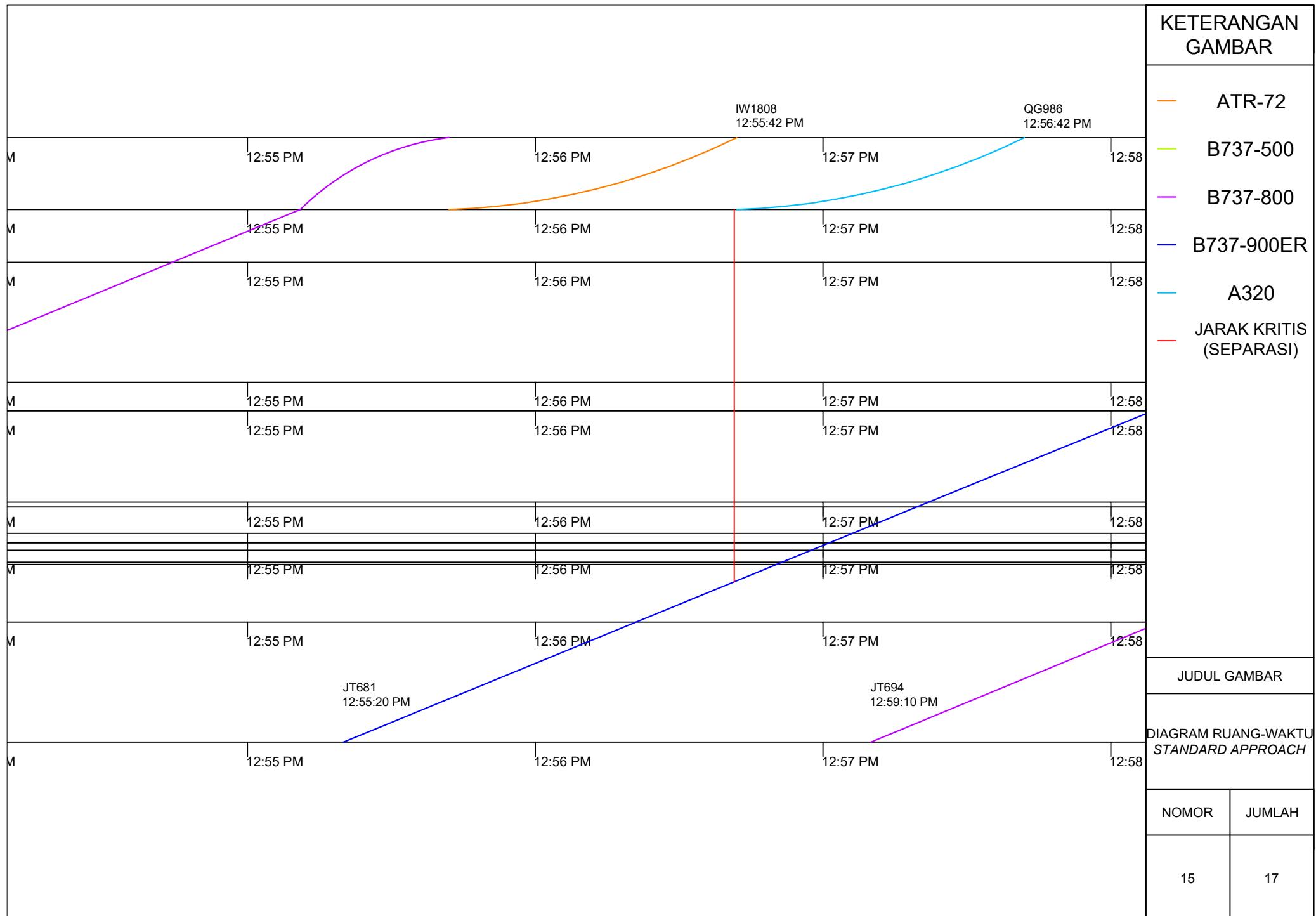
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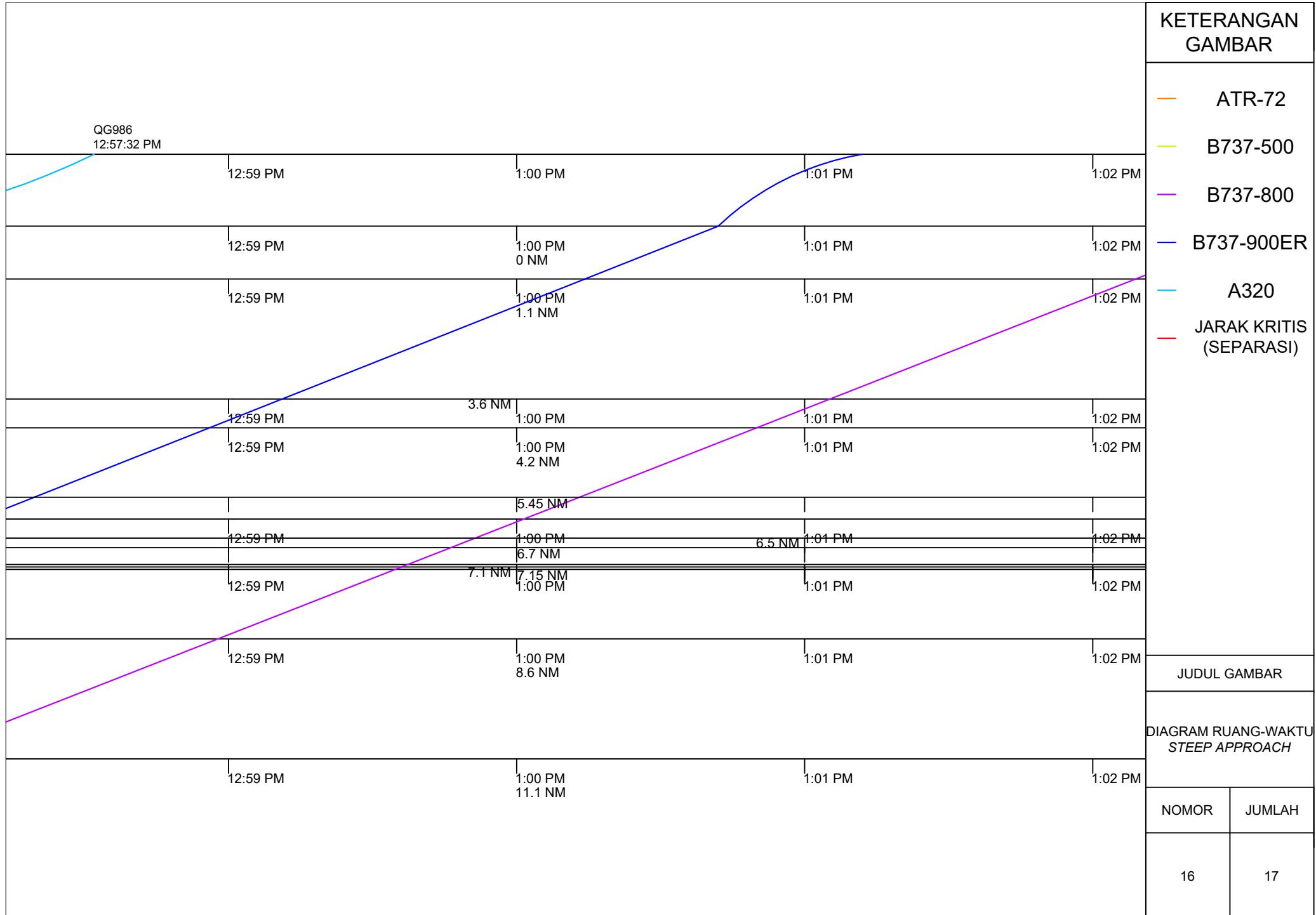
**DIAGRAM RUANG-WAKTU
STANDARD APPROACH**

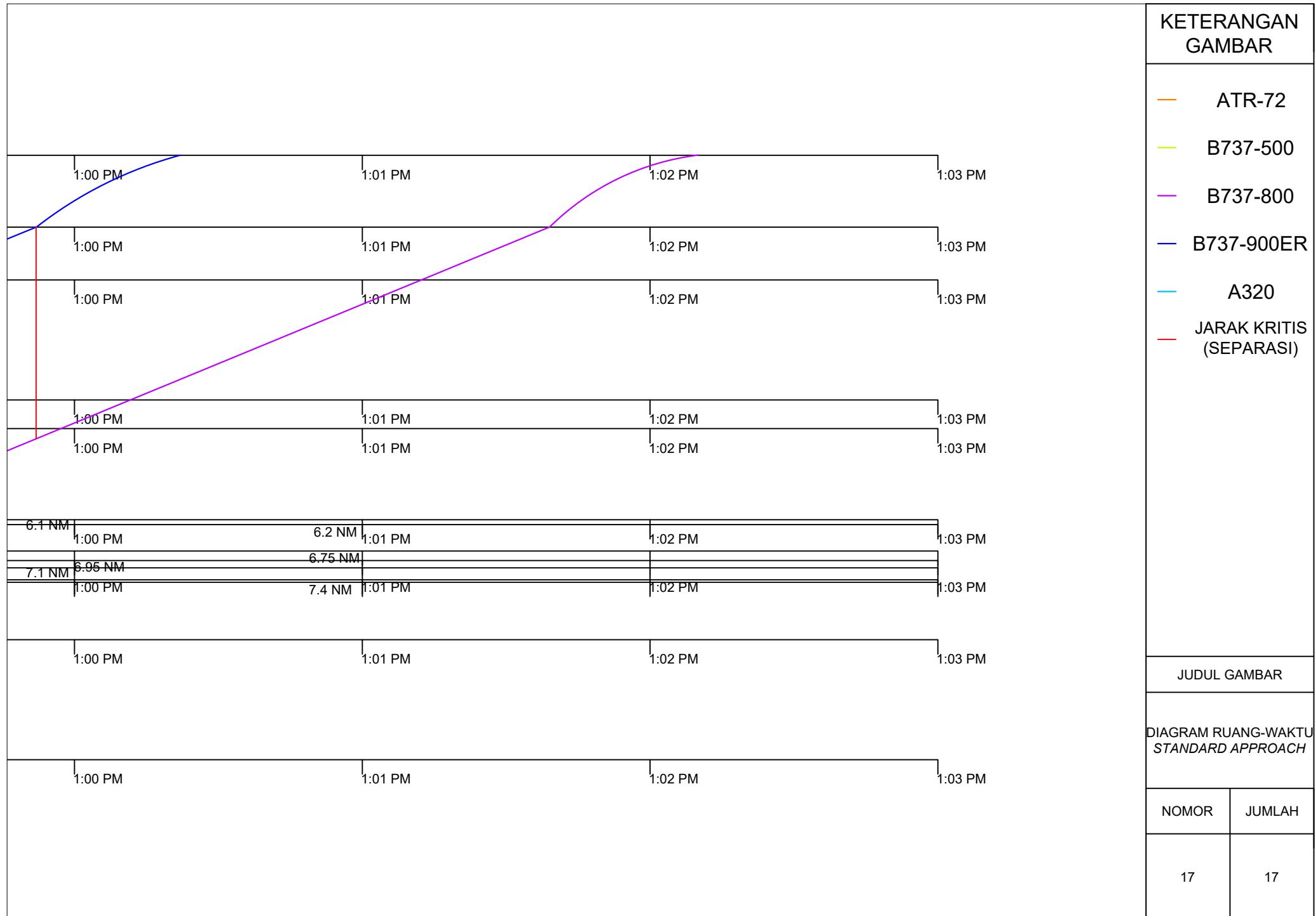
NOMOR **JUMLAH**

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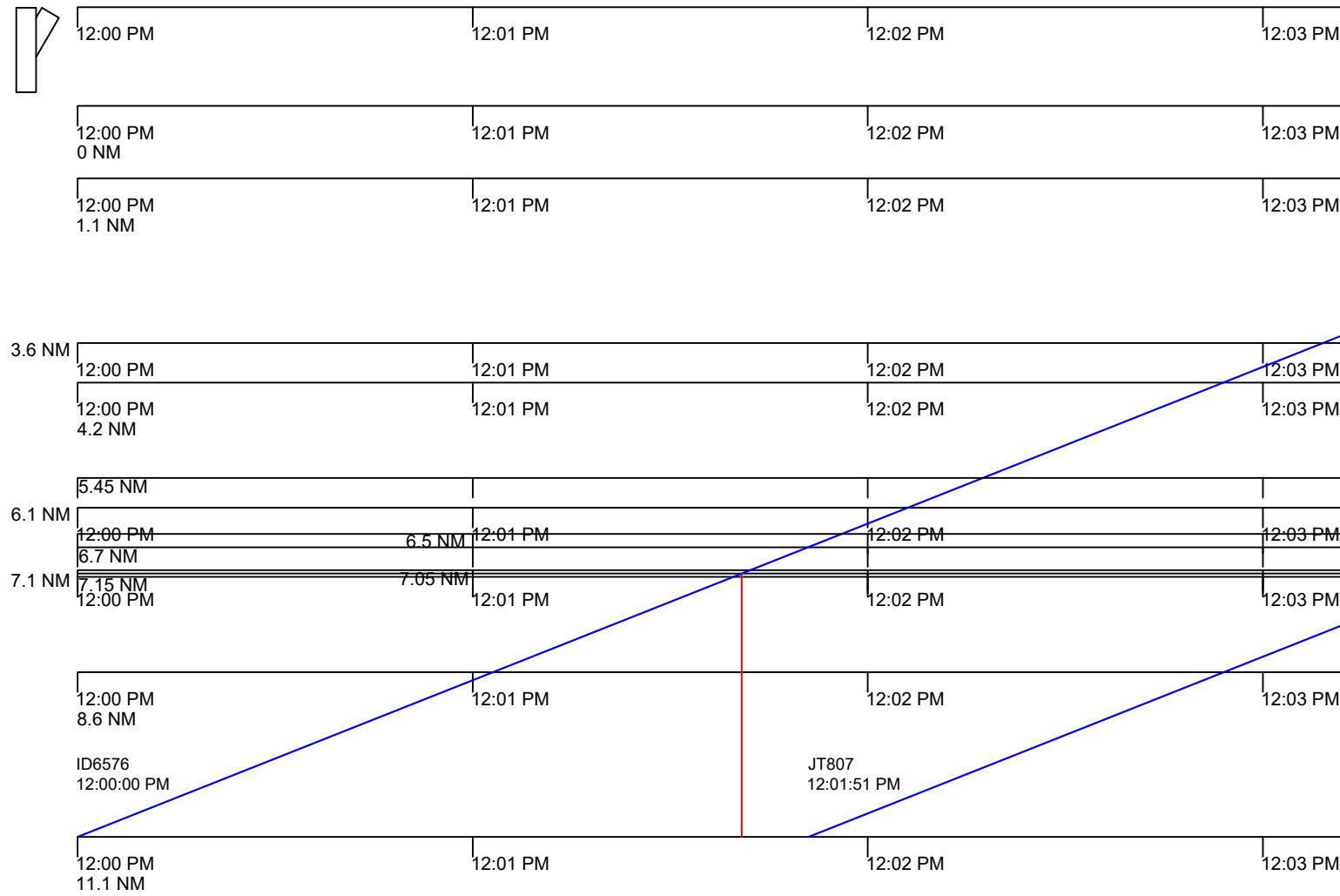






KETERANGAN GAMBAR

- ATR-72
- B737-500
- B737-800
- B737-900ER
- A320
- JARAK KRITIS (SEPARASI)

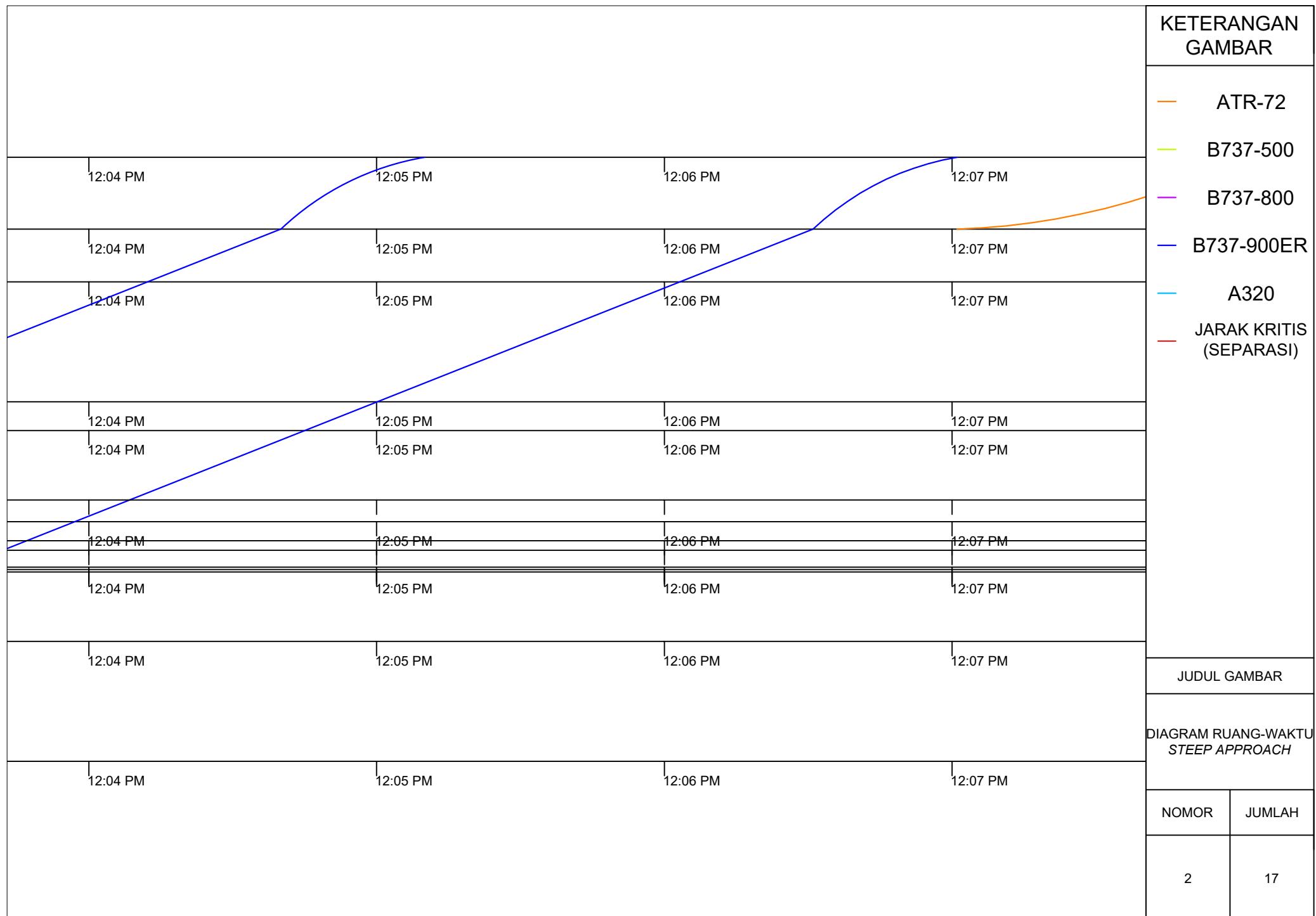


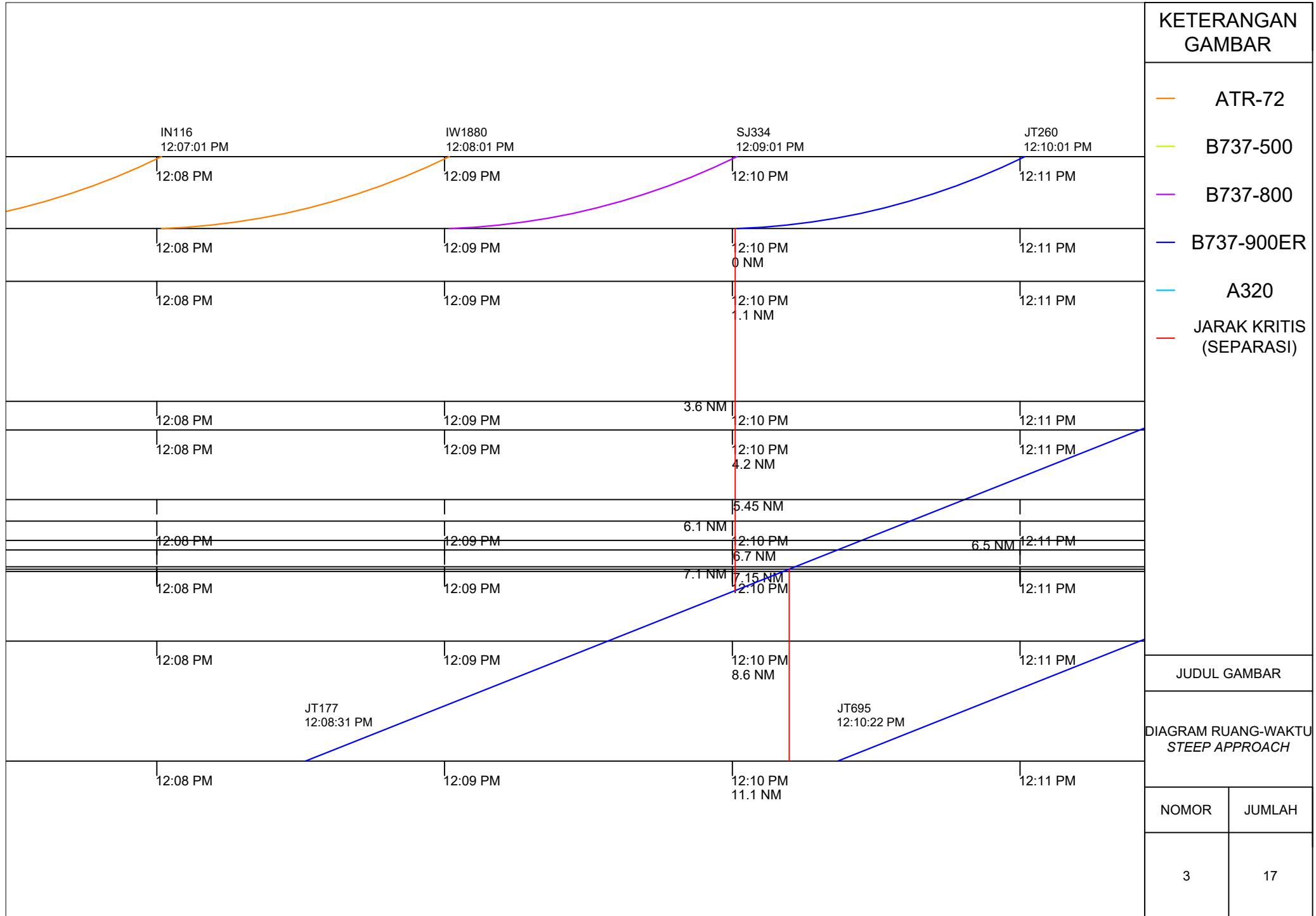
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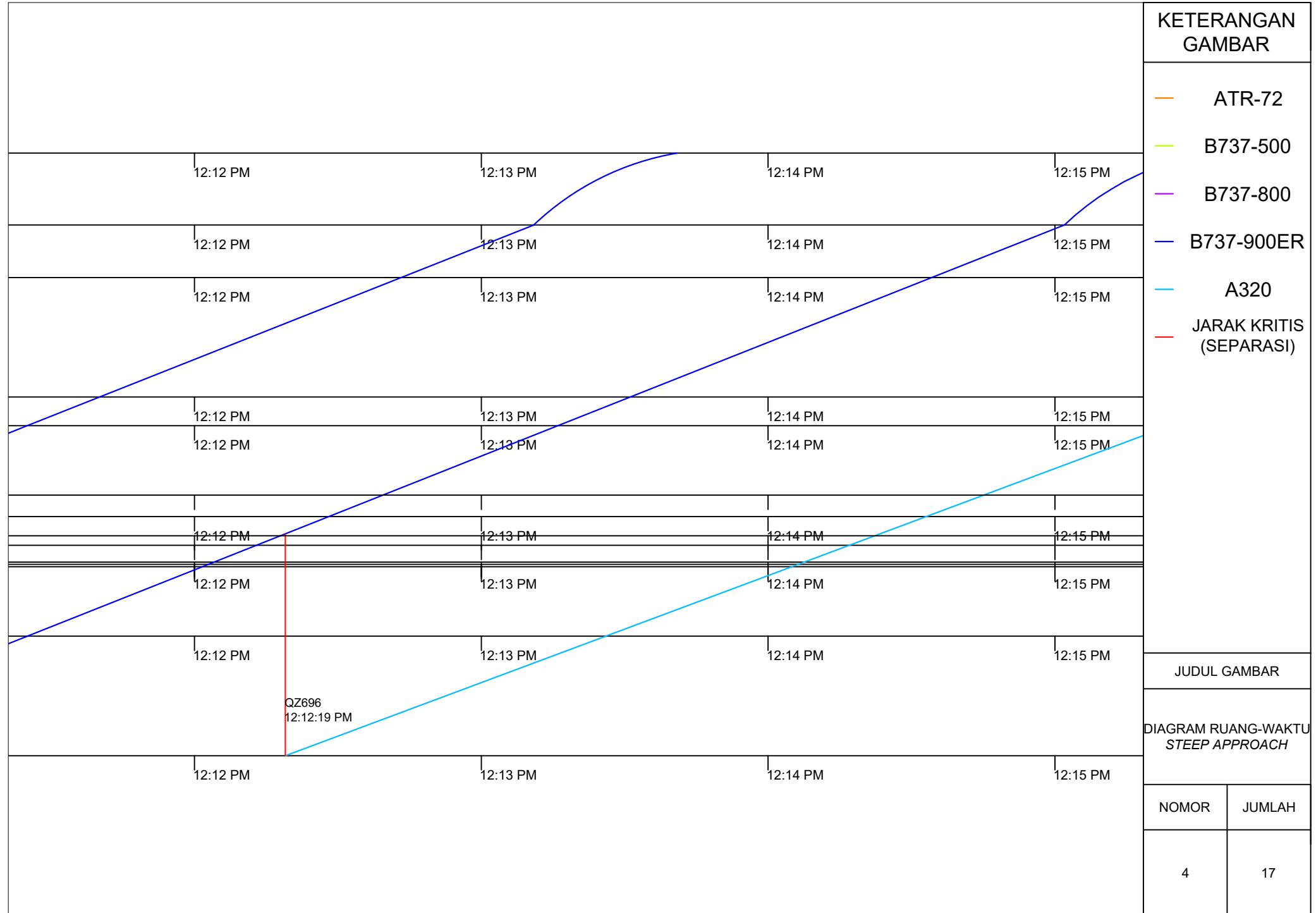
DIAGRAM RUANG-WAKTU
STEEP APPROACH

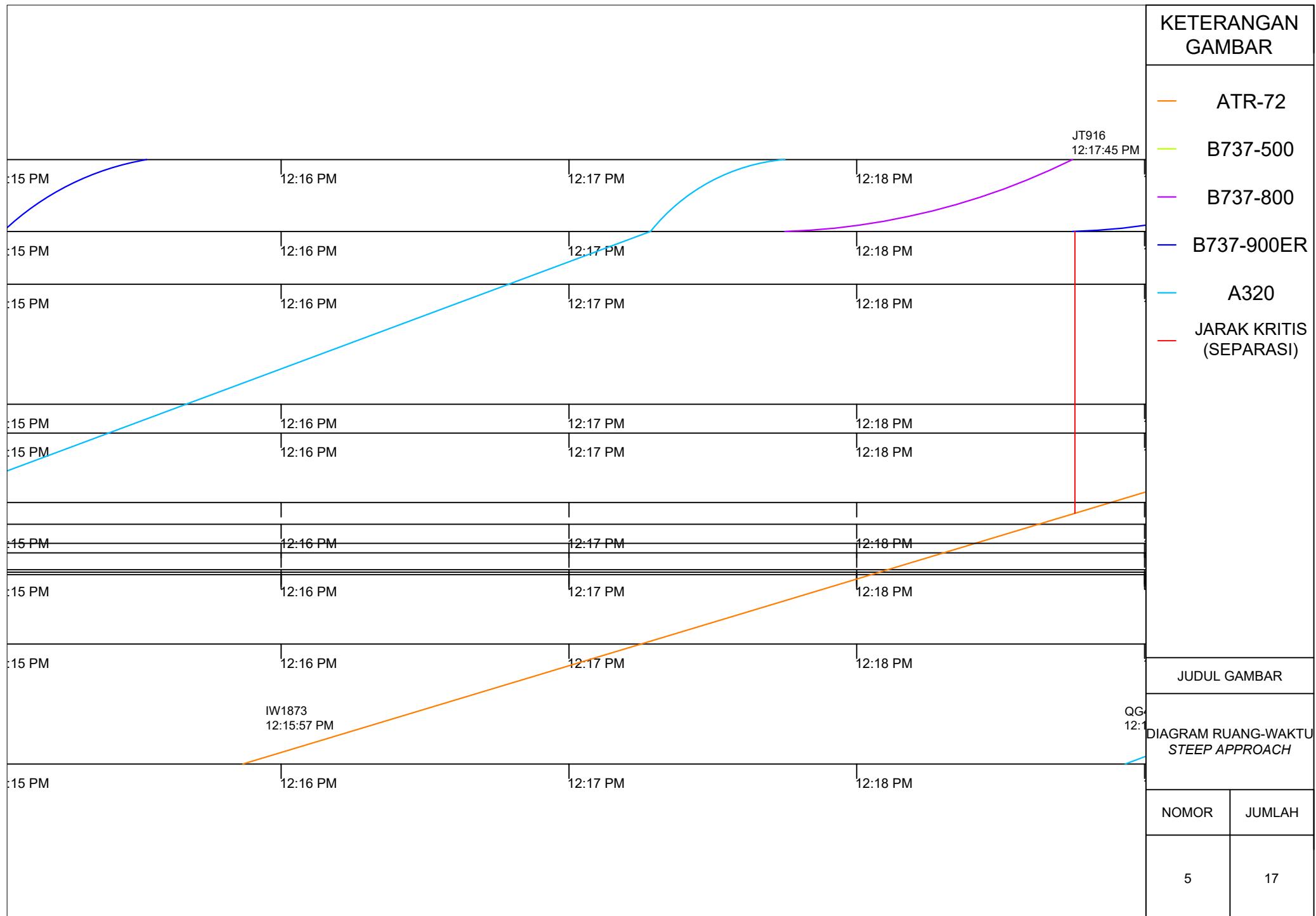
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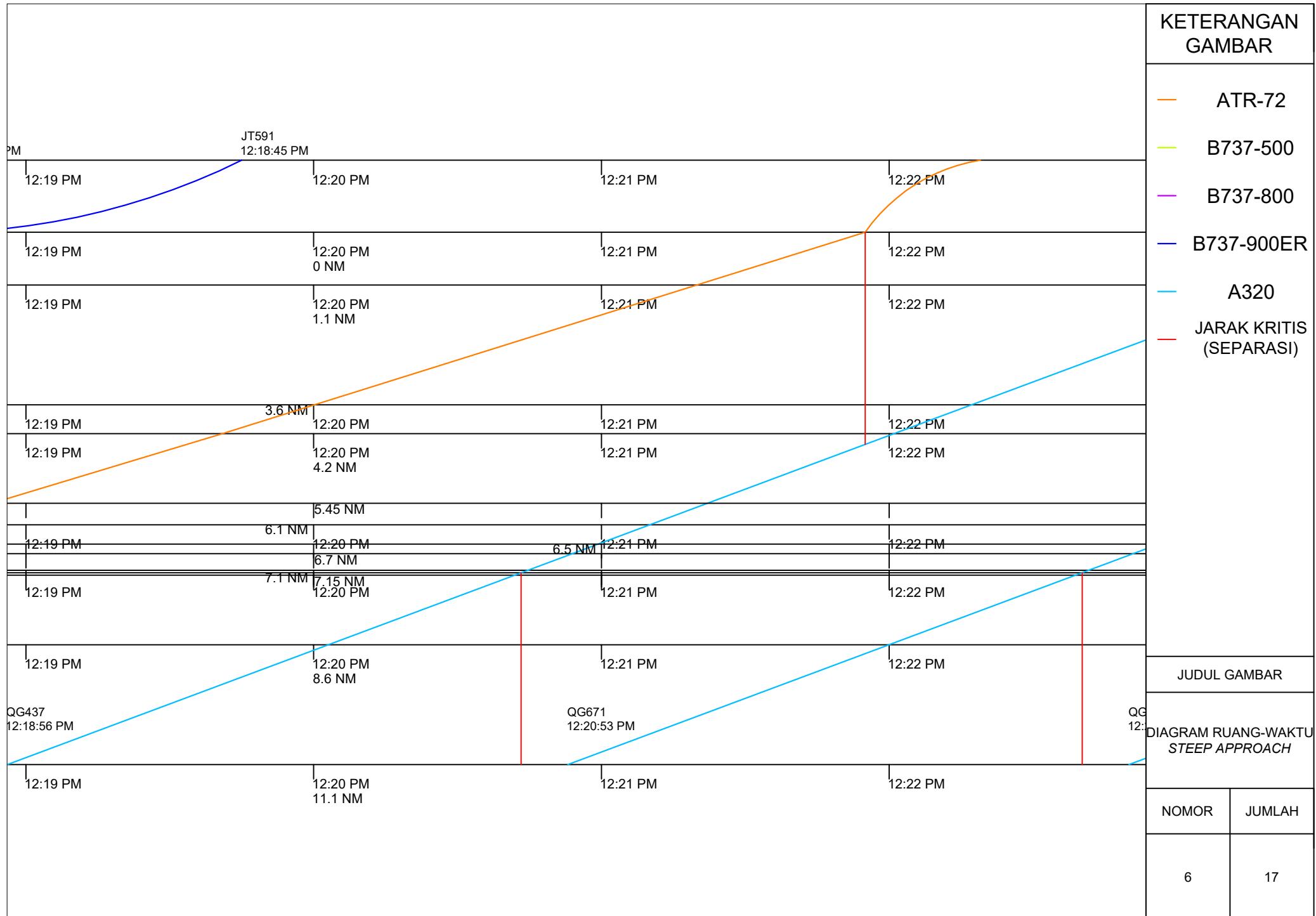
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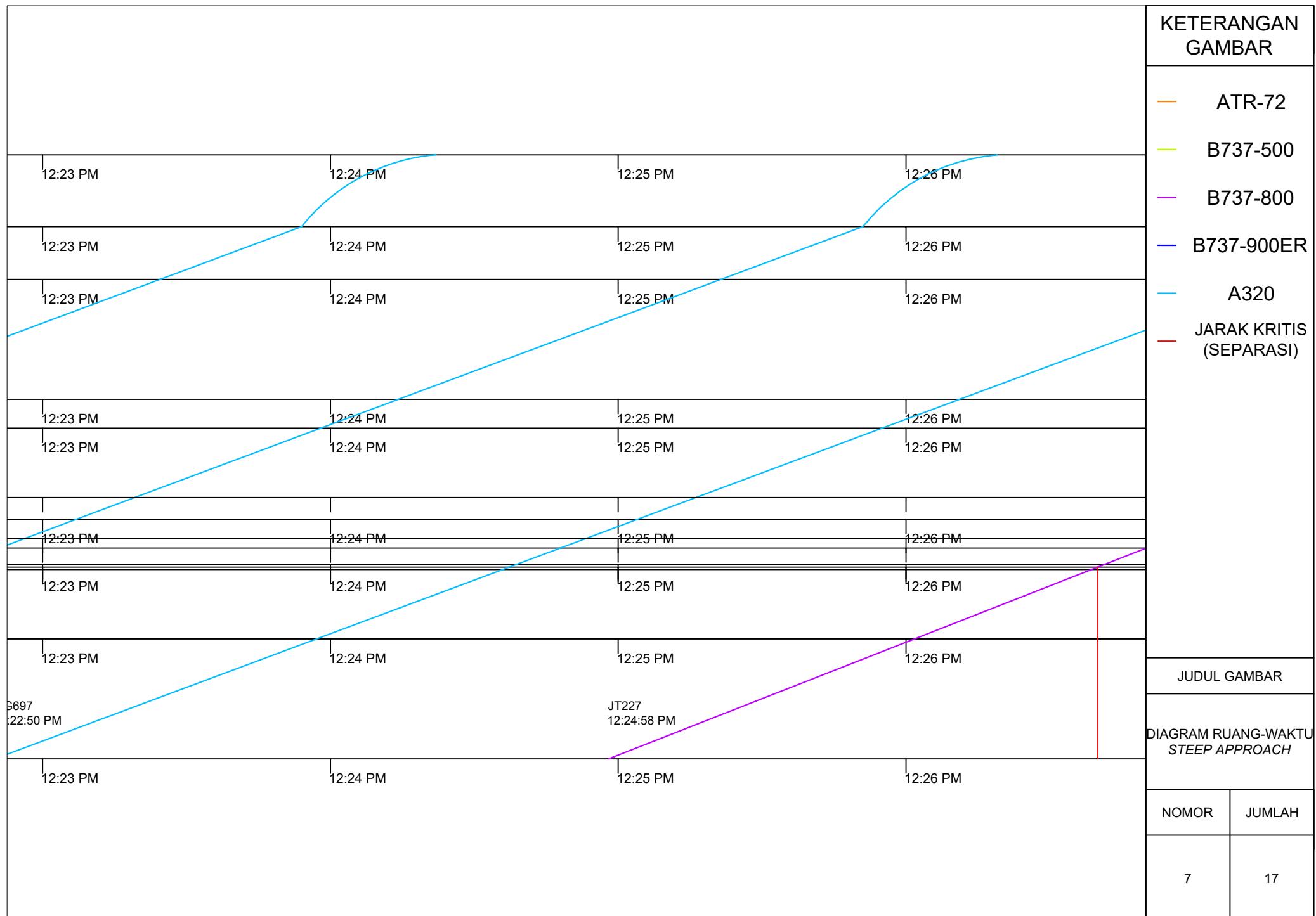


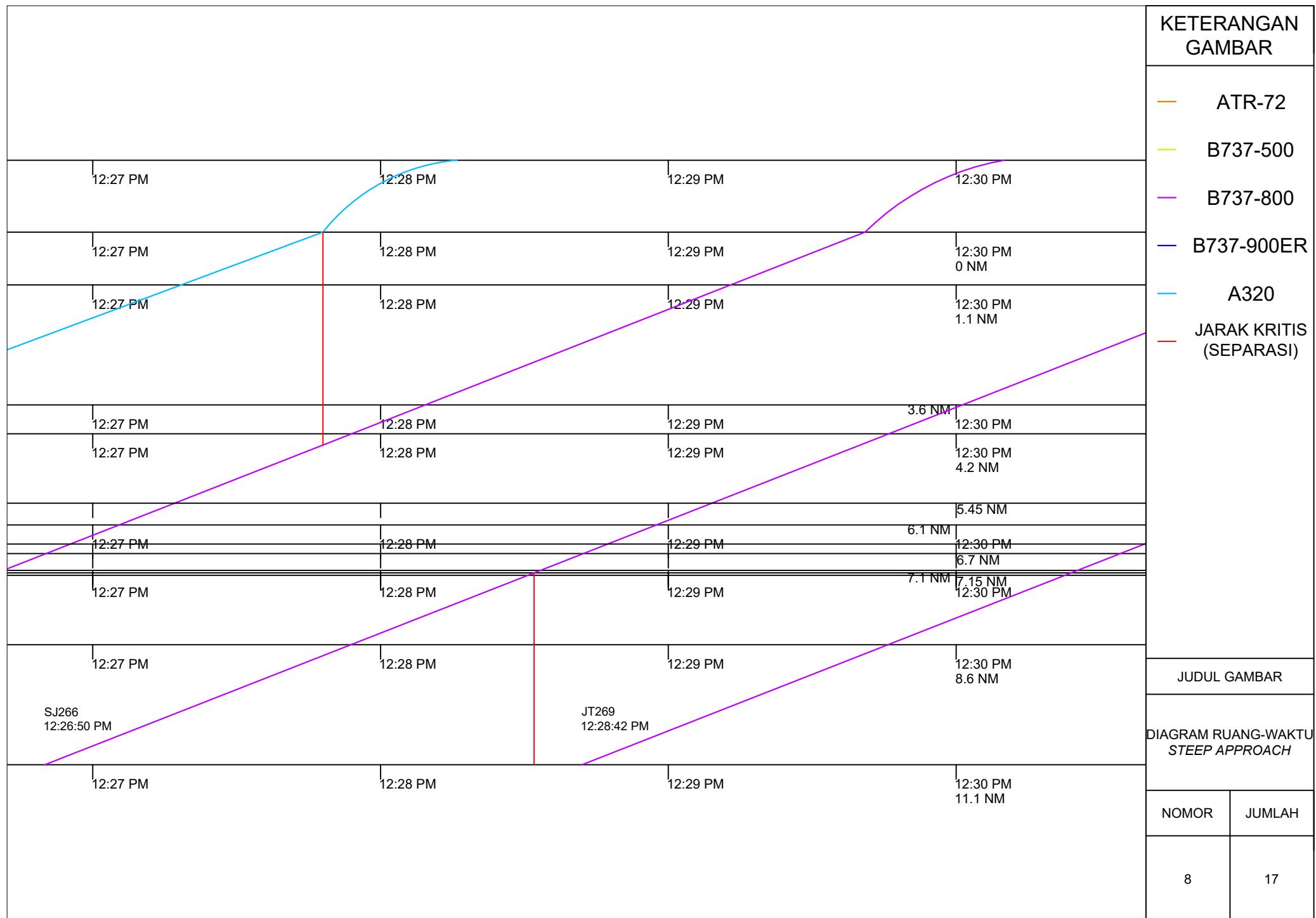


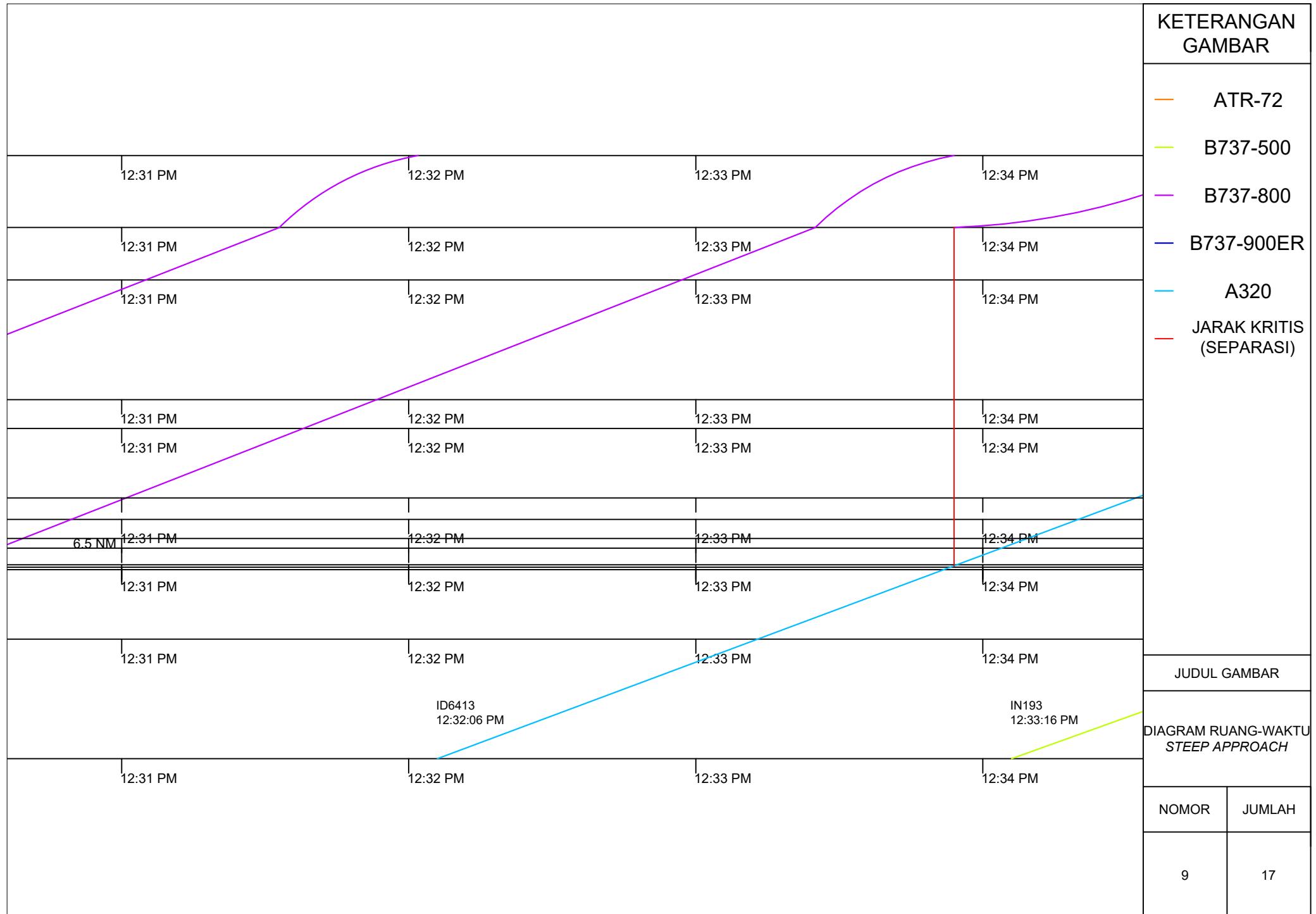


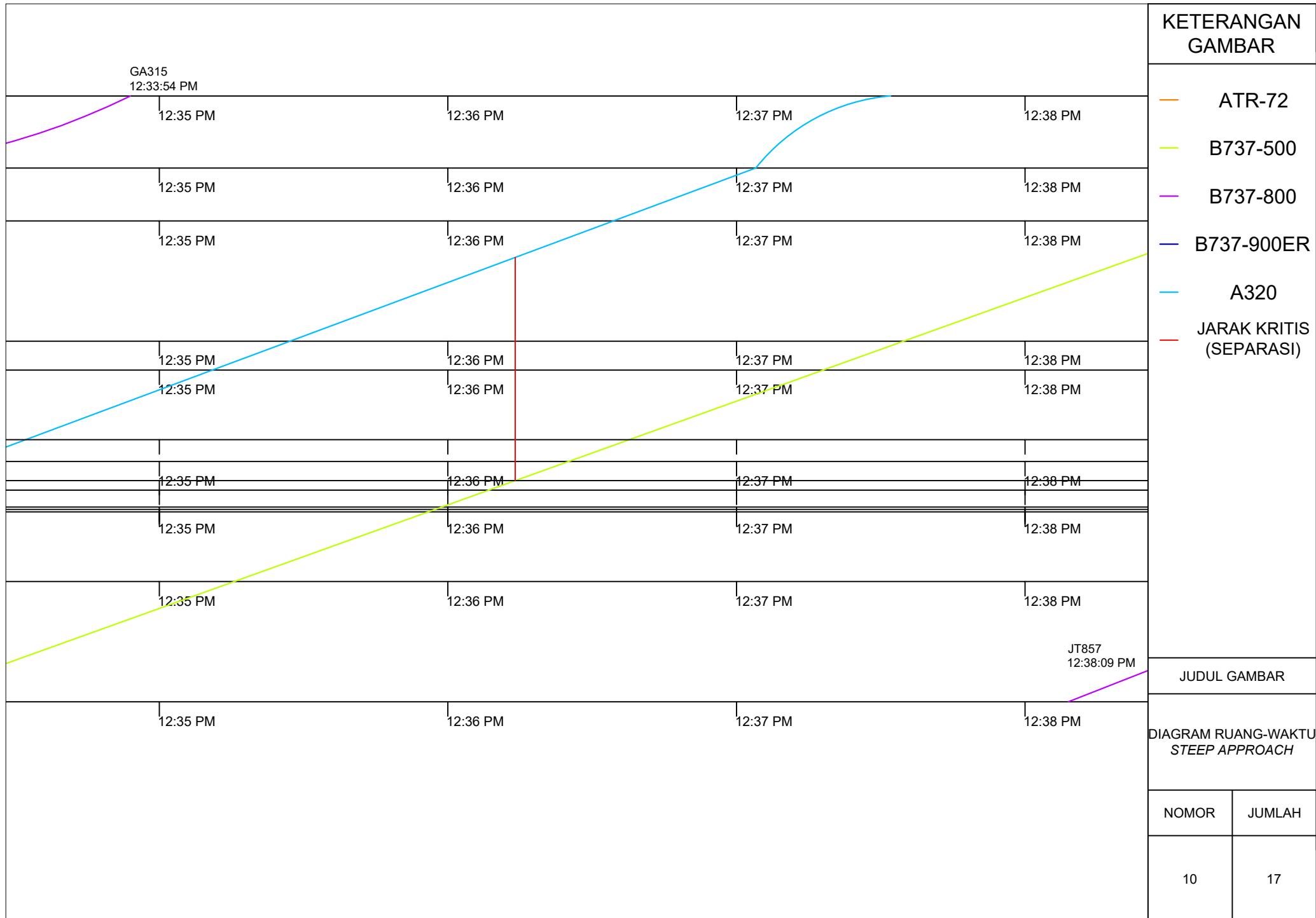


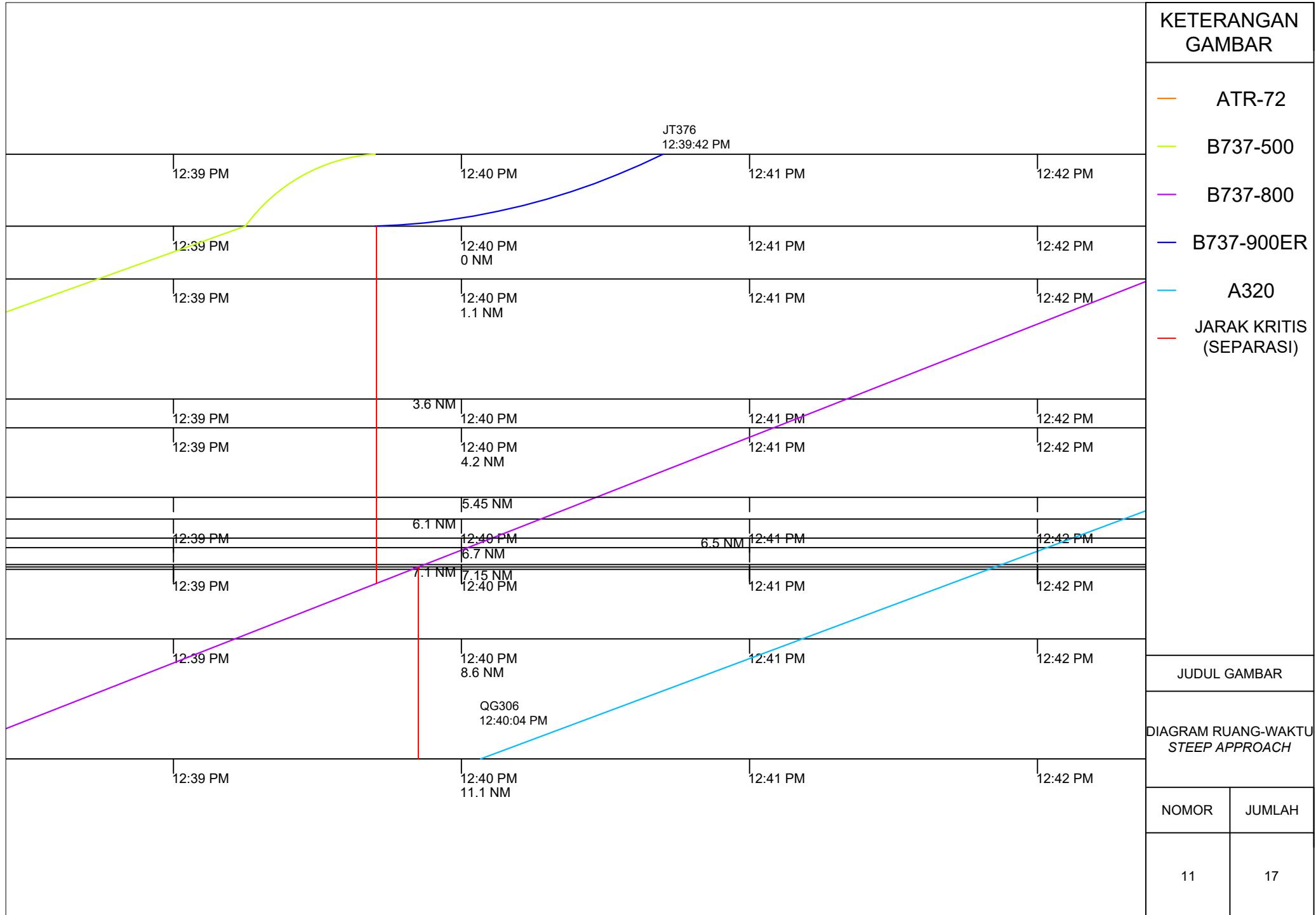


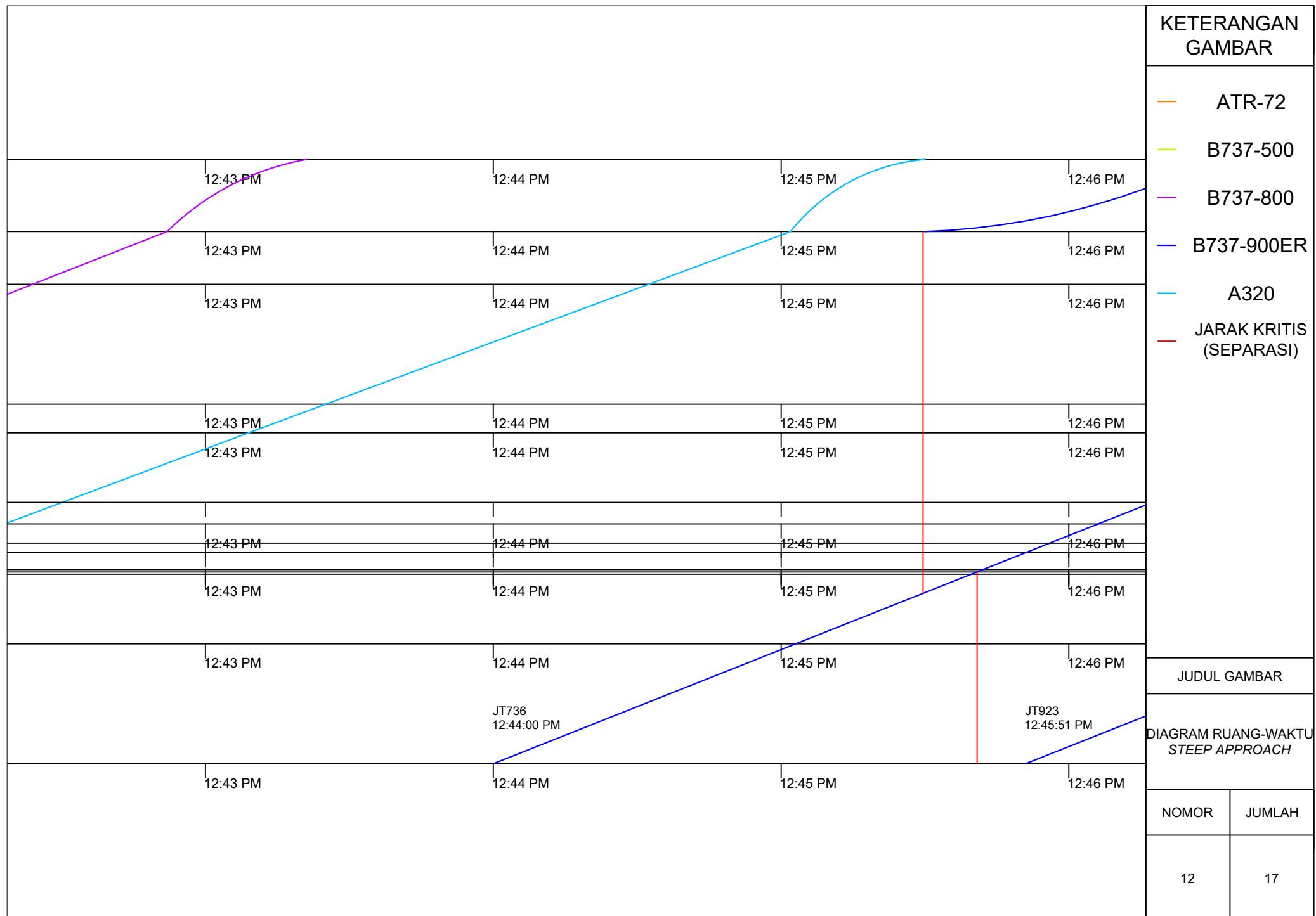


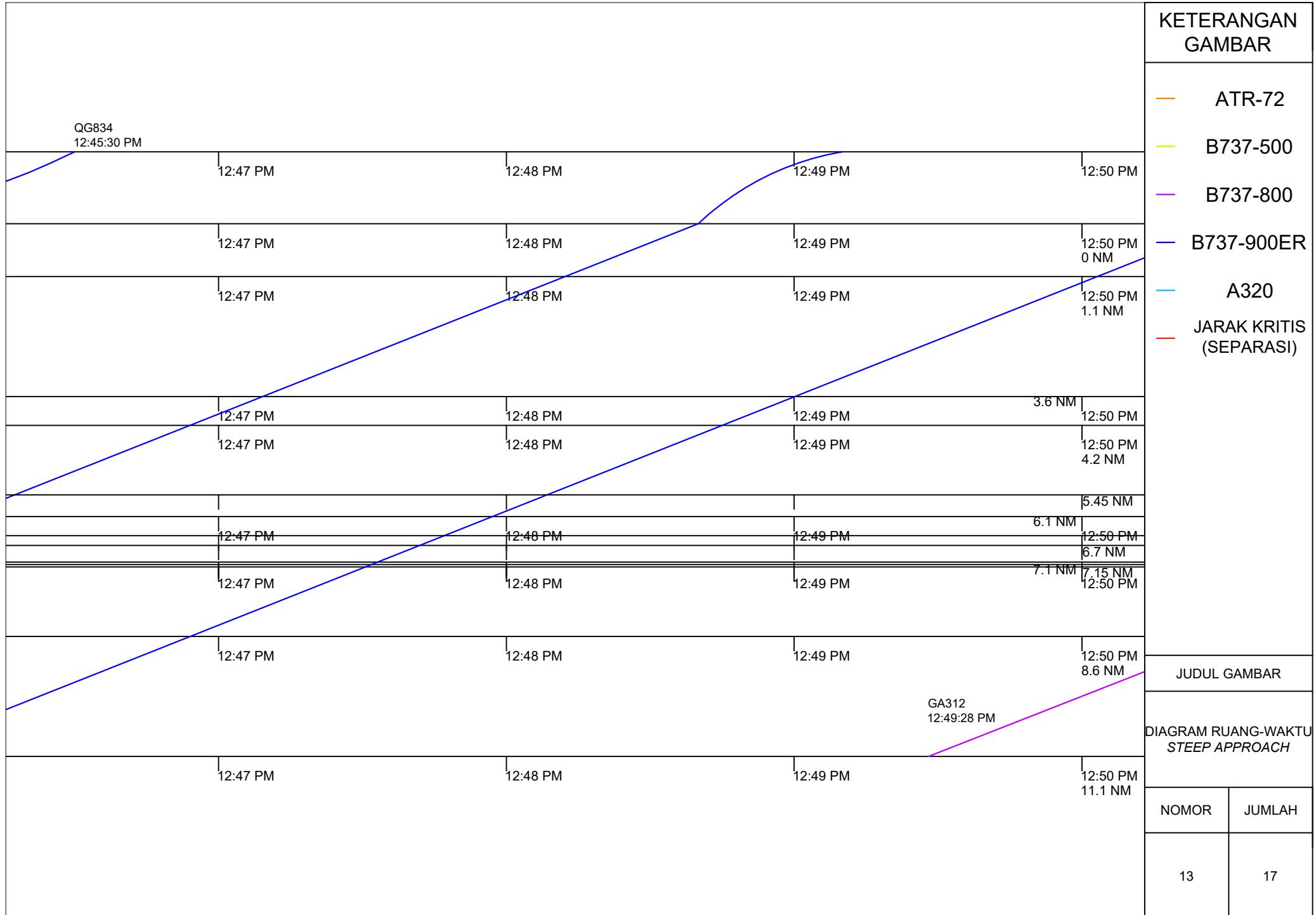


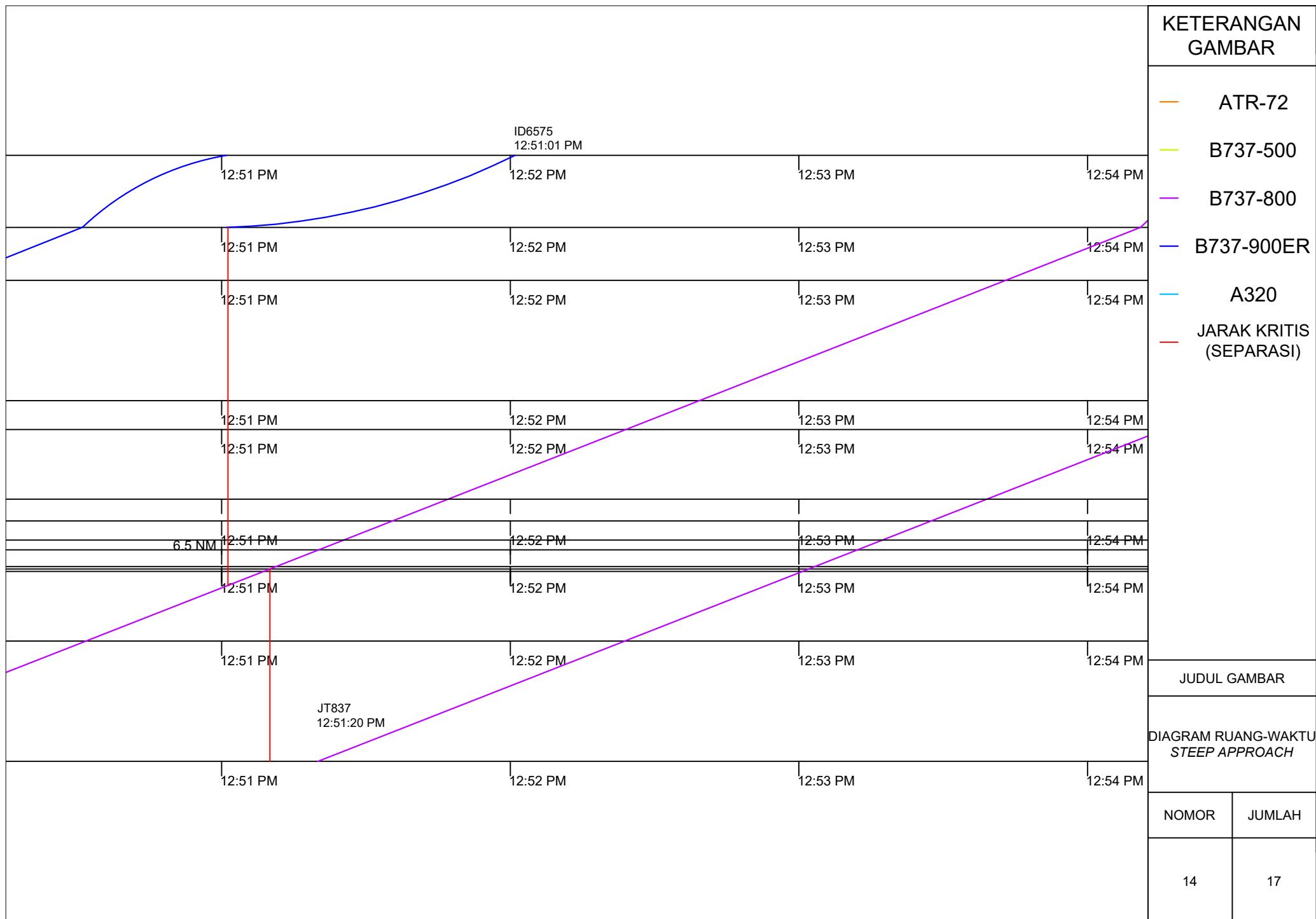


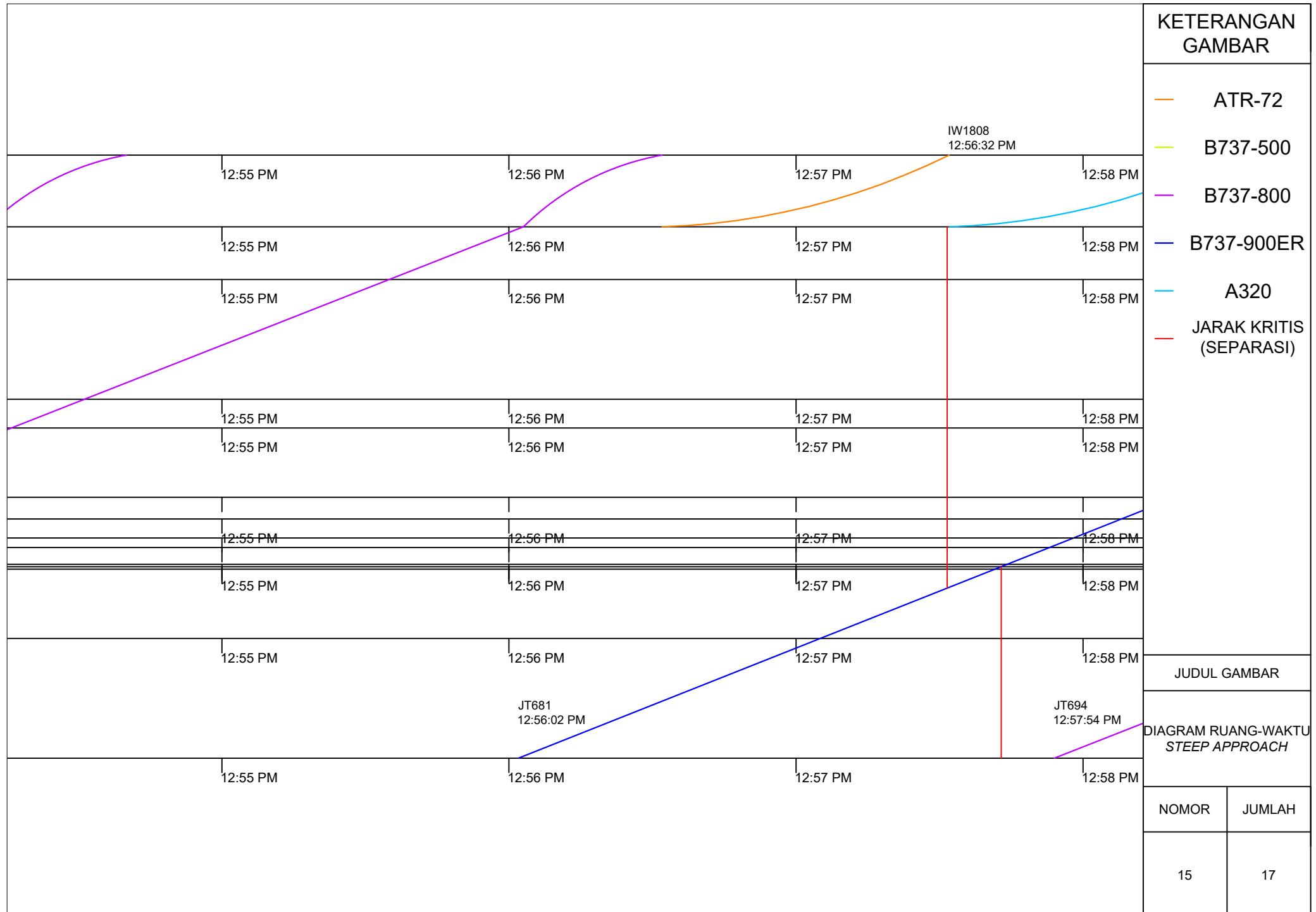




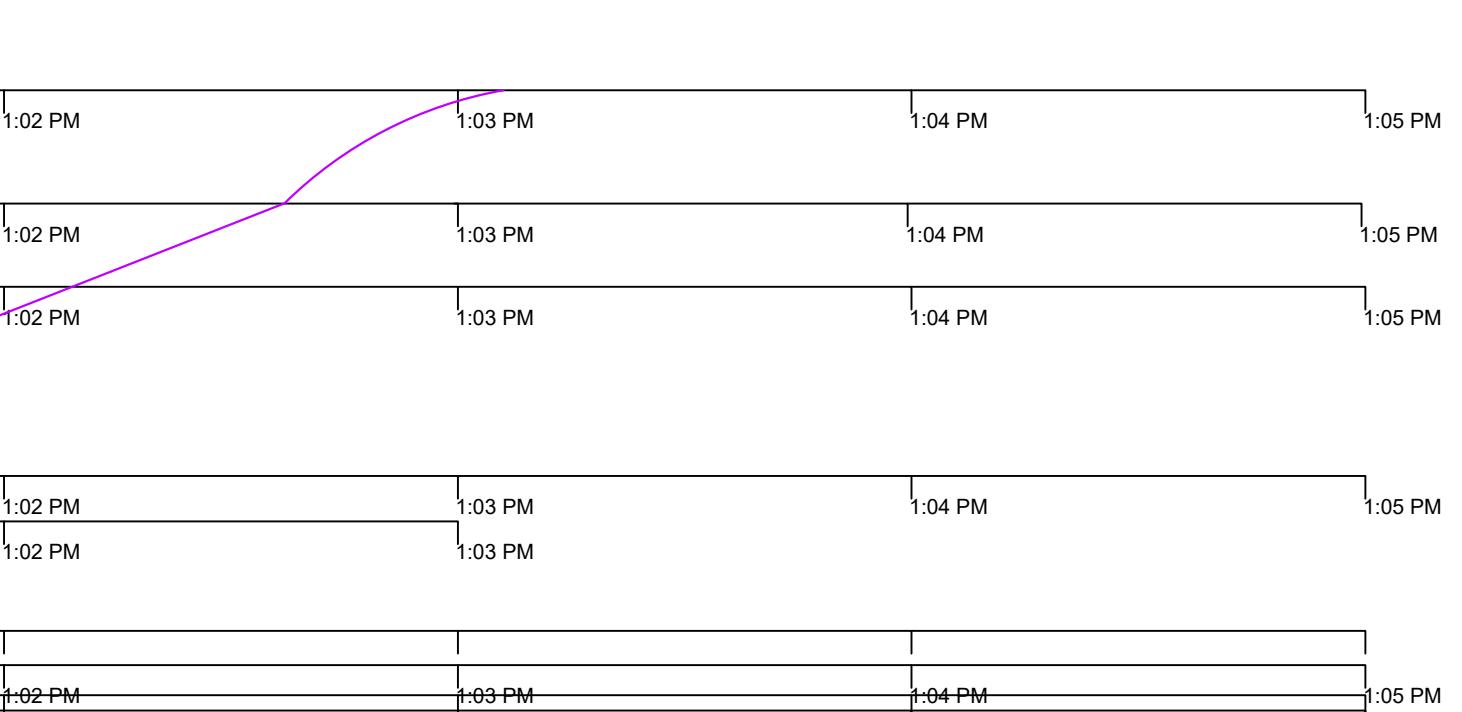










KETERANGAN GAMBAR	
	<ul style="list-style-type: none"> — ATR-72 — B737-500 — B737-800 — B737-900ER — A320 — JARAK KRITIS (SEPARASI)
JUDUL GAMBAR	
DIAGRAM RUANG-WAKTU STEEP APPROACH	
NOMOR	JUMLAH
17	17



PROGRAM STUDI S-1 JURUSAN TEKNIK SIPIL FTSP - ITS
LEMBAR KEGIATAN ASISTENSI TUGAS AKHIR (WAJIB DIISI)



Form AK/TA-04
rev01

Jurusan Teknik Sipil Lt.2, Kampus ITS Sukolilo, Surabaya 601111

Telp.031-5946094, Fax.031-5947284

NAMA PEMBIMBING	: IR ERVINA AHYUDANARI , ME , PH.D.
NAMA MAHASISWA	: FAISAL ESA ARIGHI
NRP	: 03111440000021
JUDUL TUGAS AKHIR	: PENGARUH STEEP APPROACH SEBAGAI METODE PENANGGULANGAN KEBISINGAN TERHADAP KAPASITAS RUNWAY
TANGGAL PROPOSAL	:
NO. SP-MMTA	:

NO	TANGGAL	KEGIATAN		PARAF ASISTEN
		REALISASI	RENCANA MINGGU DEPAN	
	30/8-2010	Bab I Pendahuluan	Revisi Bab dan Muatlah Bab II.	✓
	27/9-2010	Bab II Landasan Teori	- Pembahasan Steep Approach - Instrumen Pendekatan.	✓
	10/10-2010	Steep Approach , Instrumen Bab III	- Bab III - Kembalikan metodologi	✓
	29/10-2010	- Pembahasan metodologi - Presentasi	- Presentasi - Penurunan gambar - Presentasi	✓



PROGRAM STUDI S-1 JURUSAN TEKNIK SIPIL FTSP - ITS
LEMBAR KEGIATAN ASISTENSI TUGAS AKHIR (WAJIB DIISI)

Jurusan Teknik Sipil Lt.2, Kampus ITS Sukolilo, Surabaya 601111



Form AK/TA-04
rev01

Telp.031-5946094, Fax.031-5947284

NAMA PEMBIMBING	: Ir. Ervina Ahyudanari, M.E., Ph.D.
NAMA MAHASISWA	: Faisal Esa Atighi
NRP	: 03111440000021
JUDUL TUGAS AKHIR	: PENGARUH STEEP APPROACH SEBAGAI METODE PENANGGULANGAN KEBISINGAN TERHADAP KAPASITAS RUNWAY
TANGGAL PROPOSAL	: 31 OKTOBER 2018
NO. SP-MMTA	:

NO	TANGGAL	KEGIATAN		PARAF ASISTEN
		REALISASI	RENCANA MINGGU DEPAN	
1.	29/11-18	<ul style="list-style-type: none"> - Separation Rules - AIC Data - Peak Hour 	Diagram Peak Hour	/
2.	7/11-18	<ul style="list-style-type: none"> - Analisa Peak Hour standard Approach - Analisa Peak Hour Steep Approach 	<ul style="list-style-type: none"> - Perbaikan Analisa - Gambar analisa 	/
3.	17/11-18	<ul style="list-style-type: none"> - Bab 4 - Bab 5 	<ul style="list-style-type: none"> - Gambar Analisa - Perbaikan peraturan - perbaikan perhitungan 	/

**BERITA ACARA PENYELENGGARAAN UJIAN
SEMINAR DAN LISAN
TUGAS AKHIR**

Pada hari ini **Senin tanggal 14 Januari 2019 jam 08:30 WIB** telah diselenggarakan **UJIAN SEMINAR DAN LISAN TUGAS AKHIR** Program Sarjana (S1) Departemen Teknik Sipil FTSLK-ITS bagi mahasiswa:

NRP	Nama	Judul Tugas Akhir
03111440000021	Faisal Esa Arighi	Pengaruh Steep Approach sebagai Metode Penanggulangan Kebisingan Terhadap Kapasitas Runway

1. Dengan perbaikan/penyempurnaan yang harus dilakukan adalah :

- (1) Tambahan gambar nautical chart ke diagram ruang waktu.
(2) Judul diubah tanpa kebisingan. → operasional lebih tepat
(3) Gambar 4.9 bagian dari subbab 4.4 ? dijelaskan. termasuk bagian yg mana dan beri penjelasan.
(4) Sifat / sumber steep approach.
(5) Analisis instrumen pendaratan perlu ditambahkan.

2. Rentang nilai dari hasil diskusi Tim Penguji Tugas Akhir adalah : **(A)** AB / B / BC / C / D / E

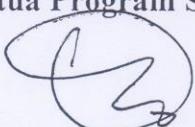
3. Dengan hasil ujian (wajib dibacakan oleh Ketua Sidang di depan Peserta Ujian dan Penguji) :

- Lulus Tanpa Perbaikan Mengulang Ujian Seminar dan Lisan
 Lulus Dengan Perbaikan Mengulang Ujian Lisan

Tim Penguji (Anggota)	Tanda Tangan
Ir. Ervina Ahyudanari, ME, PhD (Pembimbing 1) Dr. Catur Arif Prastyanto, ST. M.Eng Cahya Buana, ST. MT Budi Rahardjo, ST. MT	

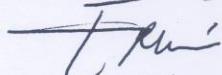
Surabaya, 14 Januari 2019

Mengetahui,
Ketua Program Studi S1



Dr. techn. Umboro Lasminto, ST. MSc
NIP 19721202 199802 1 001

Ketua Sidang



Ir. Ervina Ahyudanari, ME, PhD
(....NIP.:..196902241995122001.....)

Nama terang

BIODATA PENULIS



Faisal Esa Arighi

Lahir pada 21 Oktober 1997, di Jakarta. Penulis merupakan anak pertama dari dua bersaudara dari pasangan Suhardi dan Umi Nazilatul Fauziah. Penulis mengikuti pendidikan formal di SD Al-Ishmah Bekasi dan berpindah ke SD Negeri 01 Cibubur pada kelas 6 dan lulus pada tahun 2009. Penulis melanjutkan pendidikannya ke SMP N 49 Jakarta mengambil kelas akselerasi dan lulus pada tahun 2011. Pada tahun yang sama, penulis diterima di SMA Taruna Nusantara dan lulus pada tahun 2014. Kemudian, penulis melanjutkan pendidikan S1 di Institut Teknologi Sepuluh Nopember (ITS), Departemen Teknik Sipil – Fakultas Teknik Sipil, Lingkungan, dan Kebumian (FTSLK) ITS Surabaya.

Untuk menyelesaikan pendidikan S1-nya, penulis mengambil tugas akhir dalam bidang transportasi khususnya pada transportasi udara dengan judul "**Pengaruh Steep Approach Terhadap Operasional Runway**".

Narahubung

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