TUGAS AKHIR
(KL 1702)

MODEL INTERPRETASI MAGNETIK UNTUK MENDETEKSI POSISI PIPA BAWAH AIR

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LEMBAR PENGESAHAN

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ABSTRACT

Magnetic method is one of many geophysics method which can be use to detect the existing of things, minerals, oil and other materials which has magnetic property,, which is exist or buried under earth or on below water surface. To identify the existing or position of a material with the use of magnetic method, the rate of magnetism of the material or the susepbility of the material should be discover. One of the applied magnetic methods is the mean of existing of magnetic interpretation models to identify under water pipe, which discussed on this Tugas Akhir. On this Tugas Akhir, the pipe, which has been use, is the steel pipe, which has been use by Tran Java Gas Pipeline Corp. to flow the gas in Madura strait. With the use of density data and susepbility data of rocks and minerals, by knowing the density of the steel pipe, the susepbility of the pipe can be determined. With the use of MAG2DC software and the making of different depth, the amount of different anomaly of magnetic field can obtained. With this anomaly, magnetism interpretation model can be build up to describe magnetic anomaly based on pipe position.