

DAFTAR ISI

LEMBAR JUDUL	i
LEMBAR PENGESAHAN	Error! Bookmark not defined.
LEMBAR PERNYATAAN ORISINALITAS	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
ABSTRACT	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
UCAPAN TERIMAKASIH	Error! Bookmark not defined.
DAFTAR ISI	1
DAFTAR TABEL	Error! Bookmark not defined.
DAFTAR GAMBAR	Error! Bookmark not defined.
DAFTAR ISTILAH	Error! Bookmark not defined.
DAFTAR SINGKATAN	Error! Bookmark not defined.
BAB I PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Tujuan.....	Error! Bookmark not defined.
1.3 Rumusan Masalah	Error! Bookmark not defined.
1.4 Batasan Masalah.....	Error! Bookmark not defined.
1.5 Metodologi Penelitian	Error! Bookmark not defined.
1.6 Sistematika Penulisan.....	Error! Bookmark not defined.
BAB II LANDASAN TEORI	Error! Bookmark not defined.
2.1 Konsep Dasar Robot.....	Error! Bookmark not defined.
2.2 Loadcell.....	Error! Bookmark not defined.
2.3 HX711	Error! Bookmark not defined.
2.4 Sistem Minimum Arduino Nano	Error! Bookmark not defined.
2.5 Motor DC ^[8]	Error! Bookmark not defined.
2.6 Metode Kontrol <i>Fuzzy Logic</i> ^[9]	Error! Bookmark not defined.
BAB III PERANCANGAN DAN IMPLEMENTASI	Error! Bookmark not defined.
3.1 Gambaran Umum Rancangan Sistem	Error! Bookmark not defined.
3.2 Perancangan Sistem Minimum Arduino Nano.....	Error! Bookmark not defined.
3.3 Perancangan Perangkat Elektronika.....	Error! Bookmark not defined.
3.3.1 Catudaya sistem dan Motor DC	Error! Bookmark not defined.

3.3.2	Sensor Beban Loadcell	Error! Bookmark not defined.
3.3.2	Driver motor Embedded Module Series (EMS) 30 A H-Bridge	Error! Bookmark not defined.
3.4	Perancangan Aktuator	Error! Bookmark not defined.
3.5	Perancangan Mekanika Robot.....	Error! Bookmark not defined.
3.6	Perancangan Logika Fuzzy	Error! Bookmark not defined.
3.6.1	<i>Fuzzyfication</i>	Error! Bookmark not defined.
3.6.2	<i>Rule Inference</i>	Error! Bookmark not defined.
3.6.3	<i>Deffuzifikasi</i>	Error! Bookmark not defined.
BAB IV PENGUJIAN DAN ANALISA		Error! Bookmark not defined.
4.1	Pengujian Pembacaan sensor	Error! Bookmark not defined.
4.2	Pengujian Driver Motor EMS <i>H-Bridge</i>	Error! Bookmark not defined.
4.3	Pengujian Sistem Kontrol <i>Fuzzy Logic</i>	Error! Bookmark not defined.
4.4	Pengujian Keandalan Perangkat Mikrokontroler Dalam Menjalankan Sistem Kontrol <i>Fuzzy Logic</i>	Error! Bookmark not defined.
4.5	Pengujian kecepatan alat terhadap jarak	Error! Bookmark not defined.
4.6	Pengujian ketahanan catu daya yang digunakan	Error! Bookmark not defined.
BAB V KESIMPULAN		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 A.....		43
LAMPIRAN B.....		44