

## DAFTAR GAMBAR

Figure 3-1 Diagram fungsi.....	17
Figure 3-2 Desain Solusi 1 .....	19
Figure 3-3 Desain Solusi 2 .....	20
Figure 3-4 Desain solusi 3 .....	22
Figure 3-5 Diagram blok level 0.....	25
Figure 3-6 Diagram blok level 1.....	26
Figure 3-7 Diagram blok level 2.....	28
Figure 3-8 Wiring diagram sistem.....	29
Figure 3-9 Flowcharge System Discharging .....	30
Figure 3-10 Flowcharge System Charging .....	30
Figure 3-11Timeline pengerjaan.....	36
Figure 4-1Rangkaian Baterai 4 seri .....	38
Figure 4-2 Wiring baterai dengan BMS .....	38
Figure 4-3 Wiring modul monitoring baterai .....	44
Figure 4-4 Implementasi modul monitoring baterai .....	45
Figure 4-5Wiring sistem pengubah daya.....	48
Figure 4-6 Implementasi sistem pengubah daya pada alat .....	49
Figure 4-7 Gelombang keluaran inverter.....	52
Figure 4-8 Wiring battery charge. ....	53
Figure 4-9 Implementasi battery charge pada alat.....	54
Figure 4-10 Grafik arus dan tegangan pengisian.....	56
Figure 4-11Cover box produk .....	57
Figure 4-12 Pengukuran panjang.....	58
Figure 4-13 Pengukuran lebar produk .....	58
Figure 4-14 Pengukuran tinggi produk.....	59
Figure 4-15Pengukuran berat produk .....	59
Figure 4-16 Implementasi komponen pada cover box .....	60
Figure 4-17 Wiring sitem kemanan .....	61
Figure 4-18Integrasi seluruh sub-sistem.....	65
Figure 5-1 Voltase baterai terhadap arus pengisian.....	75
Figure 5-2 Kondisi tombol darurat tidak aktif.....	77

Figure 5-3Kondisi tombol darurat aktif .....78