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

#include <MQ2.h>

#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

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();

  lcd.backlight();

  mq2.begin();

}

void loop() {

  float\* values = mq2.read(true);

  lpg = mq2.readLPG();

  co = mq2.readCO();

  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;

#define PinDigital 4

int NilaiDigital;

void setup() {

  Serial.begin(9600);

  pinMode(PinDigital, 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);

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

  Serial.println(NilaiDigital);

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

  if (NilaiDigital == 0) {

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

  } else {

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

  }

  delay(1000);

}