



**KERJA PRAKTIK - EF234603**

## **Design and Implementation on a Website for Managing Inventory within PT. Pertamina Gas**

**PT. Pertamina Gas**

Jl. Medan Merdeka Tim. No.11-13, RT.6/RW.1, Gambir,  
Kecamatan Gambir, Kota Jakarta Pusat, Daerah Khusus Ibukota  
Jakarta 10110

Periode: 8 Juli 2024 – 8 Oktober 2024

**Oleh:**

I Putu Arya Prawira Wiwekananda

5025211065

**Pembimbing Departemen**

Dr. Anny Yuniarti, S.Kom., M.Comp.Sc.

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Fonny Prasmono Adi

DEPARTEMEN TEKNIK INFORMATIKA

Fakultas Teknologi Elektro dan Informatika Cerdas

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**LEMBAR PENGESAHAN  
KERJA PRAKTIK**

**Design and Implementation on a Website for Managing  
Inventory within PT. Pertamina Gas**

Oleh:

I Putu Arya Prawira  
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(Pembimbing Lapangan)



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## **Design and Implementation on a Website for Managing Inventory within PT. Pertamina Gas**

Student Name : I Putu Arya Prawira Wiwekananda  
NRP : 5025211065  
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Field Supervisor : Fonny Prasmono Adi

### **ABSTRACT**

*PT Pertamina Gas is a company engaged in the midstream and downstream sectors of the Indonesian gas industry. Owned by PT Perusahaan Gas Negara Tbk. (PGN) and PT Pertamina (Persero). Pertamina Gas is part of the Gas sub-holding in Indonesia, which plays a role in gas trading, transportation, processing, distribution, and other businesses related to natural gas and its derivative products.*

*This website is made using framework and it has a few features, such as inputting products into the Website Database, see where the products is, and who is responsible for the condition of the product, etc. I am tasked to design the interface of the product and implement it, using tools such as Figma to design the interface, and implement it in the Laravel website using tailwind.css.*

***Key Words: Figma, Laravel, Website, Tailwind.css***

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## **FOREWORD**

The author would like to express his gratitude to God Almighty for His blessings and grace so that he can complete one of the author's obligations as a student of the ITS Informatics Engineering Department, namely the Internship entitled: Design and Implementation on a Website for Managing Inventory within PT. Pertamina Gas.

The author realizes that there are still many shortcomings both in carrying out the internship and compiling this internship report book. However, the author hopes that this report book will increase the reader's insight and be a source of reference.

Through this report book, the author would also like to express his gratitude to the people who have helped compile the internship report both directly and indirectly, including:

1. The author's parents
2. Mrs. DR. Anny Yuniarti, S.Kom., M.Comp.Sc. as the practical work supervisor.
3. Mr. Fonny Prasmono Adi. as the field supervisor during the internship.
4. The author's friends and girlfriend were always encouraged when the author was carrying out the internship.

Surabaya, December 12<sup>th</sup>, 2024  
I Putu Arya Prawira Wiwekananda

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# CHAPTER 1

## INTRODUCTION

### 1.1 Background

Currently companies around the world are making websites for a lot of things, such as services to help others in need, for easier work inside the company itself and more. Now companies such as PT Pertamina Gas is making a website that can be useful for the workers to use and take advantage of this website to improve the companies' output. Because websites are not only used to view certain information and data, but to edit and create data either from scratch or any other way.

PT. Pertamina Gas makes a lot of websites and mobile apps that can be used by the public and employees that want to be used for its work purposes. Currently the company need a website to store its Inventory, and that's what my task is for this project, to make a website where the IT Products and very valuable products that is from the IT Division is stored.

This Website can be accessed by a few people and curtain people can used all of its feature in this website, such as the VP and Managers can see and edit most of the things is this website, and there is 2 employee that can edit and attach data into the website, and there is me that design the interface so the user can use it without any problem.

## **1.2 Objective**

Help PT. Pertamina Gas to finish this project and make it useful for the employees and other users than want to use the website for good use.

## **1.3 Benefit**

The Benefit that can be obtain from this project is make the employee and other user see and edit products that is on the website, so they can manage the IT products and resources easier and faster.

## **1.4 Formulation of Problem**

Formulation of problem from this Practical Work are as follows:

1. How can the usability of this website be enhanced to better serve its intended users?
2. In what ways can the website's usability be improved?

## **1.5 Time and Location of Practical Work**

The Location of the Practical Work is at the Head Office of the company, and it's been done by *Work from Office*, and it's started from July 8<sup>th</sup>, 2024, up until October 8<sup>th</sup>, 2024.

## **1.6 Practical Work Methodology**

The methodology for creating practical workbooks includes:

### **1.6.1 Formulation of the Problem**

To determine the requirements for this website, I participated in a meeting with the manager, Mr. Mulyadi, as well as Mr. Michael and Mr. Aqdam, at the Head Office of PT. Pertamina Gas. During this meeting, we discussed the planning and design considerations for the website. Specifically, we deliberated on the most appropriate platform to utilize for designing the website prior to its implementation. The manager assigned me responsibility for the front-end development of the website, while Mr. Aqdam was designated to oversee the back-end development.

### **1.6.2 Literature Study**

After gaining a comprehensive understanding of the website's functionality and operational requirements, I am now able to propose ideas for optimizing the design to enhance its performance and usability. The design process will utilize a tool called "Figma," which will serve as the platform for creating the website's design from scratch.

### **1.6.3 System Analysis and Design**

After the review of the ideas that have been discussed beforehand, the website design idea is accepted and can now arrange the system architecture. The Website architecture is built by Mr. Michael and database is built by Mr. Aqdam.



### **1.6.4 System Implementation**

System Implementation is particularly important for this website. So, in this step the system implementation will be made first, after that I will continue to implement the frontend.

### **1.6.5 Testing and Evaluation**

After the website is done, it needs some testing and evaluation to test the website so we will know if it is properly built or if it has problems with it. If not, it needs some fix and some meeting to ask whether there is more feature that can be added to this website or not.

### **1.6.6 Conclusion and Suggestions**

The testing and evaluation are complete, and it is not finished but because my time of practical work is done, the project will be continued by handing the project development to the employee of PT. Pertamina Gas.

## **1.7 Report Systematics**

### **1.7.1 Chapter 1 Introduction**

This chapter is filled with the background, objective, benefit, formulation of problem, time and location of practical work and the practical work methodology.

### **1.7.2 Chapter II Company Profile**

This chapter is filled with PT. Pertamina Gas profile and the company location.

### **1.7.3 Chapter III Literature Review**

This chapter is dedicated to the type of technology that will be used to make this website to finish the project of the practical work.

### **1.7.4 Chapter IV Design Planning**

This chapter is filled with progress of designing the base of the website before implementing it with VS Code.

### **1.7.5 Chapter V Design Implementation**

This chapter is filled with all the information about implementing and a few steps regarding it.

### **1.7.6 Chapter IV Conclusion and Suggestions**

This chapter is filled with testing and evaluation from the website that has been made during my practical week.

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## **CHAPTER II**

### **COMPANY PROFILE**

#### **2.1 Profile**

PT Pertamina Gas is a company engaged in the midstream and downstream sectors of the Indonesian gas industry. Owned by PT Perusahaan Gas Negara Tbk. (PGN) and PT Pertamina (Persero). Pertamina Gas is part of the Gas sub-holding in Indonesia, which plays a role in gas trading, transportation, processing, distribution, and other businesses related to natural gas and its derivative products.

#### **2.2 Location**

Jl. Medan Merdeka Tim. No.11-13, RT.6/RW.1, Gambir, Kecamatan Gambir, Kota Jakarta Pusat, Daerah Khusus Ibukota Jakarta 10110.

#### **2.3 Corporate Governance**

Good Corporate Governance (GCG) at PT Pertamina Gas is defined as a mindset and work pattern across all levels of the company, to create an efficient and effective work system, in managing resources and businesses and increasing management responsibility to shareholders and other stakeholders.

## 2.4 Company Structure

The Company Structure that is in PT. Pertamina Gas on my division that is called HCBS that has 3 sub division which are:

1. HC (Human Capital), is the division where the employee recruits and trains other trainee or even higher ups, they set events, meetings.
2. GS (General Support) is the division where the employee helps the addition of products that the company use and also involves in some projects that the ICT have.
3. ICT (Information, Communication and Technology) is the division where the IT employee makes and develops apps and website that can be used by the public or just to make an app for internal uses.

The objectives of implementing GCG at PT Pertamina Gas are:

1. Maximizing the company's value by increasing the application of the principles of transparency, independence, accountability, responsibility, and fairness in implementing company activities.
2. The implementation of professional and independent company management.
3. The creation of decision-making by all company organs based on high moral values and compliance with applicable laws and regulations.

4. The implementation of corporate social responsibility towards stakeholders.
5. Improving a conducive national investment climate, especially in the energy and petrochemical sectors.

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## **CHAPTER III**

### **LITERATURE REVIEW**

#### **3.1 Web Programming**

In the ever-evolving digital landscape, web programming plays a pivotal role in shaping our online experiences. This topic explores the significance of web programming in the context of the digital age, emphasizing its multifaceted contributions to modern society. Web programming encompasses a wide array of technologies and languages such as HTML, CSS, JavaScript, and server-side scripting languages like PHP and Python.(Abdurakhimovich, 2023)

#### **3.2 VS Code**

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity).(Microsoft, 2020) VS Code's features, like IntelliSense (smart code completion), debugging tools, and integrated Git support, make it a popular choice among developers looking for an efficient and configurable coding environment.



### **3.3 PHP**

A framework defined as a structure that supports the development of dynamic websites, web applications, and services. Framework code and design are often reusable to assist customization, resource service, and API-related tasks. This study discussed current practice to help a developer understand PHP frameworks adoption for web application development.(Haris & Hasim, 2019)

### **3.4 CSS**

Cascading Style Sheets (CSS) is a W3C specification for a style sheet language used for describing the presentation of a document written in a markup language, more precisely, for styling Web documents. However, in the last few years, the landscape for CSS development has changed dramatically with the appearance of several languages and tools aiming to help developers build clean, modular and performance-aware CSS.(Queirós, 2018)

### **3.5 Figma**

Figma is one of the design tools that is usually used to create the appearance of mobile, desktop, website applications and others. Figma can be used on windows, linux or mac operating systems by connecting to the internet. Generally, Figma is widely used by someone who works in the field of UI/UX, web design and other similar fields. (Suparman et al., 2023)

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## **CHAPTER IV DESIGN PLANNING**

### **4.1 System Design**

In this chapter it will explain the steps I take when I design the website using Figma. Before creating it, I have a meeting with the employees and the manager on what the website should look like. And it has been decided that the design will look like any other website that the company has.

### **4.2 Website Design**

#### **4.2.1 Design**

The Design of “Inventory Management System” is made to make the work of the user/employee easier. There is a current web application that they are currently using, but to speed up the process of applying product contracts into the company’s database, there should be a new web that primarily focused on that specific task. The design of the website will be in the pictures below.

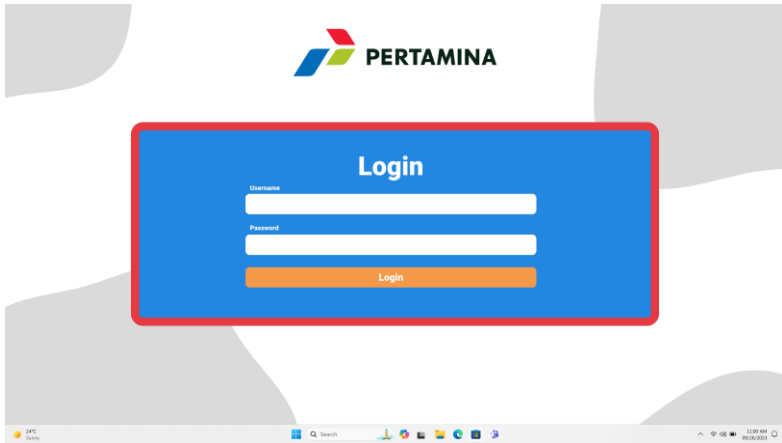


Figure 4.1. Login Page

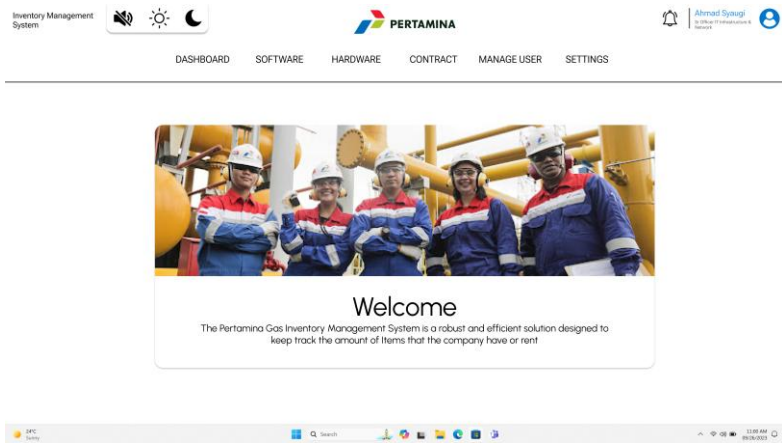


Figure 4.2. Home Page

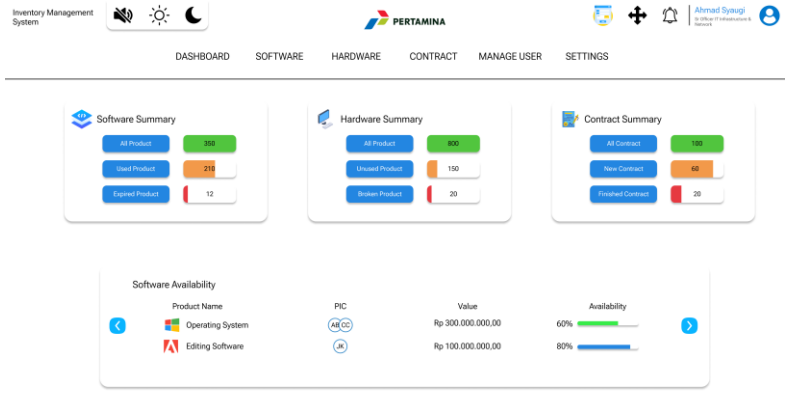


Figure 4.3. Dashboard Page Design 1

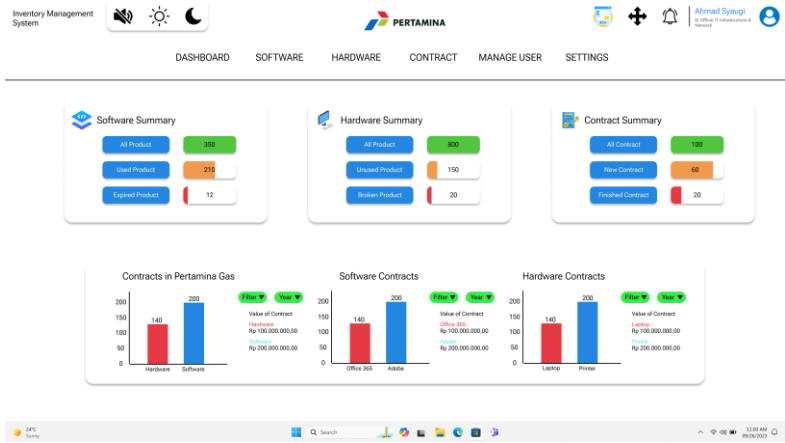


Figure 4.4. Dashboard Page Design 2

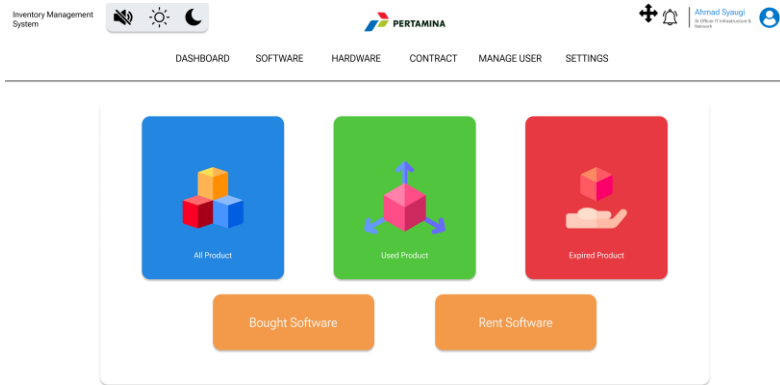


Figure 4.5. Software List Page

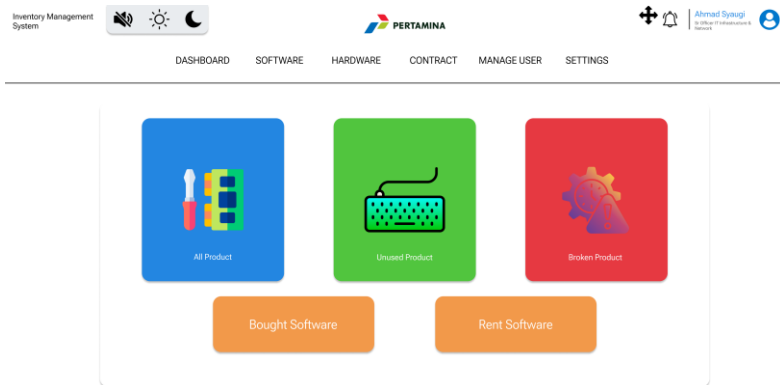


Figure 4.6. Hardware List Page

Search  [Add New](#) [Reset](#)

Nomor Po	Jumlah Produk	Vendor ID	Vendor Name	Harga	Tanggal Mulai	Tanggal Akhir	File Kontrak
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>
PO0001	200	V00001	Lenovo	Rp 200.000.000,00	01-01-2019	01-01-2024	<a href="#">Download</a>

Figure 4.7. Contract List Page

Search  [Contract](#) [User](#)

User ID	Name	Email	Role	Status
000001	A	Adiprati@gmail.com	Manager	Active
000002	B	Adiprati@gmail.com	Employee	Inactive
000003	C	Adiprati@gmail.com	Employee	Active
000004	D	Adiprati@gmail.com	Employee	Inactive
000005	E	Adiprati@gmail.com	Employee	Active
000006	F	Adiprati@gmail.com	Employee	Active
000007	G	Adiprati@gmail.com	Employee	Inactive
000008	H	Adiprati@gmail.com	Employee	Active
000009	I	Adiprati@gmail.com	Employee	Inactive
000010	J	Adiprati@gmail.com	Employee	Active
000011	K	Adiprati@gmail.com	Employee	Active
000012	L	Adiprati@gmail.com	Employee	Inactive

Figure 4.8. Manage User Page

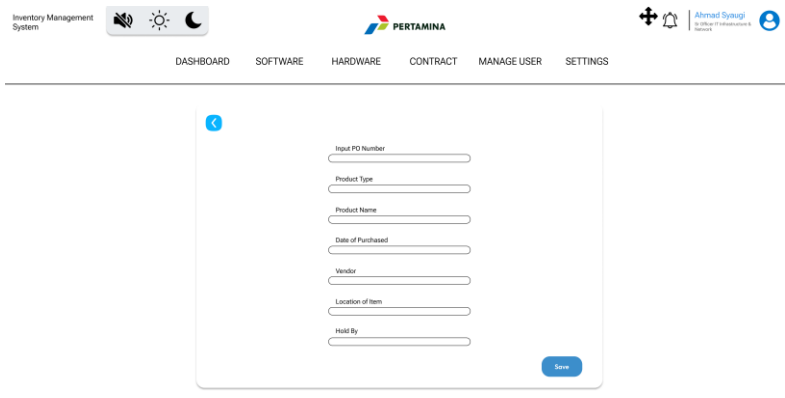


Figure 4.9. Software Form (Bought) Page

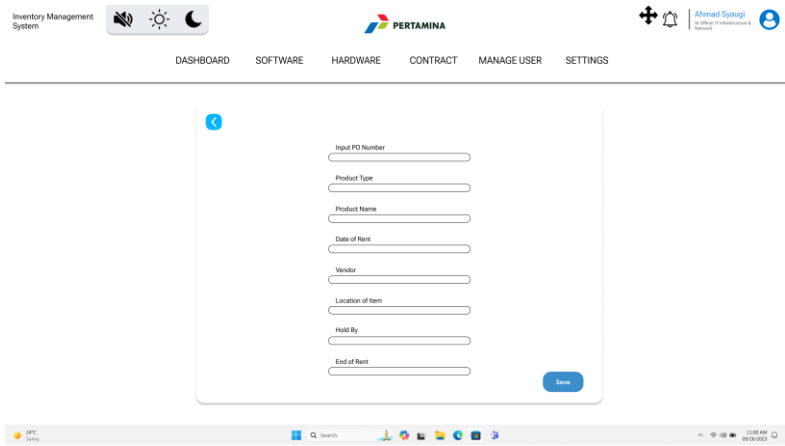


Figure 4.10. Software Form (Rent) Page



Product ID	Product Name	Type	Status	Purchase Date
000001	Windows 11	OS	Used	23 October 2023
000002	Windows 11	OS	Expired	23 October 2023
000003	Windows 11	OS	Used	23 October 2023
000004	Windows 11	OS	Expired	23 October 2023
000005	Windows 11	OS	Used	23 October 2023
000006	Windows 11	OS	Expired	23 October 2023

Figure 4.11. Software All Product List Page

Product ID	Product Name	Type	Status	Purchase Date
000001	Windows 11	OS	Used	23 October 2023
000002	Windows 11	OS	Expired	23 October 2023
000003	Windows 11	OS	Used	23 October 2023
000004	Windows 11	OS	Expired	23 October 2023
000005	Windows 11	OS	Used	23 October 2023
000006	Windows 11	OS	Expired	23 October 2023

Figure 4.12. Software Used Product List Page

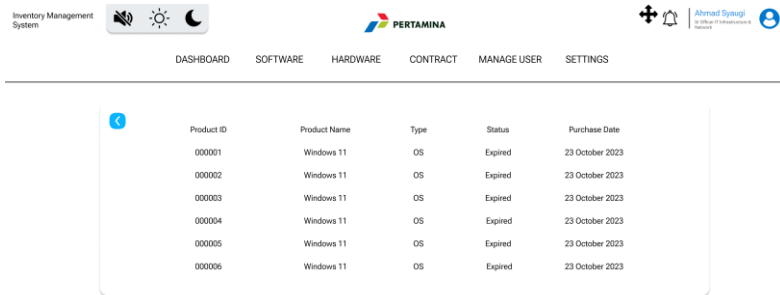


Figure 4.13. Software Expired Product List Page

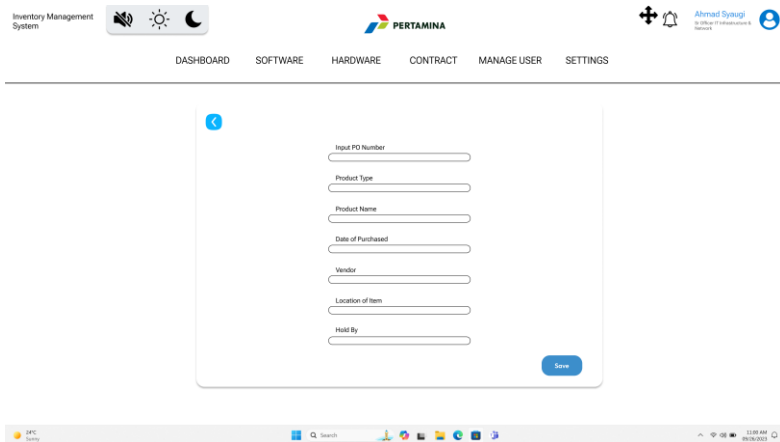


Figure 4.14. Hardware Form (Bought) Page

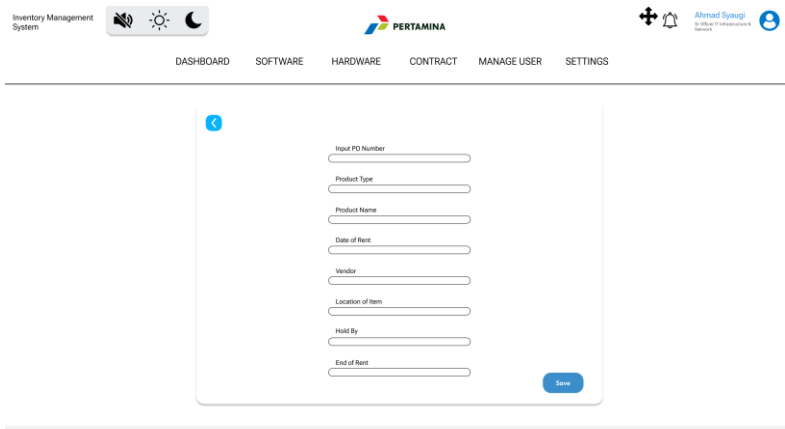


Figure 4.15. Hardware Form (Rent) Page

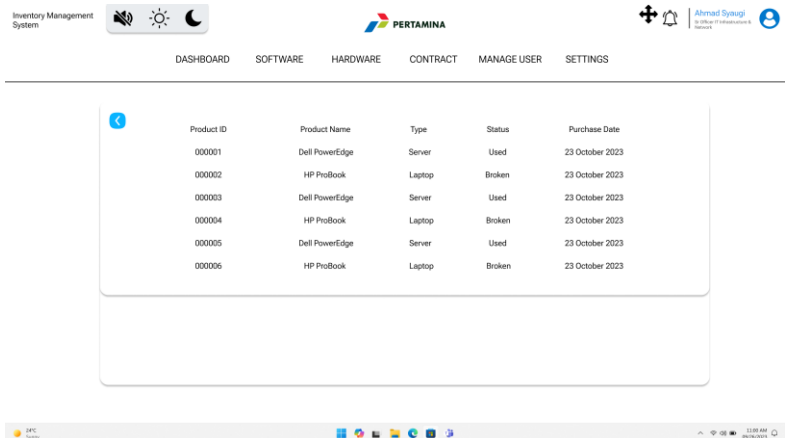


Figure 4.16. Hardware All Product List Page

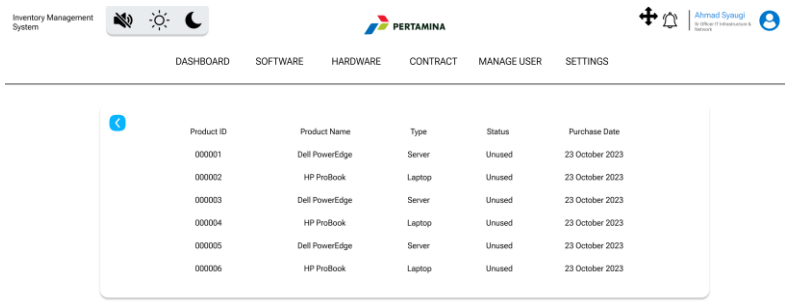


Figure 4.17. Hardware Unused Product List Page

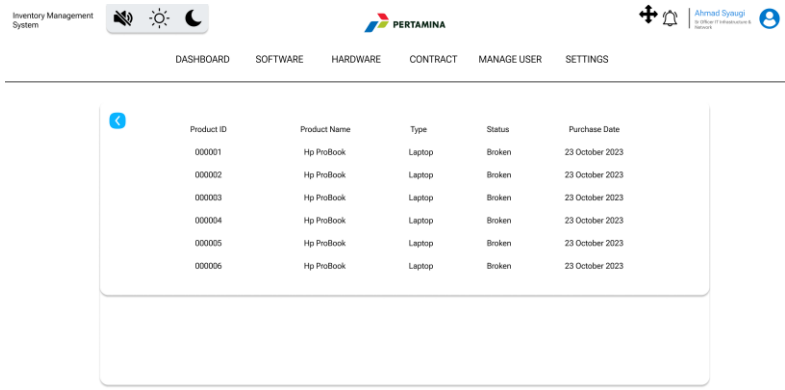


Figure 4.18. Hardware Broken Product List Page

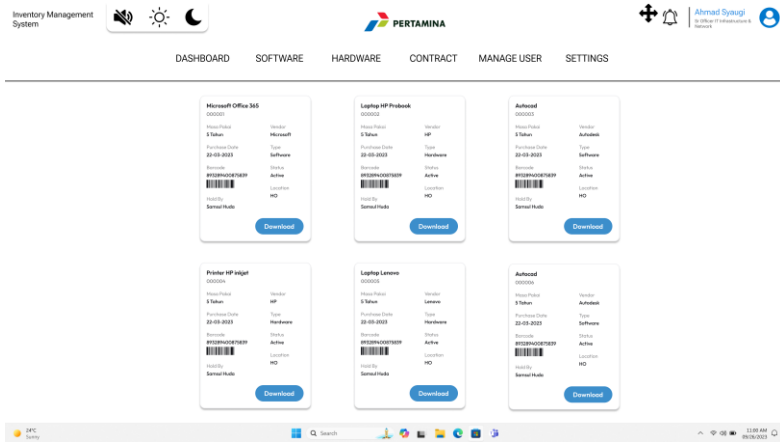


Figure 4.19. Contract Detail List Page

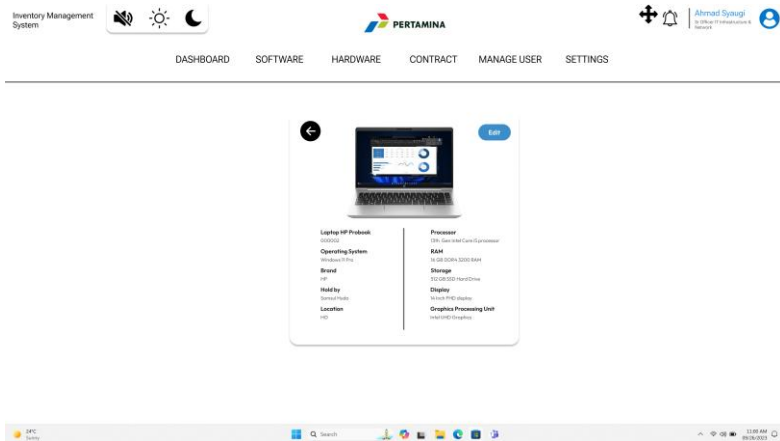


Figure 4.20. Contract Product Detail Page

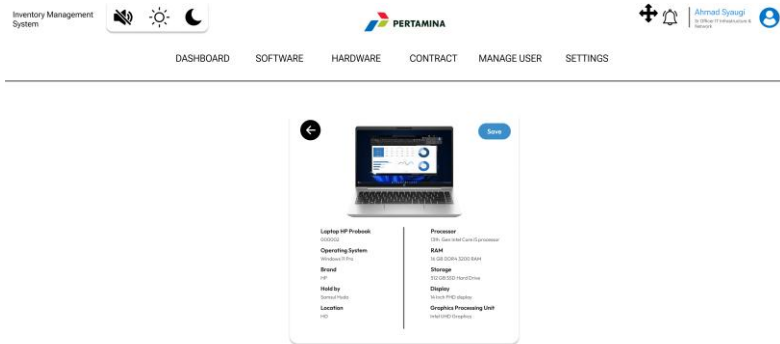


Figure 4.21. Contract Product Detail Edit Page

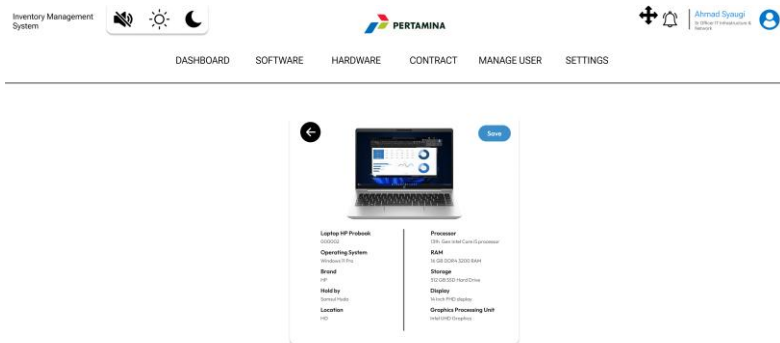


Figure 4.22. Contract Download Page

Software Contract Details  
Microsoft Office 365  
Contract Number: 000001  
Usage Duration: 5 Tahun  
Vendor: Microsoft  
Purchase Date: 22-03-2023  
Type: Software  
Barcode Number: 893289400875839  
  
Status: Active  
Location: HQ  
Held By: Samsul Huda

Figure 4.23. Contract Download Page

Figure 4.24. Form Contract Page

Figure 4.25. Form Input Contract Hardware/Software

Figure 4.26. Form Input Asset Hardware Page



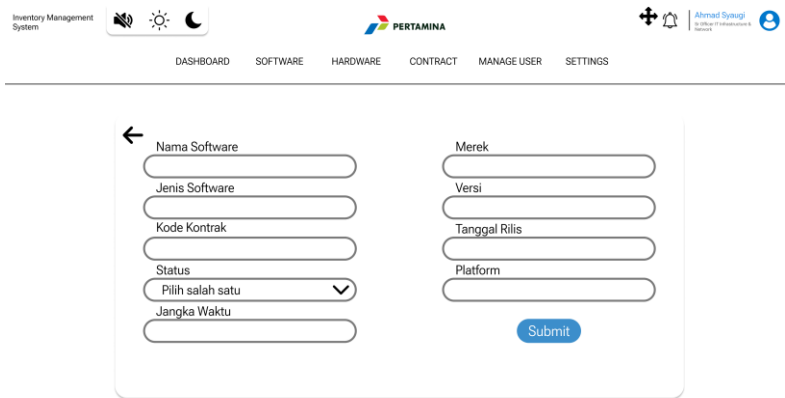


Figure 4.27. Form Input Asset Software Page

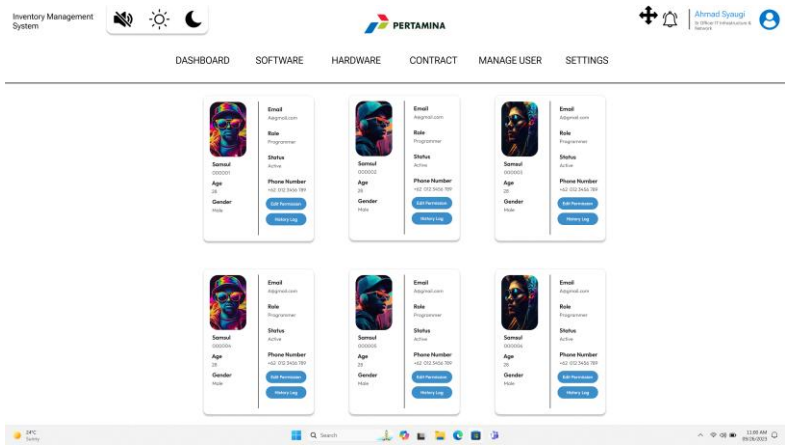


Figure 4.28. Manage User Detail List Page

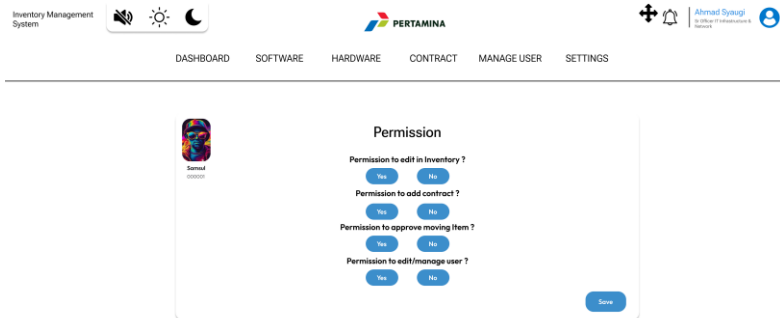


Figure 4.29. User Profile Page

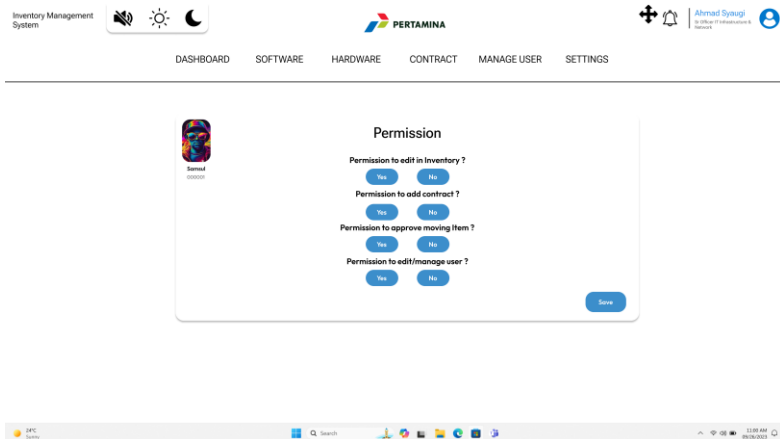


Figure 4.30. User Profile Edit Permission

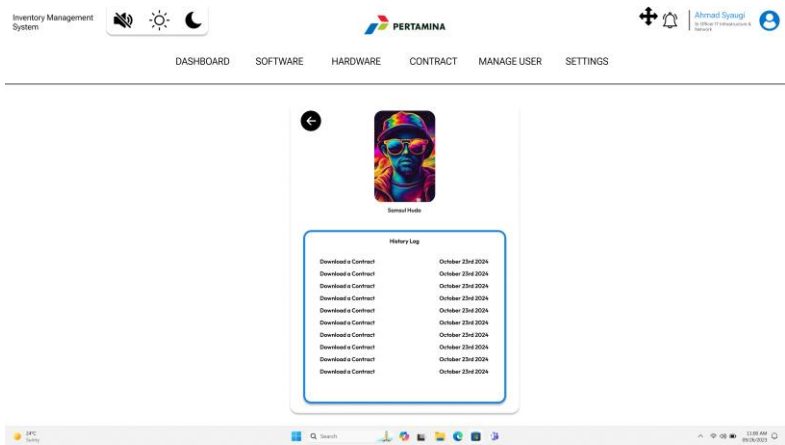


Figure 4.31. User Profile History Log

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# CHAPTER V

## DESIGN IMPLEMENTATION

This Chapter primarily explains how I implement the design that I create using Figma into Laravel. And on how the design will benefit the user that will use the website daily.

### 5.1 Implementation

#### 5.1.1 Dashboard page

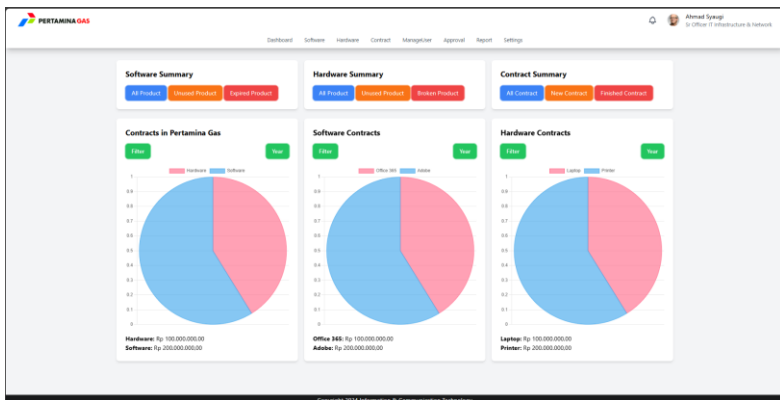


Figure 5.1. Dashboard

This is the dashboard for the **Inventory Management System** built for Pertamina Gas. At the top, there's a navigation bar with links to different sections like Dashboard, Software, Hardware, Contracts, Reports, and Settings, along with my profile details on the right. The page highlights key summaries—Software Summary, Hardware Summary, and Contract Summary—with filter buttons for categories like "All Product," "Unused Product," and "Expired Product," making it easy to manage and track the

status of each. Below that, I've included interactive pie charts for "Contracts in Pertamina Gas," "Software Contracts," and "Hardware Contracts," which visually display data such as product distribution and contract values. Each chart has filter options, like "Filter" and "Year," to refine the data view. The footer includes the copyright notice to complete the branding. This dashboard is designed to help manage contracts and assets efficiently, with a user-friendly and data-driven interface.

### 5.1.2 Software page

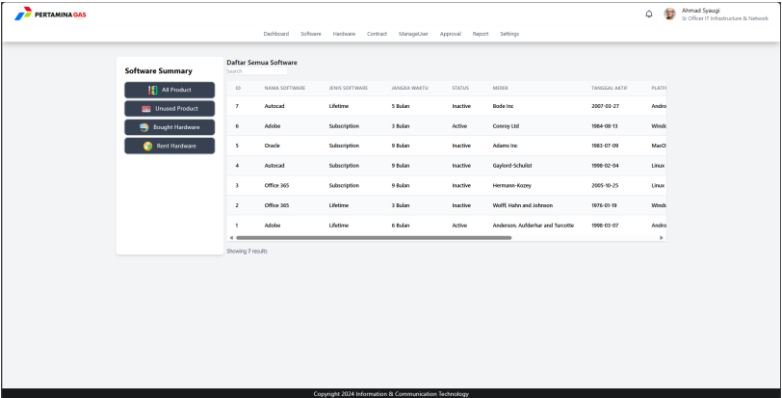


Figure 5.2. Software

This is the **Software Summary** page of the Inventory Management System. On the left, there's a sidebar that includes filter buttons for categories like "All Product," "Unused Product," "Bought Hardware," and "Rent Hardware," allowing for quick navigation and filtering of data. The main section displays a detailed table titled "Daftar Semua Software" (List of All Software). The table includes columns such as **Nama Software (Software Name)**, **Tipe (Type)**, **Jumlah Waktu (Duration)**,

**Status, Merek (Brand), Tanggal Aktif (Activation Date), and PIC (Person in Charge).** Each row represents a software item with relevant details like type (e.g., subscription or lifetime), status (active or inactive), and assigned personnel. There's also an "Add" option at the end of each row for further actions. The layout ensures organized tracking and management of software, with all essential details accessible at a glance. The footer includes the copyright notice for branding.

### 5.1.3 Hardware Page

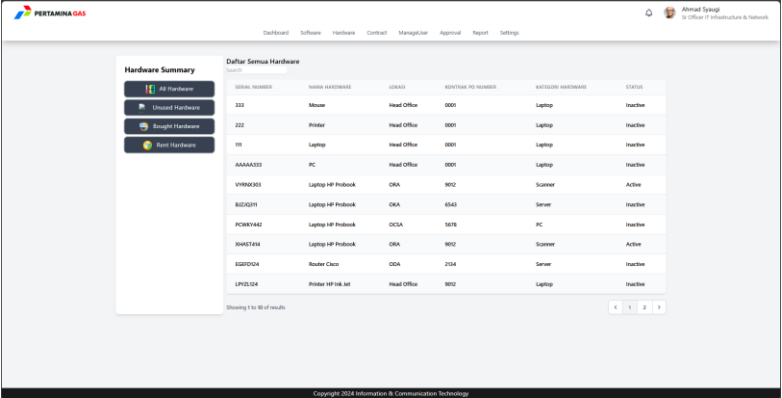


Figure 5.3. Hardware

This is the **Hardware Summary** page of the Inventory Management System. On the left sidebar, there are filter buttons for categories like "All Hardware," "Unused Hardware," "Bought Hardware," and "Rent Hardware." These filters make it easier to view specific hardware categories.

## 5.1.4 Contract Page

The screenshot displays the 'Contract' page in the PERTAMINA GAS system. The interface includes a navigation menu at the top with options like Dashboard, Software, Hardware, Contract, Manager, Approval, Report, and Settings. The main content area is titled 'Kontrak' and contains a table with the following data:

ID	NAMA KONTRAK	NILAI KONTRAK	JENIS KONTRAK	END DATE	START DATE	JENIS KONTRAK	KATEGORI KONTRAK	VENDOR NUMBER	VENDOR NAME	FILE KONTRAK
0001	Laptop IT	Rp 100.000.000,00	10	2025-01-26	2024-09-19	ball	Hardware	10	Lenovo	
0011	Server Fortinet 01	Rp 395.613.532,00	684	2025-01-26	2006-10-23	ball	Software	16	Voorloeden Casper	<a href="http://contic.com/indonesia-wagner-wen-us/84">http://contic.com/indonesia-wagner-wen-us/84</a>
4101	Server & Disk H3D4+	Rp 374.332.600,00	673	2025-01-26	1999-10-03	ball	Hardware	12	Kooyoung D&K	<a href="https://www.saha.com/feature-voice/4">https://www.saha.com/feature-voice/4</a>
4270	Server & Disk H3D4+	Rp 842.014.265,00	514	2025-01-26	1985-01-09	ball	Hardware	79	Gettable Services	<a href="https://www.bayle.com/blog/2018-error-grace">https://www.bayle.com/blog/2018-error-grace</a>
3456	Laptop HP Probook 01	Rp 795.488.702,00	379	2025-01-26	1992-06-01	sewa	Software	78	Gettable Services	<a href="http://www.kozu.net/param-et-emerit-a-racy/">http://www.kozu.net/param-et-emerit-a-racy/</a>
2104	Laptop HP Probook 01	Rp 802.076.337,00	233	2020-04-13	2007-01-03	sewa	Software	16	Voorloeden Casper	<a href="http://www.stedman.com/ren-casper-01/">http://www.stedman.com/ren-casper-01/</a>
0543	Laptop HP Probook 01	Rp 991.589.300,00	440	1975-08-04	2023-04-28	ball	Software	79	Gettable Services	<a href="http://ubudat.com/haught-investor-01/">http://ubudat.com/haught-investor-01/</a>
0007	Printer HP jet ink P301 Max	Rp 710.340.000,00	616	1999-08-14	1990-01-22	ball	Hardware	79	Gettable Services	<a href="https://feds.org/haught-aliquid-01/">https://feds.org/haught-aliquid-01/</a>
0002	Server Fortinet 01	Rp 453.984.710,00	173	1977-01-06	2002-01-27	ball	Software	90	Zima, Tromp and Schamberger	<a href="http://kiku.com/01/">http://kiku.com/01/</a>
0010	Server & Disk H3D4+	Rp 206.611.000,00	772	1999-03-05	1988-08-01	ball	Hardware	12	Kooyoung D&K	<a href="https://www.bayle.com/feature-voice-01/">https://www.bayle.com/feature-voice-01/</a>

Showing 11 of 10 results

Figure 5.4. Contract

This is the Contract Summary page of the Inventory Management System. The point of this page is to show the all the contracts that is in the company that includes the Hardware and Software contracts.



## 5.1.5 Approval Page

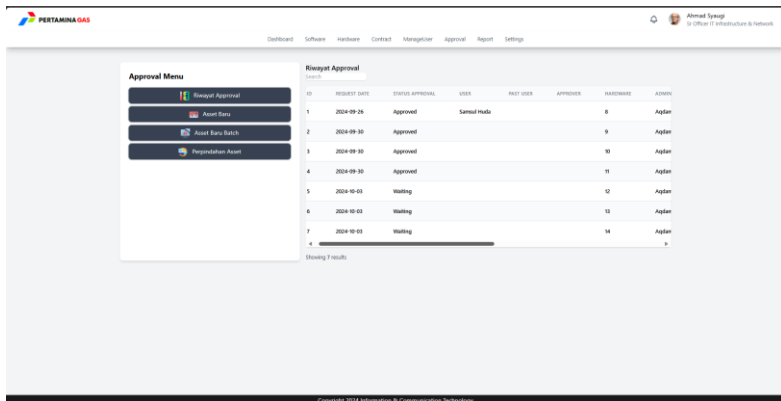


Figure 5.5. Approval

The Approval page is the ability of the higher ups to approve contracts or assets that has been inputted by the employee that is in charge of the contracts.

## 5.1.6 Report Page

AREA	TOTAL DOKUMEN	KELOMPOK AKTIF	KELOMPOK TIDAK AKTIF	SELISIS DOKUMEN
IND	19	6	2	Rp. 203.000.000
GSA	5	3	2	Rp. 103.000.000
<b>Total</b>	<b>24</b>	<b>9</b>	<b>4</b>	<b>Rp. 306.000.000</b>

AREA	TOTAL DOKUMEN	HARDWARE AKTIF	HARDWARE TIDAK AKTIF	SELISIS DOKUMEN
IND	19	12	3	Rp. 303.000.000
GSA	7	3	2	Rp. 303.000.000
<b>Total</b>	<b>26</b>	<b>15</b>	<b>5</b>	<b>Rp. 606.000.000</b>

AREA	TOTAL DOKUMEN	SOFTWARE AKTIF	SOFTWARE TIDAK AKTIF	SELISIS DOKUMEN
IND	23	16	2	Rp. 423.000.000
GSA	12	7	3	Rp. 253.000.000
<b>Total</b>	<b>35</b>	<b>23</b>	<b>5</b>	<b>Rp. 676.000.000</b>

Figure 5.6. Report

The Report page is to see the current value of the software and hardware contracts.

### 5.1.7 Contract add new page

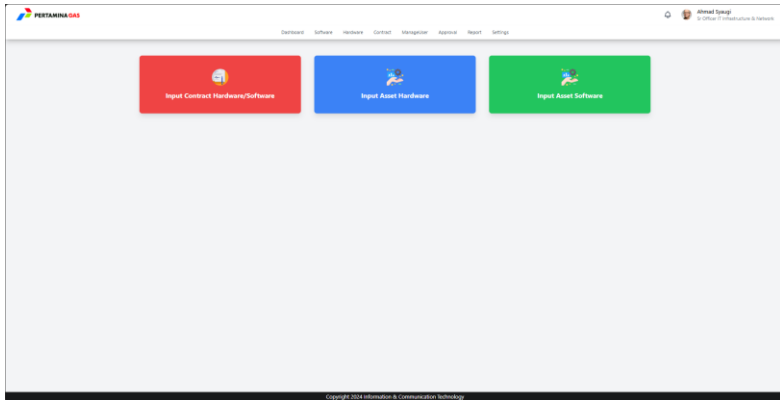


Figure 5.7. Contract add new

Contract add new page is the page to choose if you want to add a new contract or add assets based on the contract that has been added.

## 5.1.8 Contract input hardware-software

The screenshot shows a web application interface for PT PERTAMINA GAS. The top navigation bar includes 'Dashboard', 'Software', 'Hardware', 'Contract', 'Managerial', 'Approval', 'Report', and 'Settings'. The user is logged in as 'Ahmad Syarif' with the role 'Operator IT Infrastructure & Network'. The main content area displays a form titled 'Contract input hardware-software'. The form has two columns of input fields. The left column contains: 'Name Kontrak' (text input), 'No Kontrak' (text input), 'Nama Vendor' (text input), 'No Vendor' (text input), 'Jumlah Produk' (text input), and 'Upload PDF' (file upload). The right column contains: 'Nama Kontrak' (text input), 'Tanggal Mulai Kontrak' (date input), 'Tanggal Berakhir' (date input), 'Kategori Kontrak' (dropdown menu), and 'Jenis Kontrak' (dropdown menu). A blue 'Submit' button is located at the bottom right of the form. The footer of the page reads 'Copyright © 2024 Information & Communication Technology'.

Figure 5.8. Contract input hardware-software

Contract input hardware-software is where you put the detail information about the product from the contract.

## 5.1.9 Contract asset hardware

The screenshot shows a web application interface for PT PERTAMINA GAS. The top navigation bar includes 'Dashboard', 'Software', 'Hardware', 'Contract', 'Managerial', 'Approval', 'Report', and 'Settings'. The user is logged in as 'Ahmad Syarif' with the role 'Operator IT Infrastructure & Network'. The main content area displays a form titled 'Contract asset hardware'. The form has two columns of input fields. The left column contains: 'Name Hardware' (text input), 'Merk' (text input), 'Barcode' (text input), 'Lokasi Hardware' (text input), and 'HWA Office' (text input). The right column contains: 'Serial Number' (text input), 'Kategori Hardware' (dropdown menu), 'No Kontrak' (dropdown menu), and 'Username Perangang' (text input). A blue 'Submit' button is located at the bottom right of the form. The footer of the page reads 'Copyright © 2024 Information & Communication Technology'.

Figure 5.9. Contract asset hardware

Contract asset hardware is where after inserting the contract, you have to input the asset manually and by choosing the contract no based on the asset that is in the contract.

### 5.1.10 Contract asset software

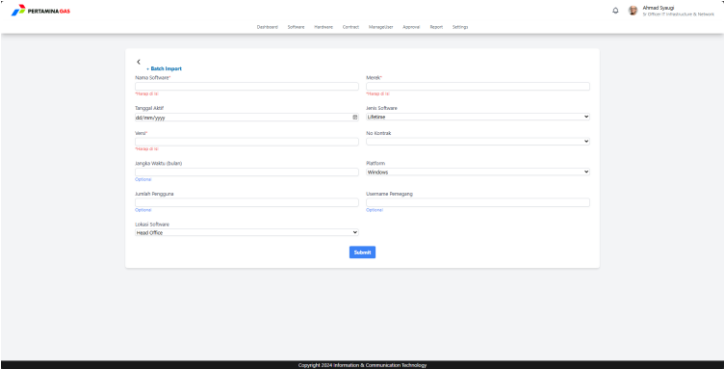


Figure 5.10. Contract asset software

Contract asset software is the same use case as asset hardware but to insert the software asset based on the contract.

### 5.1.11 Contract asset hardware (batch import)

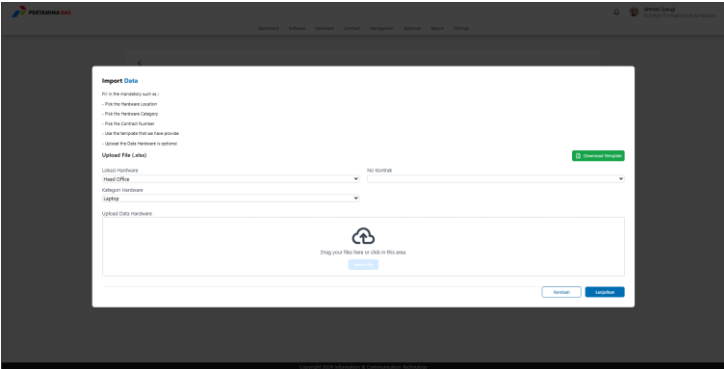


Figure 5.11. Contract asset hardware (batch import)

The Contract asset hardware (batch import) is to add more information to the hardware product that will be inputted to the IMS web app.

### 5.1.12 Contract asset software (batch import)

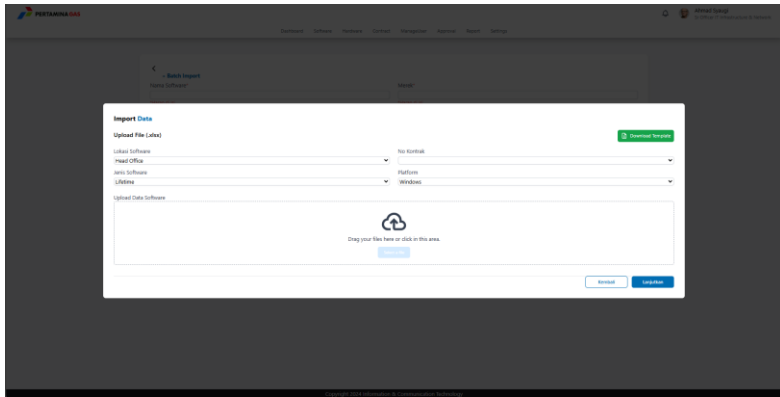


Figure 5.12. Contract asset software (batch import)

The Contract asset software (batch import) is the same as The Contract asset hardware (batch import) but to insert the software with more detail.

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## **CHAPTER VI**

### **TESTING AND EVALUATION**

This chapter explains the testing of every feature that is on the website that is called “Inventory Management System” and on how the feature will be used so it will maximize the potential that this website has.

#### **6.1 Testing Purposes**

This Testing is carried out on the Database that is owned by PT. Pertamina Gas to test the capability of the website and help the user to work more effectively.

#### **6.2 Test Criteria**

The evaluation for attainment of testing objectives can be displayed by some of the expected results are as follows:

- a. The ability to make the appearance of the website.
- b. The ability to input data into the website.
- c. The ability to upload files onto the website.
- d. The ability of the website to filter data.
- e. The ability of the website to input new contract or asset
- f. Can be used to many user

### 6.3 Test Scenario

The test scenario is done by playing the role of a user who will run the features. The steps for each functionality requirement are as follows:

1. User can input data that they have into the website
2. User can check the data that they have inputted
3. User can easily maneuver the website as if they already know how to use it
4. User can see the contract that have/have not been approved by the upper management
5. User can see the contract value of the contract that is on the website

### 6.4 Test Evaluation

The result of testing that is carried out on the “Inventory Management System” website. Table 6.1 below this will explain the result of the testing of using the website that has been created.

*Table 6.1 Test Evaluation Result*

<b>Test Criteria</b>	<b>Test Results</b>
The ability to make the appearance of the website.	Succeeded
The ability to input data into the website.	Succeeded
The ability to upload files onto the website.	Succeeded



The ability of the website to filter data.	Succeeded
The ability of the website to input new contract or asset Can be used to many user	Succeeded

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## **CHAPTER VII**

### **CONCLUSION AND SUGGESTION**

#### **7.1 Conclusion**

The conclusion that can be taken from making this website on the Practical Work in PT. Pertamina Gas are as follows:

- a. The Website Design is built until the demand is required.
- b. With the existence of this website, PT Pertamina Gas can use the website to insert and update the current contracts of products so that they can make their work easier to manage.

#### **7.2 Suggestion**

My Suggestion for the design elements inside the “Inventory Management System” website are as follows:

- a. On a few pages that are on the website should be easier to understand so the user can know what this does and what it will do.
- b. Do some suggestions from other users that are tasked to use this website to you would know what the user wants and make their experience better.

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