#include<DHT.h>

#define DHTPIN 21

#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

void setup() {

// initialize digital pin LED\_BUILTIN as an output.

Serial.begin(9600);

dht.begin();

Serial.println("Check DHT Sensor");

}

float temperatureFrh = 0;

float temperature = 0;

float temperatureTmp = 0;

float humidityTmp = 0;

int counter = 0;

int counter2 = 0;

// the loop function runs over and over again forever

void loop() {

delay(1000);

temperature = dht.readTemperature();

temperatureFrh = (temperature\*(9/5))+32;

float humidity = dht.readHumidity();

if(isnan(humidity) || isnan(temperature)){

Serial.println("Failed to load/read from DHT sensor");

return;

}

//float hic = dht.computeHeatIndex(temperature, humidity, false);

if(counter2%5 == 0){

Serial.println("");

Serial.print("Kelembapan ");

Serial.print("Temperature ");

Serial.print("Temperature ");

Serial.println("");

Serial.print(" % ");

Serial.print(" Celcius ");

Serial.print(" Farenheit ");

Serial.println("");

}

if(temperatureTmp != temperature && humidityTmp != humidity){

Serial.println("");

Serial.print(" ");

Serial.print(humidity);

Serial.print(" ");

Serial.print(temperature);

Serial.print(" ");

Serial.print(temperatureFrh);

Serial.println("");

}else{

if(counter<20){

Serial.print(".");

}

}

if(counter == 20){counter=0;}

temperatureTmp = temperature;

humidityTmp = humidity;

counter++;

counter2++;

delay(1000);

}

