



 

#include <TelegramCertificate.h>

#include <UniversalTelegramBot.h>

#include <WiFiClientSecure.h>

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27, 16, 2);

const int pinSensorGas = D5;

const int pinBuzzer = D7;

boolean bacaSensor;

int batas\_LPG = 200;

#include <ESP8266WiFi.h>

const char \*ssid = "Just R"; //ganti nama wifi

const char \*pass = "asdfgh123";//ganti password

#define BOTtoken "5075643213:AAECfpDfKbWdk0eja6bweF1iHoUcwMMD1Ek"

#define chat\_id "1041951689"

WiFiClientSecure client;

UniversalTelegramBot bot(BOTtoken, client);

void setup() {

pinMode(pinSensorGas, INPUT);

pinMode(pinBuzzer, OUTPUT);

digitalWrite(pinBuzzer, HIGH);

lcd.begin();

lcd.setCursor(0, 0);

lcd.print("Alat Pendeteksi");

lcd.setCursor(0, 1);

lcd.print("Kebocoran gas");

delay(1500);

lcd.clear();

lcd.setCursor(0, 0);

lcd.print("Ready.....");

delay(1500);

Serial.begin(9600);

delay(10);

WiFi.begin(ssid, pass);

while (WiFi.status() != WL\_CONNECTED)

{

delay(500);

}

}

void loop()

{

// membaca data sensor

bacaSensor = digitalRead(pinSensorGas);

// jika terdeteksi gas

// terbaca output sensor "0" atau logic HIGH

if (bacaSensor == 0)

{

// buzzer menyala

digitalWrite(pinBuzzer, HIGH);

if (bacaSensor == 0){

bot.sendChatAction (chat\_id, " Sedang Mengetik...");

Serial.println ("KEBOCORAN GAS TERDETEKSI");

Serial.print ("Harap Waspada!");

delay (1000);

}

lcd.clear();

lcd.setCursor(0, 0);

lcd.print("Gas Bocor");

lcd.setCursor(0, 1);

lcd.print("Terdeteksi...!!!");

delay(100);

// buzzer dimatikan

digitalWrite(pinBuzzer, LOW);

}

// jika tidak terdeteksi gas

// terbaca output sensor "1" atau logic LOW

else if (bacaSensor == 1)

{

// buzzer dimatikan

digitalWrite(pinBuzzer, LOW);

// menulis pada lcd

lcd.clear();

lcd.setCursor(0, 0);

lcd.print("Tidak Ada");

lcd.setCursor(0, 1);

lcd.print("Kebocoran Gas");

delay(100);

}

}