

## DAFTAR GAMBAR

Gambar 2. 1 ilustrasi Internet of Things .....	5
Gambar 2. 2 ESP-32 .....	9
Gambar 2. 3 sensor DHT22 .....	10
Gambar 2. 4 Robotdyn LDR Module .....	10
Gambar 2. 5 Sensor Soil Moisture .....	11
Gambar 2. 6 Waterpump 5volt.....	11
Gambar 2. 7 Relay 4 Module .....	12
Gambar 2. 8 UltraSonic HC-SR 04 .....	12
Gambar 2. 9 Arduino IDE.....	13
Gambar 2. 10 Firebase .....	13
Gambar 2. 11 Wireshark .....	14
Gambar 3. 1 Desain Sistem.....	16
Gambar 3. 2 Flowchart Sistem.....	17
Gambar 3. 3 Design Perangkat Keras.....	19
Gambar 3. 4 Tampak dalam greenhouse .....	19
Gambar 4. 1 Hasil pengujian delay .....	31
Gambar 4. 2 Hasil Pengujian throughput.....	32