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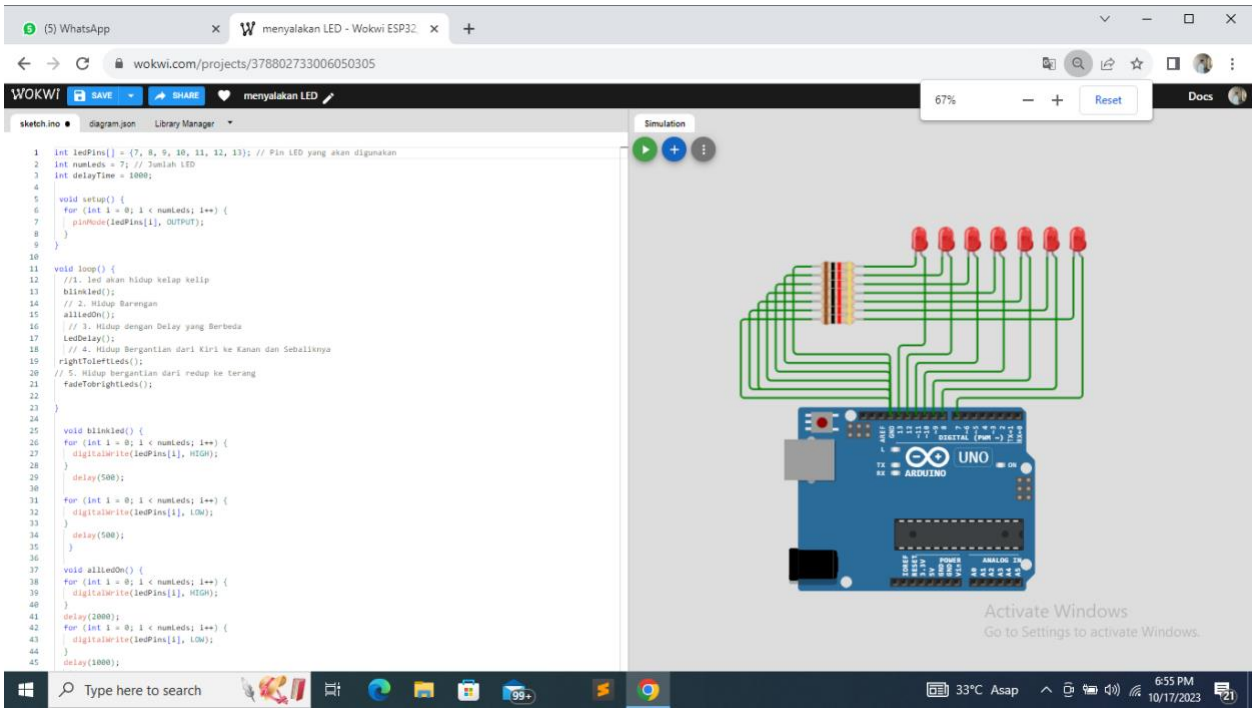
LINK : https://wokwi.com/projects/378802733006050305




```
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);
  }
}
```