

DAFTAR GAMBAR

Gambar 2. 1 Internet of Things	15
Gambar 2. 2 Mikrokontroler	15
Gambar 2. 3 Longe Range	16
Gambar 3. 1 Flowchart Pengerjaan Sistem.....	20
Gambar 3. 2 Arsitektur Sistem.....	21
Gambar 3. 3 Blok Diagram Transmitter	23
Gambar 3. 4 Blok Diagram Receiver	24
Gambar 3. 5 Transmitter System Design.....	27
Gambar 3. 6 Skematik Transmitter	28
Gambar 3. 7 Flowchart Transmitter.....	29
Gambar 3. 8 Pin ESP32	33
Gambar 3. 9 Receiver System Design.....	39
Gambar 3. 10 Flowchart Receiver.....	40
Gambar 3. 11 Flowchart Receiver.....	41
Gambar 3. 12 Flowchart Dashboard MQTT.....	46
Gambar 3. 13 Pembuatan Aplikasi	47
Gambar 3. 14 Pembuatan Device Template	48
Gambar 3. 15 Payload Device Templates	48
Gambar 3. 16 Pembuatan Device Baru.....	49
Gambar 3. 17 Payload Publish.....	49
Gambar 3. 18 Monitoring Widget	50
Gambar 3. 19 Tampilan Dashboard MQTT.....	50
Gambar 4. 1 Hasil Pengujian Sensor Wind Speed.....	60
Gambar 4. 2 Hasil Pengujian Sensor Wind Direction	62