

DAFTAR GAMBAR

Gambar II-1: Diagram Fungsi Sistem	5
Gambar II-2: Robot AUMR.....	6
Gambar II-3: Proses Fuzzy Logic Controller	7
Gambar II-4: Diagram fungsi keanggotaan segitiga fuzzy	8
Gambar II-5: Diagram fungsi keanggotaan trapesium fuzzy	8
Gambar II-6: <i>Differential Drive Kinematics</i>	9
Gambar II-7: <i>Forward Kinematics for Differential Drive</i>	11
Gambar II-8: Sensor Magnet MGS1600GY.....	11
Gambar II-9: Sistem kerja rotary encoder.....	13
Gambar II-10: Mikrokontroler ATmega 2566	14
Gambar III-1: Diagram Blok Sistem.....	15
Gambar III-2: Diagram Blok Kontrol Posisi Robot	16
Gambar III-3: Diagram Alir Sistem Utama	17
Gambar III-4: Diagram Alir Proses	18
Gambar III-5: Desain Mekanisme Robot AUMR	19
Gambar III-6: Mikrokontroler Arduino Mega	19
Gambar III-7: Magnetic Sensor MGS1600GY	20
Gambar III-8: Incremental Rotary Encoder	21
Gambar III-9: Driver Motor BTS7960	22
Gambar III-10: Motor DC K9D60N2	22
Gambar III-11: Aki 12V 18Ah	23
Gambar III-12: Aki 12V 70Ah	24
Gambar III-13: Inverter 900VA Input 12V	25
Gambar III-14: DC to DC UBEC 5V 3A	25
Gambar III-15: Relay 5V 2 Channel	26
Gambar III-16: FlySky FS-I6S	27
Gambar III-17: Output Nilai Sensor	28
Gambar III-18: Fungsi Keanggotaan error (e)	28
Gambar III-19: Fungsi Keanggotaan delta error (Δe)	29
Gambar III-20: Fungsi Keanggotaan keluaran PWM	29