

DAFTAR GAMBAR

	Halaman
Gambar 2.1. Mikrokontroler	8
Gambar 2.2. Blok Diagram Arduino Uno R3	13
Gambar 2.3. <i>Board</i> Arduino Uno R3	14
Gambar 2.4. USB Type B	15
Gambar 2.5. <i>Breadboard</i>	16
Gambar 2.6. Cara Kerja Sensor Ultrasonik.....	16
Gambar 2.7. Sensor Ultrasonik HC-SR04.....	17
Gambar 2.8. LCD <i>Display</i> 16x2.....	18
Gambar 2.9. I2C <i>Module</i>	19
Gambar 2.10. Motor Servo.....	19
Gambar 2.11. Frekuensi PWM.....	20
Gambar 2.12. Buzzer.....	21
Gambar 2.13. Struktur Buzzer.....	22
Gambar 2.14. Aplikasi Baterai pada Arduino Uno R3.....	24
Gambar 2.15. Tampilan Arduino IDE.....	26
Gambar 2.16. Tampilan Fritzing	30
Gambar 3.1. <i>Work Breakdown Structure</i>	45
Gambar 3.2. Struktur Tim Proyek.....	52
Gambar 4.1. <i>Use Case</i> Diagram.....	60
Gambar 4.2. <i>Activity</i> Diagram Masuk Garasi.....	63
Gambar 4.3. <i>Activity</i> Diagram Keluar Garasi.....	64
Gambar 4.4. <i>Deployment</i> Diagram.....	68
Gambar 4.5. <i>Component</i> Diagram 1.....	69
Gambar 4.6. <i>Component</i> Diagram 2.....	69
Gambar 4.7. <i>Flowchart</i> <i>Input</i>	70
Gambar 4.8. <i>Flowchart</i> Proses.....	72
Gambar 4.9. <i>Flowchart</i> <i>Output</i>	74
Gambar 4.10. Rancangan Sensor Ultrasonik	76

Gambar 4.11. <i>Sketch Code</i> Sensor Ultrasonik	77
Gambar 4.12. Tombol Serial Monitor	78
Gambar 4.13. Serial Monitor	78
Gambar 4.14. Rancangan Motor Servo	79
Gambar 4.15. <i>Sketch Code</i> Motor Servo	79
Gambar 4.16. Rancangan LCD Display	80
Gambar 4.17. <i>Sketch Code</i> LCD Display	81
Gambar 4.18. Rancangan Buzzer	81
Gambar 4.19. <i>Sketch Code</i> Buzzer	82
Gambar 4.20. Rancangan Garasi Pintar	82
Gambar 4.21. <i>License Agreement</i>	84
Gambar 4.22. <i>Installation Option</i>	84
Gambar 4.23. <i>Installation Folder</i>	85
Gambar 4.24. Proses <i>Installing</i>	85
Gambar 4.25. <i>Install Complete</i>	86
Gambar 4.26. Maket <i>Prototype</i> Garasi Pintar	87
Gambar 4.27. Letak Sensor Ultrasonik Depan	87
Gambar 4.28. Letak Sensor Ultrasonik Belakang	88
Gambar 4.29. Letak Motor Servo	88
Gambar 4.30. Letak <i>LCD Display</i>	89
Gambar 4.31. Letak Buzzer	90
Gambar 4.32. Letak Arduino Uno R3	90