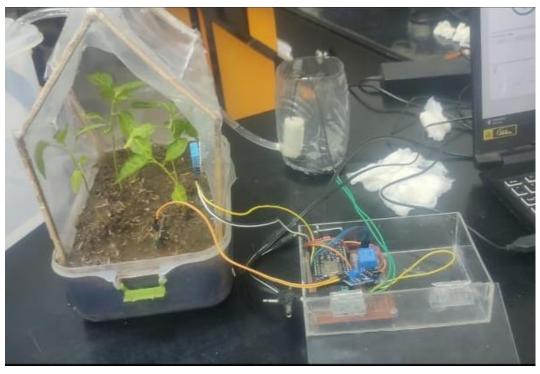
LAMPIRAN GAMBAR ALAT

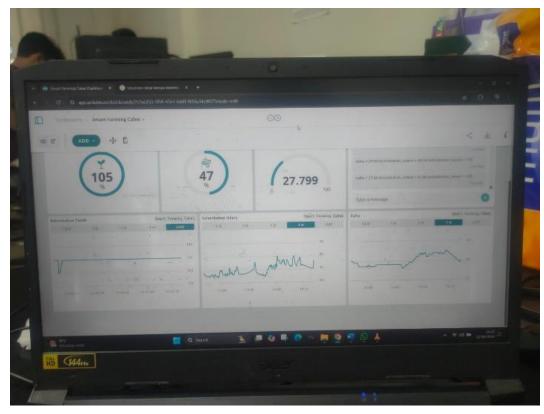


L. 1 Bagian Dalam Green House



L. 2 Bagian Luar Green House

LAMPIRAN 2 TAMPILAN ARDUINO CLOUD



L. 3 Tampilan Website

LAMPIRAN 3 LISTING PROGRAM

```
#include "thingProperties.h"
#include "DHT.h"
#define relayPin D3
#define wet 0
#define dry 1023
#define DHTpin 2 // D4 on the nodemcu ESP8266
#define DHTTYPE DHT11
DHT dht(DHTpin, DHTTYPE);
void setup() {
// Inisialisasi serial port
 Serial.begin(9600);
 // delay untuk serial monito r
 delay(1500);
 pinMode(relayPin, OUTPUT);
 digitalWrite(relayPin, HIGH);
 // Defined in thingProperties.h
 initProperties();
 // Hubungkan ke Arduino IoT Cloud
 ArduinoCloud.begin(ArduinoIoTPreferredConnection);
 /*
  The following function allows you to obtain more information
  related to the state of network and IoT Cloud connection and errors
  the higher number the more granular information you'll get.
```

```
The default is 0 (only errors).
  Maximum is 4
 setDebugMessageLevel(2);
 ArduinoCloud.printDebugInfo();
void loop() {
 ArduinoCloud.update();
// Your code here
 onMsgChange();
 onKelembabanUdaraChange();
 onSuhuChange();
 onRelayChange();
 onKelembabanTanahChange();
}
void onMsgChange() {
// Do something
msg = "suhu = " + String (suhu) + " kelembaban_udara = " +
String(kelembaban_udara) + " kelembaban_tanah = " + String(kelembaban_tanah);
}
void onSuhuChange() {
float temp = dht.readTemperature();
 Serial.print("suhu ");
 Serial.println(temp);
 suhu = temp;
}
 Since Relay is READ_WRITE variable, onRelayChange() is
executed every time a new value is received from IoT Cloud.
*/
void onRelayChange() {
```

```
if (kelembaban_tanah < 60) {
  digitalWrite(relayPin, LOW);
 else if (kelembaban_tanah > 80) {
  digitalWrite(relayPin, HIGH);
}
/*
 Since
             KelembabanUdara
                                     is
                                              READ_WRITE
                                                                     variable,
onKelembabanUdaraChange() is
executed every time a new value is received from IoT Cloud.
*/
void onKelembabanUdaraChange() {
// Add your code here to act upon KelembabanUdara change
 float hm = dht.readHumidity();
 Serial.print("kelembaban_udara");
 Serial.println(hm);
 kelembaban_udara = hm;
 Since
             KelembabanTanah
                                      is
                                              READ_WRITE
                                                                     variable,
onKelembabanTanahChange() is
 executed every time a new value is received from IoT Cloud.
*/
void onKelembabanTanahChange() {
// Add your code here to act upon KelembabanTanah change
 kelembaban_tanah = analogRead(A0);
 kelembaban_tanah = map(kelembaban_tanah, 476, 1023, 100, 0);
 Serial.print("Persentase Kelembaban Tanah: ");
 Serial.print(kelembaban_tanah);
 Serial.println("%");
}
```