**Codes Program**

Kipas Angin Otomatis Berbasis Mikrokontroler dengan Sensor Suhu DHT11 dan LCD+I2C

|  |
| --- |
| #include <LiquidCrystal\_I2C.h>  #include <DHT.h>  LiquidCrystal\_I2C lcd (0x27, 16, 2);  DHT dht (2, DHT11);  #define kipas 5  void setup()  {    Serial.begin (9600);    pinMode (kipas, OUTPUT);    dht.begin();    lcd.backlight();    lcd.begin (16, 2);    lcd.setCursor (1, 0);    lcd.print ("KIPAS OTOMATIS");  }  void loop()  {    delay (2000);      float suhu = dht.readTemperature();    float kelembaban = dht.readHumidity();    if (isnan (suhu) || isnan (kelembaban)){      Serial.print (F ("gagal membaca data dht sensor"));      return;    }    lcd.clear();    lcd.setCursor (0, 0);    lcd.print (("Suhu : "));    lcd.print (suhu, 1);    lcd.print (" C");    lcd.setCursor(0, 1);    lcd.print("Lembab : ");    lcd.print(kelembaban, 1); // Print one decimal place    lcd.print(" %");    delay (1000);    Serial.print ("Suhu : ");    Serial.print (suhu);    Serial.print (" C");    delay (1000);    if (suhu > 25.00){      lcd.clear();      digitalWrite (kipas, LOW);      lcd.print ("KIPAS : ON");    }    else {      lcd.clear();      digitalWrite (kipas, HIGH);      lcd.print ("KIPAS : OFF");    }  } |