NAMA: Mazhar yassir

NIM : 09030582226021

KELAS: TK3A

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                                                                                    000
       int ledPins() = \{7, 8, 9, 10, 11, 12, 13\}; // Pin LED yang akan digur int numLeds = 7; // Jumlah LED int delayTine = 1000;
     veid loop() {
//1. led aken hidop kelap telip
blimkhed();
//2. sidop Barengan
aliteOn();
//3. Hidop dengan Delay yang Berteda
tedbelay();
rightCaleftleds();
//5. Hidop bergantlam dari Kiri te Kanan dan Sebaliknya
rightCaleftleds();
//5. Hidop bergantlam dari redup ke terang
faddTobrightleds();
                                                                                                                    E STATE DIGITAL (PMR -) E
       void blinkled() {
for (int i = 0; i < numteds; i++) {
   digitalWrite(ledPins[i], HIGH);</pre>
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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++) {</pre>
    digitalWrite(ledPins[i], HIGH);
  }
    delay(500);
  for (int i = 0; i < numLeds; i++) {</pre>
    digitalWrite(ledPins[i], LOW);
  }
    delay(500);
   }
  void allLedOn() {
  for (int i = 0; i < numLeds; i++) {</pre>
    digitalWrite(ledPins[i], HIGH);
  }
  delay(2000);
  for (int i = 0; i < numLeds; i++) {</pre>
    digitalWrite(ledPins[i], LOW);
  }
  delay(1000);
   }
  void LedDelay() {
  int delays[] = {500, 1000, 1500, 2000, 2500, 3000, 3500};
  for (int i = 0; i < numLeds; i++) {</pre>
    digitalWrite(ledPins[i], HIGH);
```

```
delay(delays[i]);
    digitalWrite(ledPins[i], LOW);
  }
}
  void rightToleftLeds(){
   for (int i = 0; i < numLeds; i++) {</pre>
    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++) {</pre>
    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);
  }
}
```