

## LAMPIRAN

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Terapi_Infra_Red | Arduino 1.8.9
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//Terapi_Infra_Red - Noor_Ridha.M
#include <Adafruit_GFX.h>
#include <Adafruit_SSD1306.h>
#include <ESP8266WiFi.h>
#include <BlynkSimpleEsp8266.h>
#define BLYNK_PRINT Serial
#define OLED_RESET 0
Adafruit_SSD1306 OLED(OLED_RESET);
char auth[] = "02609b0b78c4f38974721bde1701445";
char ssid[] = "suka";
char pass[] = "87654321";

void setup()
{
  Serial.begin(115200);
  pinMode(D3, OUTPUT);
  Blynk.begin(auth, ssid, pass);
  OLED.begin();
  OLED.clearDisplay();
  OLED.setTextWrap(false);
  OLED.setTextSize(1);
  OLED.setTextColor(WHITE);
  OLED.setCursor(16,0);
  OLED.println("Terapi Infra Red");
  Serial.println("Terapi Infra Red");
  OLED.setTextSize(2);
  OLED.setTextColor(WHITE);
  OLED.setCursor(22,14);
  OLED.println("STANDBY");
  Serial.println("STANDBY");
  OLED.display();
}

Read resetting via RTS pin...
Invalid library found in C:\Program Files\Arduino\libraries\examples: no headers files (.h) found in C:\Program Files\Arduino\libraries\examples
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Lampiran 1 Listing Program

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Serial.println("STANDBY");
OLED.display();
}

void loop()
{
  Blynk.run();
  digitalWrite(D3, LOW);
  OLED.clearDisplay();
  OLED.setTextWrap(false);
  OLED.setTextSize(1);
  OLED.setTextColor(WHITE);
  OLED.setCursor(16,0);
  OLED.println("Terapi Infra Red");
  Serial.println("Terapi Infra Red");
  OLED.setTextSize(2);
  OLED.setTextColor(WHITE);
  OLED.setCursor(22,14);
  OLED.println("STANDBY");
  Serial.println("STANDBY");
  OLED.display();
}

BLYNK_WRITE(V1)
{
  int pinValue = param.asInt();
  for (int m=1; m<=pinValue; m++) //Jangan Diganti
  {
    OLED.clearDisplay();
    OLED.setTextWrap(false);
    OLED.setTextSize(2);
  }
}

Read resetting via RTS pin...
Invalid library found in C:\Program Files\Arduino\libraries\examples: no headers files (.h) found in C:\Program Files\Arduino\libraries\examples
Invalid library found in C:\Program Files\Arduino\libraries\examples: no headers files (.h) found in C:\Program Files\Arduino\libraries\examples
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Lampiran 2 Listing Program (Lanjutan)



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Terapi_Infra_Red | Arduino 1.8.9
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Terapi_Infra_Red $
BLINK_WRITE[0]
{
  int pinValue = param.asInt();
  for (int m=1; m<=pinValue; m++) //Jangan Digantri
  {
    OLED.clearDisplay();
    OLED.setTextWrap(false);
    OLED.setTextSize(2);
    OLED.setTextColor(WHITE);
    OLED.setCursor(32,10);
    OLED.println("START");
    Serial.println("START");
    OLED.display();
    delay(1000);
    for (int i=600; i>=1; i--) //Nilai 5 Detik Digantri Jadi 600 Detik (10 Menit).
    {
      digitalWrite(D3, HIGH);
      OLED.clearDisplay();
      OLED.setTextWrap(false);
      OLED.setTextSize(1);
      OLED.setTextColor(WHITE);
      OLED.setCursor(32,0);
      OLED.println("COUNT DOWN");
      Serial.println("COUNT DOWN");
      OLED.setTextSize(3);
      OLED.setTextColor(WHITE);
      OLED.setCursor(38,12); //Koordinat Angka.
      OLED.print(i);
      OLED.display();
      Serial.print(i);
      delay(1000);
    }
  }
}

Hard resetting via RTS pin...
Invalid library found in C:\Program Files\Arduino\libraries\examples: no headers files (.h) found in C:\Program Files\Arduino\libraries\examples
Invalid library found in C:\Program Files\Arduino\libraries\examples: no headers files (.h) found in C:\Program Files\Arduino\libraries\examples

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### Lampiran 3 Listing Program (Lanjutan)



Lampiran 4 Gambar Alat terapi Infrared