

DAFTAR GAMBAR

Gambar 2. 1 <i>Waterbath</i>	6
Gambar 2. 2 Proses Logika Fuzzy	9
Gambar 2. 3 Proses Kontrol PID.....	9
Gambar 2. 4 Proses Kontrol Fuzzy-PID	12
Gambar 2. 5 Sensor Thermokopel tipe K.....	13
Gambar 2. 6 Arduino Mega 2560.....	14
Gambar 2. 7 LCD TFT Nextion	15
Gambar 2. 8 Thermostat.....	16
Gambar 2. 9 <i>Water level</i>	16
Gambar 2. 10 <i>Heater</i>	17
Gambar3. 1 Diagram Blok Alat	18
Gambar3. 2 Blok diagram alir.....	19
Gambar3. 3 Diagram mekanis.....	20
Gambar 4. 1 Bagian Depan Modul <i>Waterbath</i>	27
Gambar 4. 2 Bagian Belakang Modul <i>Waterbath</i>	27
Gambar 4. 3 Thermometer HTC-2.....	28
Gambar 4. 4 <i>Output</i> tiap sensor.....	33
Gambar 4. 5 tegangan input SSR	33
Gambar 4. 6 <i>input</i> dan <i>Output</i> arduino.....	34
Gambar 5. 1 Rangkaian <i>Driver</i> SSR <i>Heater</i>	35
Gambar 5. 2 Rangkaian Komunikasi Serial Nexion	36