1. <https://youtu.be/cmL7QgTNv7M?si=9J4_7mAFtSgwZmdm>

#include <MQ2.h>

#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

//I2C pins declaration

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

int Analog\_Input = A0;

int lpg, co, smoke;

MQ2 mq2(Analog\_Input);

void setup(){

Serial.begin(9600);

lcd.begin();//Defining 16 columns and 2 rows of lcd display

lcd.backlight();

mq2.begin();

}

void loop(){

float\* values= mq2.read(true); //set it false if you don't want to print the values in the Serial

//lpg = values[0];

lpg = mq2.readLPG();

//co = values[1];

co = mq2.readCO();

//smoke = values[2];

smoke = mq2.readSmoke();

lcd.setCursor(0,0);

lcd.print("LPG:");

lcd.print(lpg);

lcd.print(" CO:");

lcd.print(co);

lcd.setCursor(0,1);

lcd.print("SMOKE:");

lcd.print((smoke\*100)/1000000);

lcd.print(" %");

delay(1000);

}

2. <https://youtu.be/pF7xslWYlwE?si=qWiCOMXyJoNRGcOX>

#include <FirebaseESP32.h>

#include <WiFi.h>

#define FIREBASE\_HOST "https://deteksi-asap-mq2-lawlaw-elc-default-rtdb.firebaseio.com/"

#define FIREBASE\_AUTH "chH5OCJQ9oSiPmKkJA3QKbtesceoYBB2U9cApdDb"

#define WIFI\_SSID "LAWLAW ELC"

#define WIFI\_PASSWORD "tolongsubcribe"

FirebaseData fbdo; //fbdo adalah variabel.

#define PinDigital 4 // mendefinisikan pin yang digunakan adalah pin Digital

int NilaiDigital;

void setup() {

Serial.begin(9600);

pinMode(PinDigital, INPUT); //mode pada pin D4 dijadikan sebagai input

WiFi.begin(WIFI\_SSID, WIFI\_PASSWORD);

Serial.print("Menghubungkan Wi-Fi");

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

{

Serial.print(".");

delay(300);

}

Serial.println();

Serial.print("terhubung dengan WiFi IP: ");

Serial.println(WiFi.localIP());

Serial.println();

Firebase.begin(FIREBASE\_HOST, FIREBASE\_AUTH);

}

void loop() {

NilaiDigital = digitalRead(PinDigital); // membaca nilai digital

Serial.print("Nilai Output Digital = ");

Serial.println(NilaiDigital);

//Aktif LOW = Jika Ada Asap Maka Nilai nya 0 jika tidak ada Asap maka nilai Nya 1

//Proses Kirim Data

Firebase.setFloat(fbdo, "/Nilai\_Asap", NilaiDigital);

if(NilaiDigital==0){

Firebase.setString(fbdo, "/Kondisi", "Ada Asap");

} else {

Firebase.setString(fbdo, "/Kondisi", "Aman");

}

delay(1000);

}