LISTING PROGRAM

#include <ESP8266WiFi.h>

#define BLYNK\_PRINT Serial

#include <BlynkSimpleEsp8266.h>

#include <SimpleTimer.h>

#include "DHT.h"

#define DHTTYPE DHT11

#define dht\_dpin 16

char auth[] = "kxvGoC8RBPAA\_-yoXnn4GwoaRcQ9d2LM";

char ssid[] = "Redmi Ade";

char pass[] = "Ade1202";

DHT dht(dht\_dpin, DHTTYPE);

SimpleTimer timer;

int sensor = A0;

int suhu, dataanalog ;

int kelembaban;

int relay\_pompa = 2;

void setup()

{

Serial.begin(115200);

Blynk.begin(auth, ssid, pass);

timer.setInterval(2000L, getSendData);

pinMode(relay\_pompa, OUTPUT);

digitalWrite ( relay\_pompa, HIGH);

}

void loop()

{

dataanalog = analogRead(sensor);

kelembaban = dht.readHumidity() +6;

suhu = dataanalog / 10.20;

Serial.print("suhu : ");

Serial.println(suhu);

Serial.print("kelembaban : ");

Serial.println(kelembaban);

delay (2000);

timer.run(); // Initiates SimpleTimer

Blynk.run();

}

void getSendData()

{

Blynk.virtualWrite(V1, suhu);

Blynk.virtualWrite(V2, kelembaban);

if (suhu > 28 and kelembaban < 80){

Blynk.notify(" Ruangan panas Kipas ON!!!");

digitalWrite(relay\_pompa, LOW);

}

else {

digitalWrite(relay\_pompa, HIGH);

}

}