

DAFTAR ISI

ABSTRAK	Error! Bookmark not defined.
ABSTRACT	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
DAFTAR ISI.....	i
DAFTAR GAMBAR	Error! Bookmark not defined.
DAFTAR TABEL.....	Error! Bookmark not defined.
BAB I PENDAHULUAN.....	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Tujuan Penelitian	Error! Bookmark not defined.
1.3 Manfaat Penelitian	Error! Bookmark not defined.
1.4 Batasan Masalah	Error! Bookmark not defined.
1.5 Sistematika Penulisan	Error! Bookmark not defined.
BAB II TINJAUAN PUSTAKA.....	Error! Bookmark not defined.
2.1. Sistem Automatic Voltage Regulation (AVR)	Error! Bookmark not defined.
2.1.1 Model Generator	Error! Bookmark not defined.
2.1.2 Model Amplifier	Error! Bookmark not defined.
2.1.3 Model Exciter	Error! Bookmark not defined.
2.1.4 Model Sensor	Error! Bookmark not defined.
2.1.5 Stabiliser	Error! Bookmark not defined.
2.2. Diagram Blok Sistem Kendali Automatic Voltage Regulator (AVR)	Error! Bookmark not defined.
2.3. Sistem Kendali	Error! Bookmark not defined.
2.4. Pemodelan Sistem Kendali	Error! Bookmark not defined.
2.4.1 Fungsi Alih	Error! Bookmark not defined.
2.4.2 Persamaan Keadaan	Error! Bookmark not defined.
2.5. Performansi Sistem Lingkar Terbuka Dalam Domain Waktu.....	Error! Bookmark not defined.

2.6.	Performansi Sistem Lingkar Tertutup Dalam Domain Waktu.....	Error! Bookmark not defined.
2.7.	Analisa Kestabilan Sistem Dalam Domain Waktu	Error! Bookmark not defined.
2.8.	Analisa Domain Frekuensi	Error! Bookmark not defined.
2.9.	Diagram Bode	Error! Bookmark not defined.
2.10.	Perancangan Pengendali H_{∞} optimal	Error! Bookmark not defined.
2.10.1	Metoda H_{∞} Optimal	Error! Bookmark not defined.
2.10.2	Pendekatan Mixed-Sensitivity	Error! Bookmark not defined.
BAB III	METODE PENELITIAN.....	Error! Bookmark not defined.
3.1	Sistem Secara Umum.....	Error! Bookmark not defined.
3.2	Parameter Sistem Automatic Voltage Regulator (AVR).	Error! Bookmark not defined.
3.3	Langkah-langkah Penelitian	Error! Bookmark not defined.
3.4.	Diagram Alir	Error! Bookmark not defined.
3.5.	Jadwal Penelitian	Error! Bookmark not defined.
BAB IV	ANALISA DAN PEMBAHASAN ...	Error! Bookmark not defined.
4.1	Pendahuluan.....	Error! Bookmark not defined.
4.2	Performansi Sistem Lingkar Terbuka dalam Domain Waktu tanpa Metoda H_{∞} Optimal	Error! Bookmark not defined.
4.3	Performansi Sistem Lingkar Tertutup dalam Domain Waktu tanpa Metode H_{∞} Optimal.....	Error! Bookmark not defined.
4.4	Analisa Kestabilan Sistem tanpa Metoda H_{∞} Optimal dalam Domain Waktu.....	Error! Bookmark not defined.
4.5	Performansi Sistem Lingkar Terbuka Dalam Domain Frekuensi Tanpa Metoda H_{∞} Optimal	Error! Bookmark not defined.
4.6	Performansi Sistem Lingkar Tertutup Dalam Domain Frekuensi Tanpa Metoda H_{∞} Optimal....	Error! Bookmark not defined.
4.7	Analisa Kestabilan Sistem Tanpa Metoda H_{∞} Dalam Domain Frekuensi.....	Error! Bookmark not defined.

- 4.8 Analisa Kekokohan Tanpa Metoda H~ Optimal **Error! Bookmark not defined.**
- 4.9 Kriteria Perancangan Sistem Kendali dengan Metoda H~ Optimal**Error! Bookmark not defined.**
- 4.10 Performansi Sistem Lingkar Terbuka dalam Domain Waktu dengan Metoda H~ Optimal**Error! Bookmark not defined.**
- 4.11 Performansi Sistem Lingkar Tertutup dalam Domain Waktu dengan Metoda H~ Optimal**Error! Bookmark not defined.**
- 4.12 Analisa Kestabilan Sistem Dengan Metoda H~ Optimal Dalam Domain Waktu.....**Error! Bookmark not defined.**
- 4.13 Performansi Sistem Lingkar Terbuka Dalam Domain Frekuensi Dengan Metoda H~ Optimal....**Error! Bookmark not defined.**
- 4.14 Performansi Sistem Lingkar Tertutup Dalam Domain Frekuensi Dengan Metoda H~ Optimal..**Error! Bookmark not defined.**
- 4.15 Analisa Kestabilan Sistem Dengan Metoda H~ Optimal Dalam Domain Frekuensi.....**Error! Bookmark not defined.**
- 4.16 Analisa Kekokohan Dengan Metoda H~ Optimal **Error! Bookmark not defined.**
- 4.17 Performansi Sistem Lingkar Terbuka Dalam Domain Waktu Dengan Penambahan Stabilizer**Error! Bookmark not defined.**
- 4.18 Performansi Sistem Lingkar Tertutup dalam Domain Waktu dengan Penambahan Stabilizer **Error! Bookmark not defined.**
- 4.19 Analisa Kestabilan Sistem dengan Penambahan Stabilizer dalam Domain Waktu.**Error! Bookmark not defined.**
- 4.20 Performansi Sistem Lingkar Terbuka dalam Domain Frekuensi dengan Penambahan Stabilizer.**Error! Bookmark not defined.**
- 4.21 Performansi Sistem Lingkar Tertutup dalam Domain Frekuensi dengan Penambahan Stabilizer.**Error! Bookmark not defined.**
- 4.22 Analisa Kestabilan Sistem dalam Domain Frekuensi..... **Error! Bookmark not defined.**

4.23	Analisa Kekokohan Sistem.....	Error! Bookmark not defined.
4.24	Hasil Perbandingan Perancangan Sistem Kendali Automatic Voltage Regulator (AVR).....	Error! Bookmark not defined.
BAB V	PENUTUP	Error! Bookmark not defined.
5.1	Kesimpulan.....	Error! Bookmark not defined.
5.2	Saran	Error! Bookmark not defined.
LAMPIRAN A.	LISTING PROGRAM ANALISA SISTEM KENDALI AUTOMATIC VOLTAGE REGULATOR ..	Error! Bookmark not defined.
LAMPIRAN B.	HASIL RUNNING PROGRAM SISTEM KENDALI AUTOMATIC VOLTAGE REGULATOR ..	Error! Bookmark not defined.

