

LA M2P5

HTML

```
<div style="text-align: center;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a href="https://fadhilaa212031.blogspot.com/" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">[KEMBALI KE MENU SEBELUMNYA]</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="font-family: times; font-size: medium;"><br /></span></div><center style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="background-color: white; border: 2px dashed rgb(23, 128, 221); box-sizing: border-box; height: 240px; margin: 0px; overflow: auto; padding: 10px; width: 330px;"><span style="font-family: times; font-size: medium;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">
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<a name="home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">DAFTAR ISI</a></b><br style="box-sizing: border-box;" /></span><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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<a href="#prosedur" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">1. Prosedur</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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<a href="#hardware" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">2. Hardware dan Diagram Blok</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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<a href="#rangkaiannya" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">3. Rangkaian Simulasi dan Prinsip Kerja</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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<a href="#flowchart" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">4. Flowchart dan Listing Program</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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<a href="#kondisi" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">5. Kondisi</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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<a href="#demo" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: times; font-size: medium;">6. Video Demo</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">
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[7. Download File</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"></div></div><h1 style="border: 0px; box-sizing: border-box; letter-spacing: 0px; line-height: 30px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-indent: -1px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">Percobaan V</h1><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"> Kontrol Putaran Motor DC</div><h3 style="border: 0px; box-sizing: border-box; letter-spacing: 0px; line-height: 29px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-align: justify; text-indent: -1px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">](#download)

1. Prosedur [Kembali]</h3><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><ul style="border: 0px; box-sizing: border-box; line-height: 1.2; margin: 0px 0px 20px 20px; padding: 0px 0px 0px 20px; text-align: left;"><li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Rangkailah seperti rangkaian berikut<li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Buka Arduino IDE dan masukan listing program<li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Upload program ke arduino<li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Putar potensiometer dan amati keluarannya pada Dot Matriks dan Motor dc</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><h3 style="border: 0px; box-sizing: border-box; letter-spacing: 0px; line-height: 29px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-align: justify; text-indent: -1px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">

2. Hardware dan Diagram Blok

[\[Kembali\]](#)



The image shows a screenshot of a blog post. At the top, there is a navigation link "[Kembali]" with a blue underline. Below it is a large image of a breadboard circuit. The circuit includes an Arduino Uno microcontroller board, a DIP switch, and various passive components like resistors and jumper wires. The breadboard is populated with several integrated circuits, including what appears to be a 555 timer and a 741 op-amp. The components are connected in a complex network. Below the image, the text "Gambar 1. Rangkaian Hardware" is displayed. The page layout includes a header with a home link, a main content area with the image and caption, and a footer with a separator and another image link.

S8B9tLhW62nDFgcqObTsJddcelvYZD7JSj5NQdH3syhlsamoABKQwsPbrpT1zr4xfd5sFDzAkloY/s320/DIP%20Switch.png" width="218" /></div></div>
<div class="separator" style="clear: both; text-align: center;">
</div></div><div style="font-family: times; font-size: large;"> 3. Motor DC
</div><div style="font-family: times; font-size: large;">
</div><div class="separator" style="clear: both; text-align: center;"></div>

</div><div style="font-family: times; font-size: large;">
</div><div style="font-family: times; font-size: large;"> 4. Dot Matriks
</div><div style="font-family: times; font-size: large;"><div class="separator" style="clear: both; text-align: center;">
</div><div class="separator" style="clear: both; text-align: center;"></div></div><div class="separator" style="clear: both; text-align: center;">
</div>
</div><div style="font-family: times; font-size: large;"> 4. Kabel jumper
</div><div style="font-family: times; font-size: large;"><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div> 5. Breadboard</div><div

style="font-family: times; font-size: large;"><div class="separator" style="clear: both; text-align: center;"></div>
<div class="separator" style="clear: both; text-align: center;">
</div></div><div style="font-family: times; font-size: large;"> </div><div style="font-family: times; font-size: large;"><div class="separator" style="clear: both; text-align: center;">
</div>
</div><div style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px;">Diagram Blok:

<div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div>
</div></div><div style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px;"><br style="border: 0px; box-sizing: border-box;" /></div><div style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">

3. Rangkaian Simulasi dan Prinsip Kerja
[Kembali]</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px;"><br style="border: 0px; box-sizing: border-box;" /><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgy5CHCzB8xrXWDI_1RR5jIQPnPd


```
center;"><br /></div></div><div style="border: 0px; box-sizing: border-box; font-family: times; font-size:
large; margin: 0px; padding: 0px;"><br /></div><div style="border: 0px; box-sizing: border-box; margin:
0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div
style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding:
0px;">Listing Program:</div><div style="border: 0px; box-sizing: border-box; font-family: times; font-size:
large; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="border: 0px;
box-sizing: border-box; margin: 0px; padding: 0px;"><div class="separator" style="border: 0px;
box-sizing: border-box; clear: both; margin: 0px; padding: 0px; text-align: left;"><span style="color:
#728e00; font-family: Consolas, Courier New, monospace;"><span><span style="font-size: 14px;
white-space: pre;">#include &lt;LedControl.h>
```

```
// Inisialisasi modul MAX7219
```

```
LedControl lc = LedControl(5,6,7,1); // Pin DIN, CLK, LOAD (CS) dihubungkan ke Arduino
```

```
byte patterns[8] = {0, 0, 0, 0, 0, 0, 0, 0}; // Pola LED untuk ditampilkan
```

```
// Pengaturan pin untuk dipswitch dan motor
```

```
const int potensio = A0;
```

```
const int infrared = 8;
```

```
const int enable = 4;
```

```
const int motor1Pin1 = 2;
```

```
const int motor1Pin2 = 3;
```

```
void setup() {
```

```
    // Set up dot matrix module
```

```
    lc.shutdown(0, false); // Mengaktifkan modul
```

```
    lc.setIntensity(0, 8); // Mengatur kecerahan (0-15)
```

```
    lc.clearDisplay(0); // Membersihkan tampilan
```

```
    // Mengatur pin-pin sebagai output untuk motor
```

```
    pinMode(enable, OUTPUT);
```

```
    pinMode(infrared, INPUT);
```

```
    pinMode(motor1Pin1, OUTPUT);
```

```
    pinMode(motor1Pin2, OUTPUT);
```

```
    Serial.begin(9600);
```

```
}
```

```
void loop() {
```

```
// Membaca nilai dari lm35
float adc = analogRead(potensio);
Serial.println(adc);

// Membaca nilai dari infrared
int infrarednya = digitalRead(infrared);

// Mengendalikan arah motor berdasarkan nilai dipswitch
if(infrarednya == HIGH){
  digitalWrite(enable, HIGH);
  if (adc <= 256) {
    // Maju
    digitalWrite(motor1Pin1, HIGH);
    digitalWrite(motor1Pin2, LOW);
    displayArrowRight();
  }
  else if (adc >= 768) {
    // Mundur
    digitalWrite(motor1Pin1, LOW);
    digitalWrite(motor1Pin2, HIGH);
    displayArrowLeft();
  }
  else {
    // Berhenti
    digitalWrite(motor1Pin1, LOW);
    digitalWrite(motor1Pin2, LOW);
    displayLetterX();
  }
}
else{
  digitalWrite(enable, LOW);
}
```

```

}
}
// Fungsi untuk menampilkan panah pada dot matrix
void displayArrow(byte pattern) {
    for (int row = 0; row < 8; row++) {
        lc.setRow(0, row, pattern);
    }
    delay(500); // Mengatur kecepatan animasi
    lc.clearDisplay(0);
    delay(500); // Jeda sebelum membaca input lagi
}
// Menampilkan panah ke kanan
void displayArrowRight() {
    byte arrowRight[8] = {
        B00011000,
        B00001100,
        B00000110,
        B11111111,
        B00000110,
        B00001100,
        B00011000,
        B00000000
    };
    for (int row = 0; row < 8; row++) {
        lc.setRow(0, row, arrowRight[row]);
    }
}
// Menampilkan panah ke kiri
void displayArrowLeft() {

```

```

byte arrowLeft[8] = {
    B00011000,
    B00110000,
    B01100000,
    B11111111,
    B01100000,
    B00110000,
    B00011000,
    B00000000
};

for (int row = 0; row < 8; row++) {
    lc.setRow(0, row, arrowLeft[row]);
}
}

// Menampilkan huruf "X"
void displayLetterX() {
    byte letterX[8] = {
        B10000001,
        B01000010,
        B00100100,
        B00011000,
        B00011000,
        B00100100,
        B01000010,
        B10000001
    };

    for (int row = 0; row < 8; row++) {
        lc.setRow(0, row, letterX[row]);
    }
}

```

}

</div><div style="font-family: times; font-size: large;">
</div></div></div><p style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">5. Kondisi [Kembali]</p><div style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px; text-align: justify;"> Ketika potensiometer diubah ubah nilainya dengan cara memutar maka akan dibaca oleh Arduino dan, arduino akan memberikan perintah untuk menampilkan panah dengan arah tertentu pada dot matriks dan motor dc yang berputar dengan arah tertentu sesuai nilai potensiometer yang di setting pada program arduino.</div><div style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px; text-align: justify;">
</div><p style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"></p><div style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px; text-align: -webkit-center;"><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">

6. Video Demo[Kembali]</p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 15px; padding: 0px; text-align: justify;"></p><div class="separator" style="clear: both; text-align: center;"><object class="BLOG_video_class" contentid="66862400803d46b7" height="266" id="BLOG_video-66862400803d46b7" width="320"></object></div>
<div class="separator" style="clear: both; text-align: center;">
</div>
<div class="separator" style="clear: both; text-align: center;">
</div><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 15px; padding: 0px;"></p><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box;

font-weight: 400; margin: 0px; padding: 0px; text-align: -webkit-center;"><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">

7. Download File<a

href="http://www.laboreldi.or.id/p/mikro-2023-modul-1-percobaan-4.html#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease

0s;">[Kembali]</p></div></div></div></div></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">□ HTML→ <a href=""<div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">"<div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">""<[KEMBALI KE MENU SEBELUMNYA]</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><br /</div><center style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="background-color: white; border: 2px dashed rgb(23, 128, 221); box-sizing: border-box; height: 240px; margin: 0px; overflow: auto; padding: 10px; width: 330px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><DAFTAR ISI<br style="border: 0px; box-sizing: border-box;" /<div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><1. Prosedur</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><2. Hardware dan Diagram

[illegible]

#757575;"> "</span"><[Kembali]</a"></span"></b"></h3"><div style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><ul style=""border: 0px; box-sizing: border-box; line-height: 1.2; margin: 0px 0px 20px 20px; padding: 0px 0px 0px 20px; text-align: left;"><li style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><Rangkailah seperti rangkaian berikut</span"></li"><li style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><Buka Arduino IDE dan masukan listing program</span"></li"><li style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><Upload program ke arduino</span"></li"><li style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><Pilih tombol yang ingin ditekan dan amati keluarannya pada LCD</span"></li"></ul"></div"><div style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><h3 style=""border: 0px; box-sizing: border-box; letter-spacing: 0px; line-height: 29px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-align: justify; text-indent: -1px;"><b style=""border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">< </a">< 2. Hardware dan Diagram Blok</span">< "</span"></a"></span"><[Kembali]</a"></span"></b"></h3"><br /</span"><div class=""separator" style=""clear: both; text-align: center;"><img border=""0" data-original-height=""1600" data-original-width=""1200" height=""320" src=""https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgcqVQygx_5-IntoWaGW6Q2XHS9DVMLW46Bt7dH6KcknOlV0l19Q_zgZFaadHTYVs5QjZDqd63YendR6dWnu3vZ8t_LL72e3O1DrVNaBV_XFR-UIJf8BWbWjHAOjxqUoB8rxtRacufzzDDu4oAtNC80GwOmAOgqfQrAfJb80ISzuY9ltVZB3h3qVx95VVk/s320/gambar%20rangkaian%20percobaan%202.jpg" width=""240" /</a"></div"><br /</div"><div class=""separator" style=""clear: both;

[illegible]

LCD
</div><div style=<quot;font-family: times; font-size: large;<quot;><div class=<quot;separator<quot; style=<quot;clear: both; text-align: center;<quot;><img src=<quot;https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEj7uPevYBR4wMoZ_O0aLcJ7jA1Lu-W1_QjIkj5kkMdwLJIW_IK2-OBSJWoFUKUayK4vf-pLI7SuNnfogv7eeznYmXy-mbuzngDqMV8BePkj-lZ7ukuK9InFTJNagXSdATU_Rl7Ixlcm6ypwY6r53jfgLU9zuBege9Yo_5LdvYvYnQQ11wPuVArH98iqgo/s225/download%20(1).jpeg<quot; style=<quot;margin-left: 1em; margin-right: 1em;<quot;><img border=<quot;0<quot; data-original-height=<quot;225<quot; data-original-width=<quot;225<quot; height=<quot;225<quot; src=<quot;https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEj7uPevYBR4wMoZ_O0aLcJ7jA1Lu-W1_QjIkj5kkMdwLJIW_IK2-OBSJWoFUKUayK4vf-pLI7SuNnfogv7eeznYmXy-mbuzngDqMV8BePkj-lZ7ukuK9InFTJNagXSdATU_Rl7Ixlcm6ypwY6r53jfgLU9zuBege9Yo_5LdvYvYnQQ11wPuVArH98iqgo/s1600/download%20(1).jpeg<quot; width=<quot;225<quot; /></div></div class=<quot;separator<quot; style=<quot;clear: both; text-align: center;<quot;>
</div>
</div><div style=<quot;font-family: times; font-size: large;<quot;> 4. Kabel jumper
</div><div style=<quot;font-family: times; font-size: large;<quot;><div class=<quot;separator<quot; style=<quot;clear: both; text-align: center;<quot;><a href=<quot;https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgUbYr9dSof5j69YvFXFRrtSEWZ3TZvnw8qMK99dsjLGQFgsLhbD8J15akZGjHqkH4d1PVrCFjpLinVAQWHlkQZaouHnVR7E_VL0YVAqDFoZ0cAAgbpbJ6asIbJInRcP3pxBxsvoVmL9157fitQiBW60KRmld2OZORqHvI2NEjQR-r2F5RFmEkEAPU/s320/jumper%20fm.jpg<quot; style=<quot;margin-left: 1em; margin-right: 1em;<quot;><img border=<quot;0<quot; data-original-height=<quot;301<quot; data-original-width=<quot;320<quot; height=<quot;212<quot; src=<quot;https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgUbYr9dSof5j69YvFXFRrtFEWZ3TZvnw8qMK99dsjLGQFgsLhbD8J15akZGjHqkH4d1PVrCFjpLinVAQWHlkQZaouHnVR7E_VL0YVAqDFoZ0cAAgbpbJ6asIbJInRcP3pxBxsvoVmL9157fitQiBW60KRmld2OZORqHvI2NEjQR-r2F5RFmEkEAPU/w225-h212/jumper%20fm.jpg<quot; width=<quot;225<quot; /></div></div class=<quot;separator<quot; style=<quot;clear: both; text-align: center;<quot;>
</div> 5. Breadboard</div><div style=<quot;font-family: times; font-size: large;<quot;><div class=<quot;separator<quot; style=<quot;clear: both; text-align: center;<quot;><a href=<quot;https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEiZMwixnPgfVezUlv5-3HQff6D8005VbnyGAza404B6KJBANSnUSBqorMa_mgYtswG3gsfRrm2eMO8Hi3GwRqv3IrH8BeiteFMAbXWIH1FbWs1dkoybjYPxfMaFxJOZQfkeL9RhULXyOI3gYpqx0w5G_5xmLJZDfhO3zuAEOJz1X9EyJAUDrmeXf-Wxc/s320/679813_439a59b9-284e-4573-949d-12ab0d5d002a%20(1).jpg<quot; style=<quot;margin-left: 1em; margin-right: 1em;<quot;></div style=>border: 0px; box-sizing: border-box; font-family: times;
font-size: large; margin: 0px; padding: 0px;></div></div>
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span style=>font-size: 14px; white-space:
pre;>> //Percobaan 2 #include <Keypad.h> const byte ROWS = 4; // Four rows
const byte COLS = 4; // Fou columns char keys[ROWS][COLS] = { {'1','2','3','A'}, {'4','5','6','B'}, // Keypad
4x4 layout {'7','8','9','C'}, {'*','0','#','D'} }; byte rowPins[ROWS] = {A4, A3, A2, A1}; // Connect to the
keypad row pins byte colPins[COLS] = {10, 11, 12, 13}; // Connect to the keypad column pins Keypad
keypad = Keypad(makeKeymap(keys), rowPins, colPins, ROWS, COLS); const int segmentPins[] = {9, 8, 7,
6, 5, 4, 3, 2}; // Connect to the seven-segment display segment pins void setup() { for (int i = 0; i
< 8; i++) { pinMode(segmentPins[i], OUTPUT); } } void loop() { char key = keypad.getKey(); if
(key) { displayCharacter(key); delay(1000); clearDisplay(); } } void displayCharacter(char ch) { // Define
segment patterns for each digit (0-9) // Example: Displaying '1' // A // F B // G // E C // D byte
patterns[][9] = { {0, 0, 0, 0, 0, 0, 1, 1}, // 0 {1, 0, 0, 1, 1, 1, 1, 1}, // 1 {0, 0, 1, 0, 0, 1, 0, 1}, // 2 {0, 0, 0, 0,
1, 1, 0, 1}, // 3 {1, 0, 0, 1, 1, 0, 0, 1}, // 4 {0, 1, 0, 0, 1, 0, 0, 1}, // 5 {0, 1, 0, 0, 0, 0, 0, 1}, // 6 {0, 0, 0, 1, 1,
1, 1, 1}, // 7 {0, 0, 0, 0, 0, 0, 0, 1}, // 8 {0, 0, 0, 0, 1, 0, 0, 1}, // 9 {0, 0, 0, 0, 0, 1, 0, 1}, //a {1, 1, 0, 0, 0, 0,
0, 1}, //b {0, 1, 1, 0, 0, 0, 1, 1}, //c {1, 0, 0, 0, 0, 1, 0, 1}, //d }; if ((ch >= '0'
& ch <= '9') || (ch >= 'A' & ch <= 'D'))
{ // Get the digit index (0-9) from the character int index = (ch >= '9')? (ch - '0') : (ch - 'A' + 10);
// Write the pattern to the segment pins for (int i = 0; i < 7; i++) { digitalWrite(segmentPins[i],
patterns[index][i]); } } void clearDisplay() { for (int i = 0; i < 8; i++) {
digitalWrite(segmentPins[i], HIGH); } }</div></div>
style=>font-family: times; font-size: large;></div></div>
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border-box; font-family: times; font-size: large; margin: 0px 0px 15px; padding: 0px; text-align:
justify;></div></div>
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text-align: left;></div></div>
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a name=>kondisi>>5. Kondisi </div>
a href=>#home> style=>border: 0px; box-sizing: border-box; color: #597e00; margin: 0px;
padding: 0px; text-decoration-line: none; transition: all 0.3s ease
0s;></div></div>
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justify;></div></div>
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text-align: left;>
style=>background-color: white; text-align: left;>>Ketika keypad ditekan maka akan dibaca
oleh Arduino dan, arduino akan memberikan perintah untuk menampilkan nilai yang ditekan tersebut
pada Seven Segmen.</div></div>
div style=>border: 0px; box-sizing: border-box;
font-family: times; font-size: large; margin: 0px; padding: 0px; text-align: justify;></div>
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</span></div></span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="font-family: times; font-size: medium;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">&nbsp;</b></span style="border: 0px; box-sizing: border-box; font-weight: 400; margin: 0px; padding: 0px;"><HTML→&nbsp;</span><a href="#" style="border: 0px; box-sizing: border-box; color: #597e00; font-weight: 400; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><klik disini</a></b></div></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="font-family: times; font-size: medium;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">&nbsp;</b></span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><Gambar Rangkaian&nbsp;</span><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">→&nbsp;</span><a href="https://drive.google.com/file/d/1HOLEuCpFCSzaRBzLe7vB7Sp4sor1CY\_e/view?usp=drive\_li nk" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-align: justify; text-decoration-line: none; transition: all 0.3s ease 0s;"><klik disini</a><a href="https://drive.google.com/uc?export=download&amp;id=1ByAffixHNGmMU73sYTtqyHr KvXLK3sBY" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-align: justify; text-decoration-line: none; transition: all 0.3s ease 0s;"><br style="box-sizing: border-box;" /></a><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">&nbsp;</b></span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><Video Demo&nbsp;</span><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">→&nbsp;</span><a href="https://drive.google.com/file/d/1g4KZXTUDyILvuU4vmJkvNBivBP6IRt/view?usp=sharing&quot; style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-align: justify; text-decoration-line: none; transition: all 0.3s ease 0s;"><klik disini</br style="box-sizing: border-box;" /></a><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">&nbsp;</b></span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><Listing Program&nbsp;</span><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">→&nbsp;</span><a href="https://drive.google.com/uc?export=download&amp;id=1OgGStv7U3frksrLkpzbGGID1 0ZFQk9Oo" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-align: justify; text-decoration-line: none; transition: all 0.3s ease 0s;"><klik disini</a></span></div></div><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: left;"><br style="background-color: white; box-sizing: border-box; color: #444444; font-family: &quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px;">

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style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: left;"><br  
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left;"><br /></p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px;  
text-align: left;"><br /></p></center></div>