

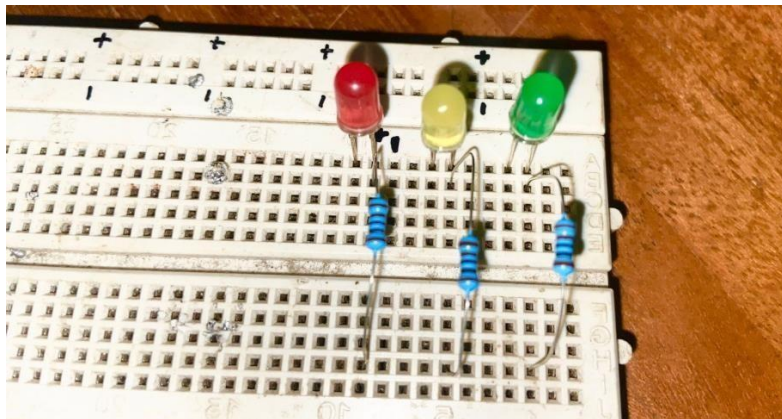
Nama : WAHYU PRAMANA
Nim 09030582226003

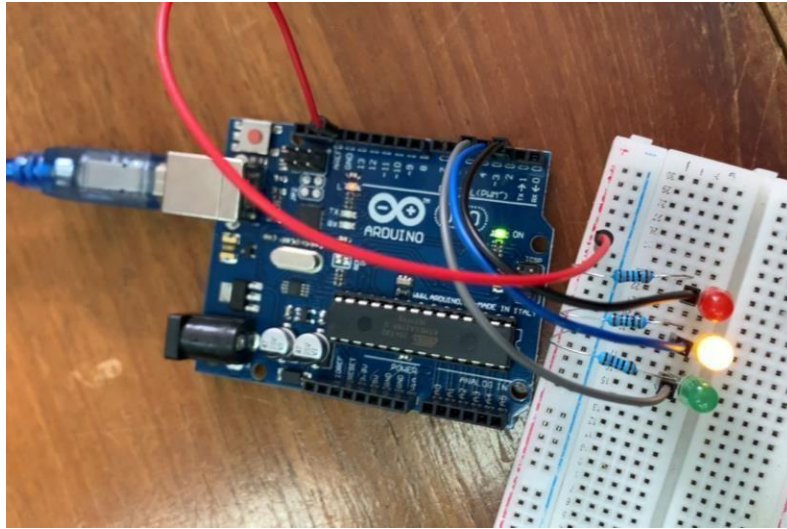
- **Kegiatan Praktikum**

Alat-alat yang diperlukan :

- Arduino Uno
- Breadboard
- LED
- Resistor
- Servo
- Kabel Jumper
- Kabel USB

Percobaan Praktikum Pertama :
Blink 3 LED

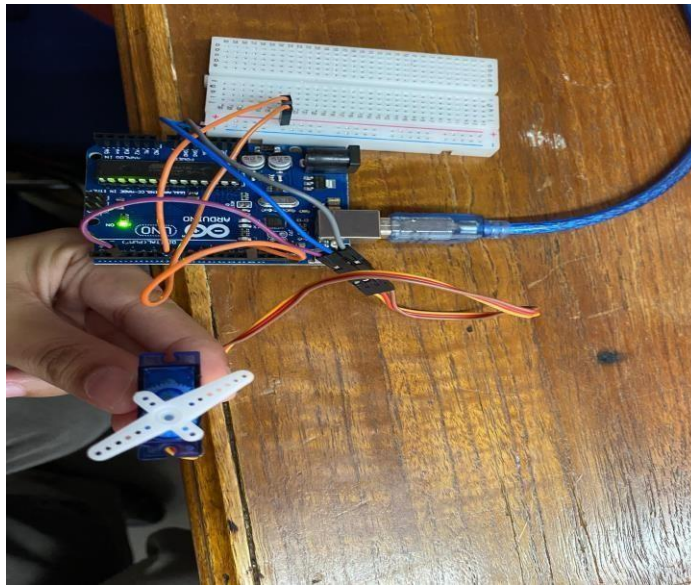




Kode Program Sebagai Berikut :

```
int ledPin1 = 2;
int ledPin2 = 3;
int ledPin3 = 4;
void setup() {
  pinMode(ledPin1, OUTPUT);
  pinMode(ledPin2, OUTPUT);
  pinMode(ledPin3, OUTPUT);
}
void loop()
{ digitalWrite(ledPin1,
  HIGH); delay(100);
  digitalWrite(ledPin1, LOW);
  delay(100);
  digitalWrite(ledPin2, HIGH);
  delay(100);
  digitalWrite(ledPin2, LOW);
  digitalWrite(ledPin3, HIGH);
  delay(100);
  digitalWrite(ledPin3, LOW);
}
```

Percobaan Praktikum Kedua : Menggerakkan Servo



Kode Program Sebagai Berikut :

```
#include <Servo.h>
Servo serv;
int ledPin1 = 2;
int ledPin2 = 3;
int ledPin3 = 4;
int pinservo = 5;
void setup() {
  pinMode(ledPin1, OUTPUT);
  pinMode(ledPin2, OUTPUT);
  pinMode(ledPin3, OUTPUT);
  serv.attach(5);
}
void loop()
{ serv.write(0);
  delay(1000);
  serv.write(180);
  delay(1000);
  digitalWrite(ledPin1, HIGH);
  delay(100);
  digitalWrite(ledPin1, LOW);
  delay(100);
  digitalWrite(ledPin2, HIGH);
  delay(100);
```

```
digitalWrite(ledPin2, LOW);  
digitalWrite(ledPin3, HIGH);  
delay(100);  
digitalWrite(ledPin3, LOW);  
}
```