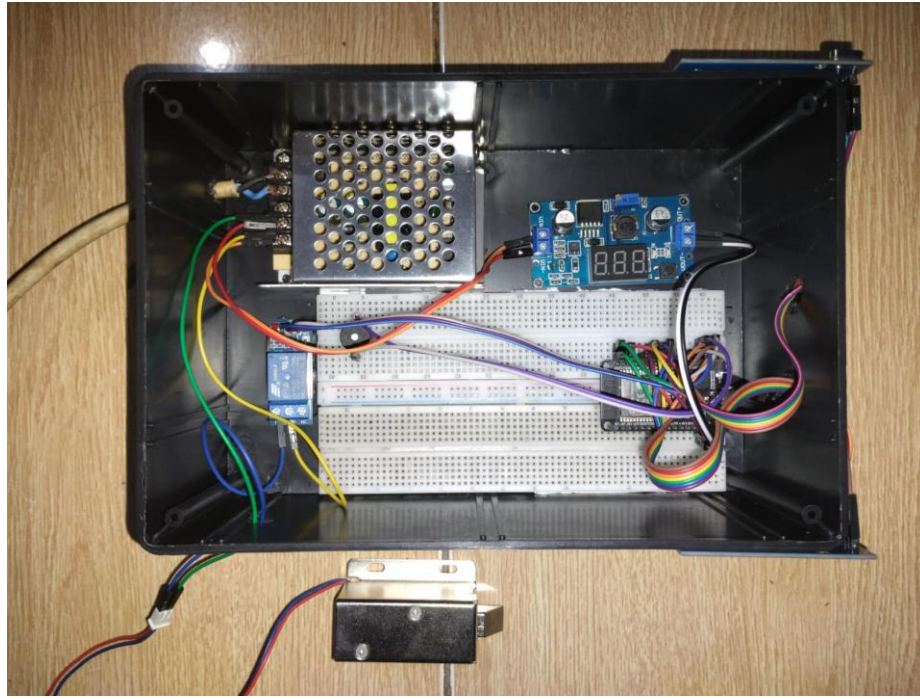


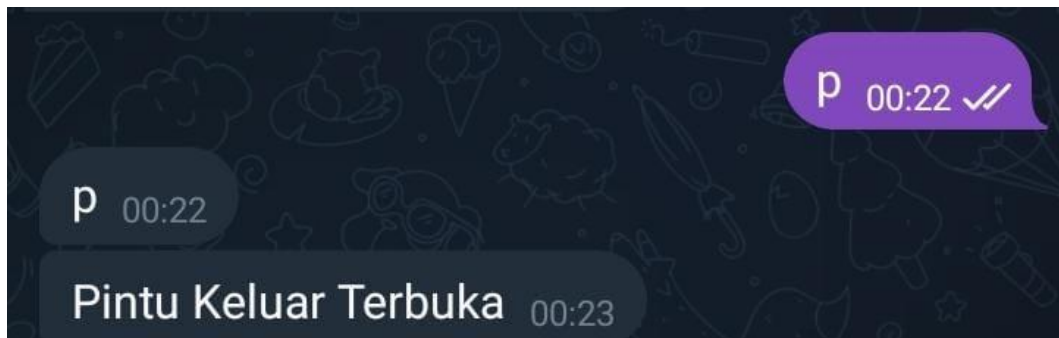
LAMPIRAN



Hasil Perancangan Alat



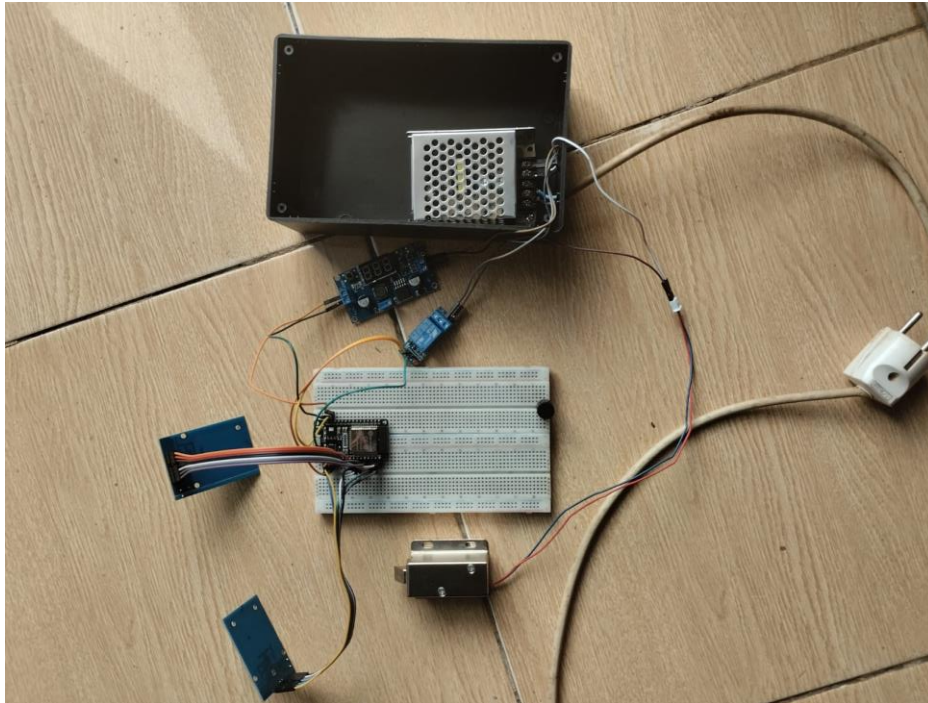
Notifikasi jika Pintu Masuk Terbuka



Notifikasi Jika Pintu Keluar Terbuka



Notifikasi KTP Yang Belum Terdaftar Mencoba Masuk



Proses Perancangan Hardware

Pemrograman Perancangan software Rancang bangun Buka Pintu Otomatis

```
IA_Update | Arduino 1.8.18
Berkas Sunting Sketch Alat Bantuan

IA_Update

#include "CTBot.h"
CTBot myBot;
// #include <WIFI.h>

String ssid = "Redmi 10C" ; // REPLACE mySSID WITH YOUR WIFI SSID
String pass = "12345678"; // REPLACE myPassword YOUR WIFI PASSWORD, IF ANY
String token = "7256952108:AAFINGlb11UrEffQ6S9RzxSxrXjLaRydhzI";
// const int id =;
long int id = 6157712217;

#include <SPI.h>
#include <MFRC522.h>

#define PIN_RST 22
#define PIN_SDA1 21

Solusi: mengunggah...

Leaving...
Hard resetting via RTS pin...
```

```
IA_Update | Arduino 1.8.18
Berkas Sunting Sketch Alat Bantuan

IA_Update

#include <SPI.h>
#include <MFRC522.h>

#define PIN_RST 22
#define PIN_SDA1 21
#define PIN_SDA2 5

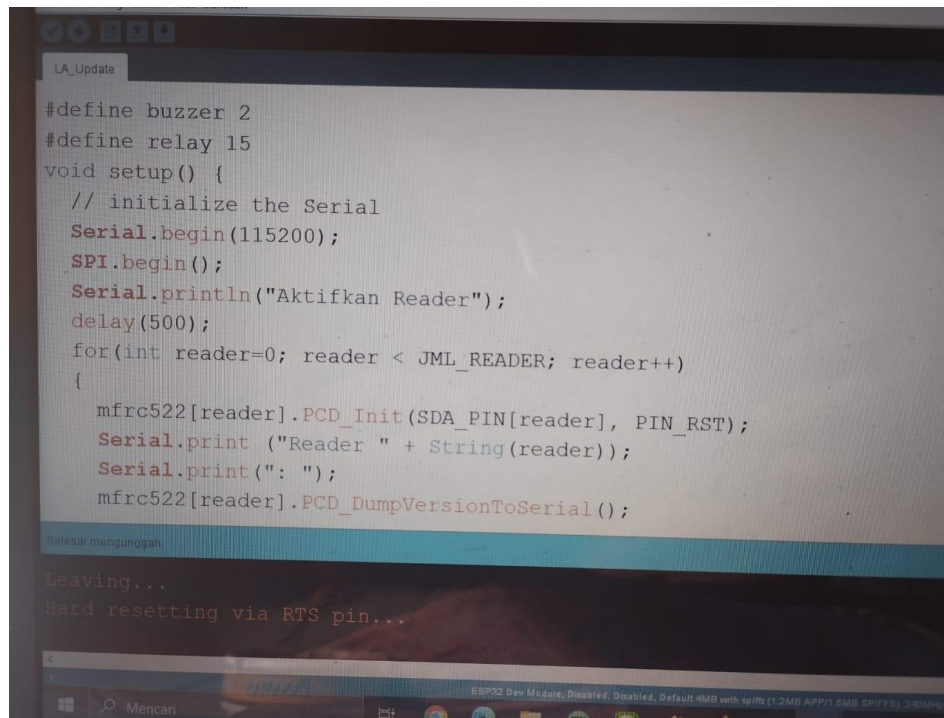
#define JML_READER 2

byte SDA_PIN[] = {PIN_SDA1, PIN_SDA2} ;
MFRC522 mfrc522[JML_READER];

#define buzzer 2
#define relay 15

Solusi: mengunggah...

Leaving...
Hard resetting via RTS pin...
```



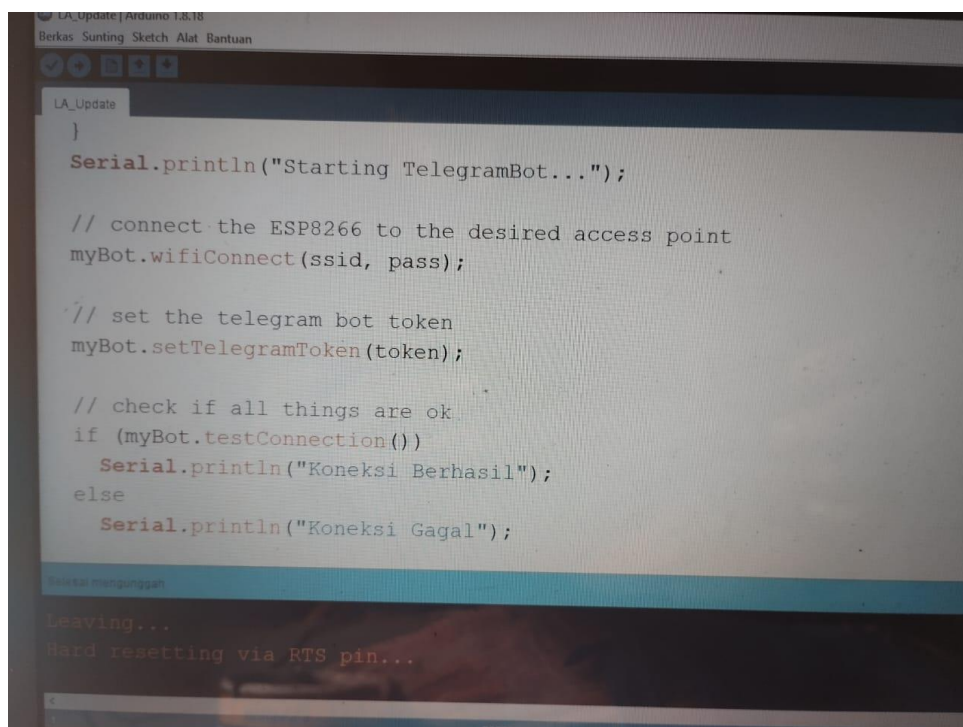
```
LA_Update

#define buzzer 2
#define relay 15
void setup() {
  // initialize the Serial
  Serial.begin(115200);
  SPI.begin();
  Serial.println("Aktifkan Reader");
  delay(500);
  for(int reader=0; reader < JML_READER; reader++)
  {
    mfc522[reader].PCD_Init(SDA_PIN[reader], PIN_RST);
    Serial.print ("Reader " + String(reader));
    Serial.print(": ");
    mfc522[reader].PCD_DumpVersionToSerial();
  }
}
```

Selamat mengunggah

Leaving...

Hard resetting via RTS pin...



```
LA_Update | Arduino 1.8.18
Berkas Sunting Sketch Alat Bantuan

LA_Update
}

Serial.println("Starting TelegramBot...");

// connect the ESP8266 to the desired access point
myBot.wifiConnect(ssid, pass);

// set the telegram bot token
myBot.setTelegramToken(token);

// check if all things are ok
if (myBot.testConnection())
  Serial.println("Koneksi Berhasil");
else
  Serial.println("Koneksi Gagal");
}
```

Selamat mengunggah

Leaving...

Hard resetting via RTS pin...

```
LA_Update | Arduino 1.8.18
Berkas Sunting Sketch Alat Bantuan

LA_Update

myBot.sendMessage(id, "Terhubungke ESP 32");

pinMode(relay,OUTPUT);
pinMode(buzzer,OUTPUT);
digitalWrite(relay,HIGH);
}

void loop() {
// a variable to store telegram.message data
TMessage msg;
if( myBot.getNewMessage(msg))
myBot.sendMessage(msg.sender.id, msg.text);

for(int reader=0; reader < JML_READER; reader++)
Selesai mengunggah

Leaving...
Hard resetting via RTS pin...
```

```
LA_Update | Arduino 1.8.18
Berkas Sunting Sketch Alat Bantuan

LA_Update

for(int reader=0; reader < JML_READER; reader++)
{
if(mfrc522[reader].PICC_IsNewCardPresent () && mfrc522[reader].PICC_ReadCardSerial())
{
String IDTAG = "";
for(byte i=0; i < mfrc522[reader].uid.size; i++)
{
IDTAG += mfrc522[reader].uid.uidByte[i];
}

Serial.print("Reader " + String(reader));
Serial.print(": ");
Serial.println("UID : " + IDTAG);
digitalWrite(buzzer,HIGH);
}
}

Selesai mengunggah

Leaving...
Hard resetting via RTS pin...
```

