

DAFTAR GAMBAR

| | |
|---|----|
| Gambar 2. 1 Komponen Mikrokontroler | 5 |
| Gambar 2. 2 <i>Software</i> Android Studio..... | 6 |
| Gambar 2. 3 <i>Solar Cell</i> | 7 |
| Gambar 2. 4 Multiplexer 74HC4067 | 9 |
| Gambar 2. 5 Sensor Tegangan | 10 |
| Gambar 2. 6 Sensor Arus | 10 |
| Gambar 2. 7 Sensor LDR | 11 |
| Gambar 2. 8 Sensor Kompas..... | 11 |
| Gambar 3. 1 Blok Gambar Sistem Keseluruhan | 12 |
| Gambar 3. 2 <i>Flowchart</i> Sistem | 13 |
| Gambar 3. 3 <i>Flowchart</i> sistem <i>Monitoring</i> | 14 |
| Gambar 3. 4 <i>Flowchart</i> Sistem Kontrol Otomatis | 15 |
| Gambar 3. 5 <i>Flowchart</i> Sistem Kontrol Manual..... | 16 |
| Gambar 3. 6 <i>Flowchart</i> Sensor Arus..... | 17 |
| Gambar 3. 7 <i>Flow chart</i> Sensor Tegangan | 17 |
| Gambar 3. 8 <i>Flowchat</i> Kerja Sensor Kompas..... | 18 |
| Gambar 3. 9 Rancangan <i>Hardware</i> | 18 |
| Gambar 3. 10 <i>Schematic</i> Rangkaian | 20 |
| Gambar 3. 11 Gambar Perancangan Software | 21 |
| Gambar 3. 12 <i>Use Case Diagram</i> | 23 |
| Gambar 3. 13 <i>Data Flow Diagram</i> | 24 |
| Gambar 3. 14 Desain <i>Layout</i> | 25 |
| Gambar 3. 15 Tampilan Aplikasi | 26 |
| Gambar 3. 16 Menu Monitor | 27 |
| Gambar 3. 17 Menu Kontrol | 27 |
| Gambar 3. 18 Menu <i>Maps</i> | 28 |
| Gambar 3. 19 Struktur <i>Database</i> | 29 |
| Gambar 4. 1 Skenario Pengujian..... | 30 |
| Gambar 4. 2 Grafik perbandingan Arus 4 WP Timur..... | 32 |
| Gambar 4. 3 Grafik perbandingan tegangan 4 WP Timur | 32 |

| | |
|--|----|
| Gambar 4. 4 Grafik Perbandingan Arus 4 WP Otomatis | 34 |
| Gambar 4. 5 Grafik Perbandingan Tegangan..... | 35 |
| Gambar 4. 6 Interagrasi Aplikasi dengan Database | 37 |