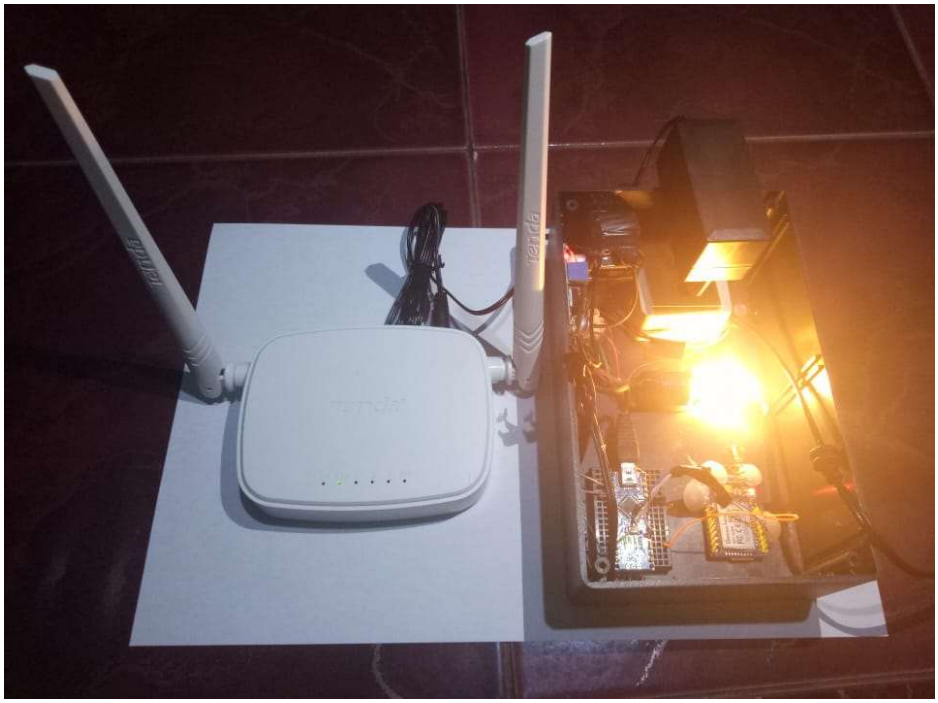
LAMPIRAN-LAMPIRAN TERKAIT PENGOLAHAN DATA

Lampiran 1. Script Upload Arduino Nano IDE.Exe

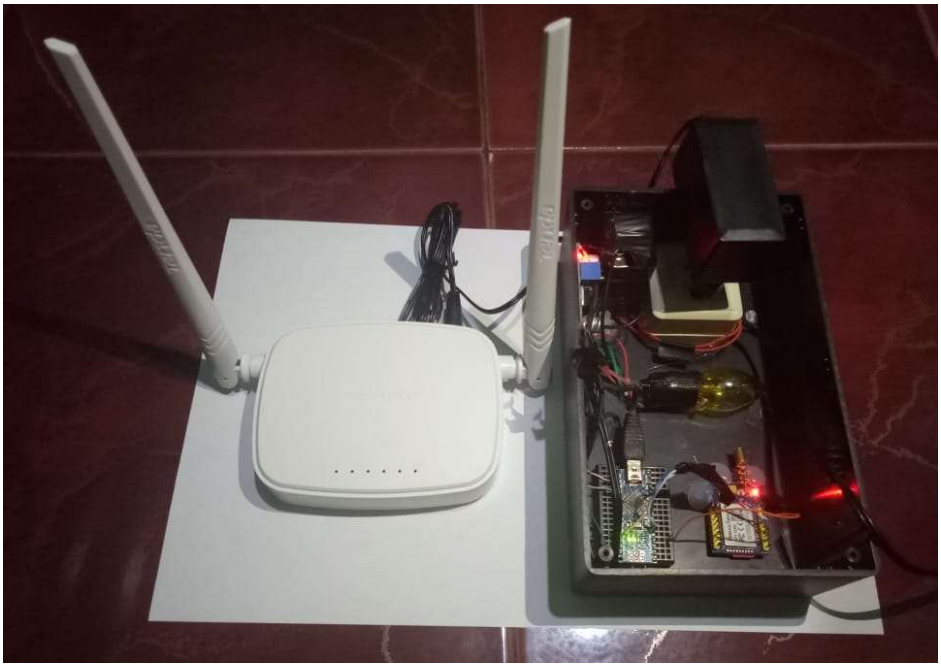
```
#include <SoftwareSerial.h>

SoftwareSerial mySerial(2, 3); // RX, TX


int sensor;          //variabel nilai intensitas sensor

int led = 13;

boolean stat = 0;

void setup() {

  Serial.begin(115200);

  Serial.println("DETEKSI ACCESS POINT");

  mySerial.begin(115200);

  pinMode(led, OUTPUT);

  pinMode(A0, INPUT);

}


void loop() {

  sensor = analogRead(A0);//membaca nilai sensor

  Serial.println(sensor); //tampilkan nilai sensor ke serial USB


  if (sensor >= 650) { //nilai dari sensor listrik untuk indentifikasi

    if (stat == 0) {

      digitalWrite(led, LOW);

      stat = 1;

    }

  }

  else {
```

```
    if (stat == 1) {
      digitalWrite(led, HIGH);
      //kirim sms
      Serial.println("Sets the GSM Module in Text Mode");
      mySerial.write("AT+CMGF=1\r\n");
      delay(5000);

      Serial.println("Set SMS ke Nomor Tujuan");
      mySerial.write("AT+CMGS=\"082247783156\"\r\n");
      delay(5000);
      Serial.println("Send SMS content");
      mySerial.write("LISTRIK MATI");
      delay(10000);
      Serial.println("Mengirim  Ctrl+Z");
      mySerial.write((char)26);
      delay(10000);
      stat = 0;
    }
  }

  delay(1000); //jeda
}
```

Lampiran 2. Kondisi Rangkaian Arduino Nano saat terhubung arus listrik



Lampiran 3. Kondisi Rangkaian Arduino Nano saat arus listrik putus



Lampiran 4. Informasi saat arus listrik putus via SMS