DAFTAR ISI

LEMBAR PENGESAHAN ..... Error! Bookmark not defined.

LEMBAR PERNYATAAN ..... Error! Bookmark not defined.

ABSTRAK ..... Error! Bookmark not defined.

KATA PENGANTAR ..... Error! Bookmark not defined.

DAFTAR ISI **1**

DAFTAR GAMBAR ..... Error! Bookmark not defined.

DAFTAR TABEL ..... Error! Bookmark not defined.

BAB I ..... Error! Bookmark not defined.

PENDAHULUAN ..... Error! Bookmark not defined.

1.1 Latar Belakang ..... **Error! Bookmark not defined.**

1.2 Maksud Dan Tujuan ..... **Error! Bookmark not defined.**

1.3 Batasan Masalah ..... **Error! Bookmark not defined.**

1.4 Metode Penelitian ..... **Error! Bookmark not defined.**

1.5 Sistematika Penulisan ..... **Error! Bookmark not defined.**

BAB II ..... Error! Bookmark not defined.

TEORI PENUNJANG ..... Error! Bookmark not defined.

2.1 Mobile Robot ..... **Error! Bookmark not defined.**

2.2 Perangkat Keras (*Hardware*) ..... **Error! Bookmark not defined.**

2.2.1 Mini Router TP-Links MR3020 ..... **Error! Bookmark not defined.**

2.2.2 Webcam ..... **Error! Bookmark not defined.**

2.2.3 Flash Memory ..... **Error! Bookmark not defined.**

2.2.4 USB Hub ..... **Error! Bookmark not defined.**

2.2.5 Mikrokontroller ATmega8535 ..... **Error! Bookmark not defined.**

2.2.6 Sensor Ultrasonik ..... **Error! Bookmark not defined.**

2.2.7 Motor Servo .....**Error! Bookmark not defined.**

2.2.8 Motor DC.....**Error! Bookmark not defined.**

2.2.9 Motor Driver.....**Error! Bookmark not defined.**

2.2.10 LCD (*Liquid Crystal Display*) .....**Error! Bookmark not defined.**

2.2.11 Catu Daya .....**Error! Bookmark not defined.**

2.3 Perangkat Lunak (*Software*) .....**Error! Bookmark not defined.**

2.3.1 BascomAVR .....**Error! Bookmark not defined.**

2.3.2 WinSCP .....**Error! Bookmark not defined.**

2.3.3 PuTTy .....**Error! Bookmark not defined.**

2.4 OpenWrt .....**Error! Bookmark not defined.**

2.4.1 Bahasa Pemograman Untuk Aplikasi CGI**Error! Bookmark not defined.**

2.4.2 Common Gateway Interface (CGI)...**Error! Bookmark not defined.**

2.5 Pemograman Web.....**Error! Bookmark not defined.**

2.5.1 HyperText Transfer Protocol (HTTP)**Error! Bookmark not defined.**

2.5.2 HyperText Markup Language (HTML)**Error! Bookmark not defined.**

2.5.3 JavaScript.....**Error! Bookmark not defined.**

2.5.4 Cascading Style Sheet (CSS).....**Error! Bookmark not defined.**

2.5.5 Web Browser .....**Error! Bookmark not defined.**

2.6 Wireless .....**Error! Bookmark not defined.**

2.6.1 WiFi .....**Error! Bookmark not defined.**

2.7 Client Server.....**Error! Bookmark not defined.**

2.8 Topologi Jaringan.....**Error! Bookmark not defined.**

2.8.1 Jaringan Local Area Network (LAN)**Error! Bookmark not defined.**

2.9 Komunikasi Serial .....**Error! Bookmark not defined.**

BAB III.....Error! Bookmark not defined.

PERANCANGAN SISTEM .....Error! Bookmark not defined.

3.1 Perancangan Secara Umum ..... **Error! Bookmark not defined.**

3.2 Perancangan Perangkat Keras..... **Error! Bookmark not defined.**

3.2.1 Mikrokontroler ATmega8535..... **Error! Bookmark not defined.**

3.2.2 Driver Motor ..... **Error! Bookmark not defined.**

3.2.3 Sensor Ultrasonik..... **Error! Bookmark not defined.**

3.2.4 Catu Daya ..... **Error! Bookmark not defined.**

3.3 Perancangan Perangkat Lunak..... **Error! Bookmark not defined.**

3.3.1 Algoritma Sistem Utama ..... **Error! Bookmark not defined.**

3.3.1.1 Algoritma Kendali Motor. **Error! Bookmark not defined.**

3.3.1.2 Algoritma Sensor Ultrasonik **Error! Bookmark not defined.**

3.3.1.3 Algoritma Motor Servo .... **Error! Bookmark not defined.**

BAB IV ..... Error! Bookmark not defined.

HASIL PENGUJIAN DAN ANALISA ..... Error! Bookmark not defined.

4.1 Pengujian Perangkat Keras ..... **Error! Bookmark not defined.**

4.1.1 Pengujian Sensor Ultrasonik..... **Error! Bookmark not defined.**

4.1.2 Pengujian Arah Robot..... **Error! Bookmark not defined.**

4.1.3 Pengujian Arah Kamera..... **Error! Bookmark not defined.**

4.2 Pengujian Perangkat Lunak ..... **Error! Bookmark not defined.**

4.2.1 Pengujian Aplikasi Website..... **Error! Bookmark not defined.**

BAB V..... 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.