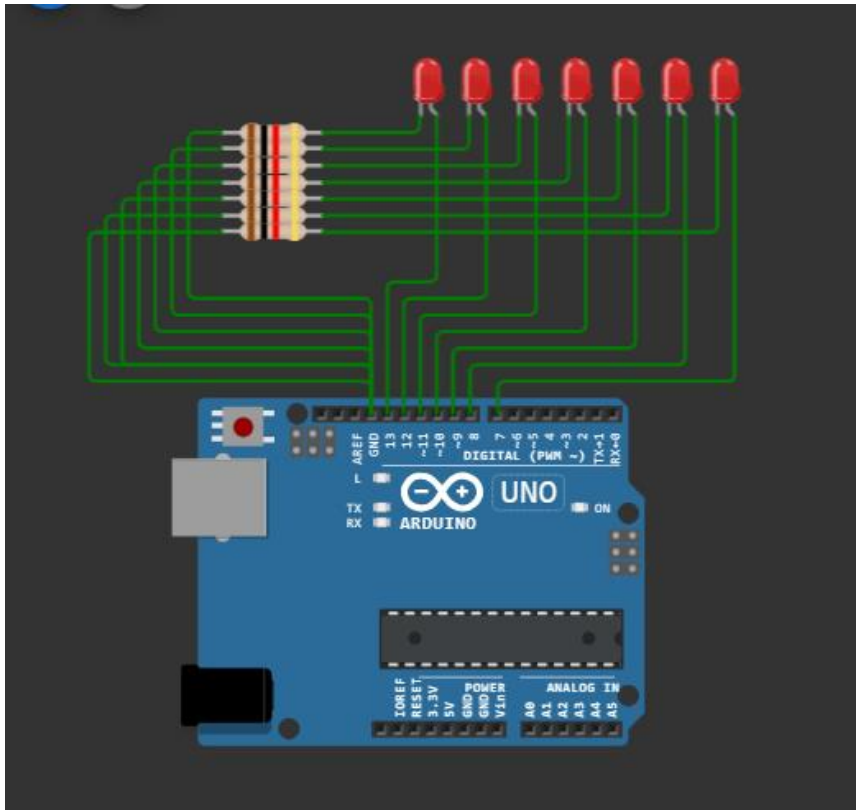


Nama : WAHYU PRAMANA

NIM : 09030582226003

Kelas : TK3A

LINK : <https://wokwi.com/projects/383368038694233089>



```
int ledPins[] = {7, 8, 9, 10, 11, 12, 13}; // Pin LED yang akan digunakan
int numLeds = 7; // Jumlah LED
int delayTime = 1000;

void setup() {
  for (int i = 0; i < numLeds; i++) {
    pinMode(ledPins[i], OUTPUT);
  }
}

void loop() {
  //1. led akan hidup kelap kelip
  blinkled();
  // 2. Hidup Barengan
  allLedOn();
  // 3. Hidup dengan Delay yang Berbeda
  LedDelay();
}
```

```

    // 4. Hidup Bergantian dari Kiri ke Kanan dan Sebaliknya
    rightToleftLeds();
// 5. Hidup bergantian dari redup ke terang
    fadeTobrightLeds();
}

void blinkled() {
    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], HIGH);
    }
    delay(500);

    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], LOW);
    }
    delay(500);
}

void allLedOn() {
    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], HIGH);
    }
    delay(2000);
    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], LOW);
    }
    delay(1000);
}

void LedDelay() {
    int delays[] = {500, 1000, 1500, 2000, 2500, 3000, 3500};
    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], HIGH);
        delay(delays[i]);
        digitalWrite(ledPins[i], LOW);
    }
}

void rightToleftLeds(){
    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], HIGH);
        delay(delayTime);
        digitalWrite(ledPins[i], LOW);
    }
    for (int i = numLeds - 1; i >= 0; i--) {
        digitalWrite(ledPins[i], HIGH);
        delay(delayTime);
    }
}

```

```
    digitalWrite(ledPins[i], LOW);
}
}
void fadeTobrightLeds(){
    for (int i = 0; i < numLeds; i++) {
        digitalWrite(ledPins[i], HIGH);
        delay(delayTime);
        digitalWrite(ledPins[i], LOW);
    }
    for (int i = numLeds - 1; i >= 0; i--) {
        digitalWrite(ledPins[i], HIGH);
        delay(delayTime);
        digitalWrite(ledPins[i], LOW);
    }
}
```