

DAFTAR ISI

LEMBAR PERNYATAAN ORISINALITAS	Error! Bookmark not defined.
LEMBAR PENGESAHAN	Error! Bookmark not defined.
ABSTRAK.....	Error! Bookmark not defined.
ABSTRACT.....	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
DAFTAR ISI.....	2
DAFTAR GAMBAR.....	Error! Bookmark not defined.
DAFTAR TABEL.....	Error! Bookmark not defined.
BAB 1	Error! Bookmark not defined.
PENDAHULUAN	Error! Bookmark not defined.
1. 1 Latar Belakang	Error! Bookmark not defined.
1. 2 Rumusan Masalah.....	Error! Bookmark not defined.
1. 3 Tujuan Penelitian	Error! Bookmark not defined.
1. 4 Batasan Masalah	Error! Bookmark not defined.
1. 5 Metode Penelitian	Error! Bookmark not defined.
1. 6 Sistematika Penelitian.....	Error! Bookmark not defined.
BAB II.....	Error! Bookmark not defined.
LANDASAN TEORI.....	Error! Bookmark not defined.
2. 1 Non- Destructive Testing (NDT)	Error! Bookmark not defined.
2. 2 Medan Magnet pada <i>Magnetic Inductance Tomography</i> (MIT) ...	Error! Bookmark not defined.
2. 3 Persamaan Maxwell.....	Error! Bookmark not defined.
2. 4 Arus Eddy	Error! Bookmark not defined.
2. 5 Frekuensi Resonansi pada Koil.....	Error! Bookmark not defined.

2. 6	Gaya Gerak Listrik (GGL) Induksi dan Hukum Faraday	Error! Bookmark not defined.
2. 7	Sensor	Error! Bookmark not defined.
2.7.1	Induktansi pada Solenoida.....	Error! Bookmark not defined.
2. 8	Magnetik Permeabilitas	Error! Bookmark not defined.
2. 9	Problema Maju.....	Error! Bookmark not defined.
2.9.1	<i>Finite Element Method</i> (FEM).....	Error! Bookmark not defined.
2.9.2	COMSOL® Multiphysics®	Error! Bookmark not defined.
BAB III		Error! Bookmark not defined.
METODE PENELITIAN.....		Error! Bookmark not defined.
3. 1	Waktu dan Tempat Penelitian.....	Error! Bookmark not defined.
3. 2	Jadwal Pelaksanaan Penelitian.....	Error! Bookmark not defined.
3. 3	Diagram alir penelitian	Error! Bookmark not defined.
3.3.1	Simulasi dan eksperimen	Error! Bookmark not defined.
3. 4	Prosedur Penelitian	Error! Bookmark not defined.
3.4.1	Simulasi Sistem Menggunakan COMSOL Multiphysic 4.4....	Error! Bookmark not defined.
3.4.2	Pengaturan Geometri.....	Error! Bookmark not defined.
3.4.3	Pengaturan <i>Material</i>	Error! Bookmark not defined.
3.4.4	Pengaturan <i>Modul Magnetic Fields</i> (mf).....	Error! Bookmark not defined.
3.4.5	Pengaturan <i>Modul Electrical Circuit</i> (cir)	Error! Bookmark not defined.
3.4.6	Pengaturan <i>Study</i>	Error! Bookmark not defined.
3.4.7	Pengukuran Induktansi.....	Error! Bookmark not defined.
3.4.8	Pengukuran Tegangan.....	Error! Bookmark not defined.
BAB IV		Error! Bookmark not defined.

HASIL PENGUJIAN DAN PEMBAHASAN.....	Error! Bookmark not defined.
4. 1 Data Hasil Simulasi COMSOL Multiphysics 4.4	Error! Bookmark not defined.
4.1.1 Simulasi Induktansi Diri	Error! Bookmark not defined.
4.1.2 Simulasi Sistem Induksi Medan Magnet	Error! Bookmark not defined.
4. 2 Konfigurasi Sensor Koil	Error! Bookmark not defined.
4. 3 Pengujian Sinyal Output Pemancar	Error! Bookmark not defined.
4.3.1 Pengambilan Data Karakterisasi Sistem Sensor Koil	Error! Bookmark not defined.
4. 4 Pengambilan data sensitivitas sensor terhadap objek normal dengan variasi bahan uji	Error! Bookmark not defined.
4. 5 Data Tegangan dengan Objek Cacat	Error! Bookmark not defined.
KESIMPULAN DAN SARAN.....	Error! Bookmark not defined.
5.1 Kesimpulan.....	Error! Bookmark not defined.
5.2 Saran.....	Error! Bookmark not defined.
DAFTAR PUSTAKA	Error! Bookmark not defined.
LAMPIRAN.....	Error! Bookmark not defined.