

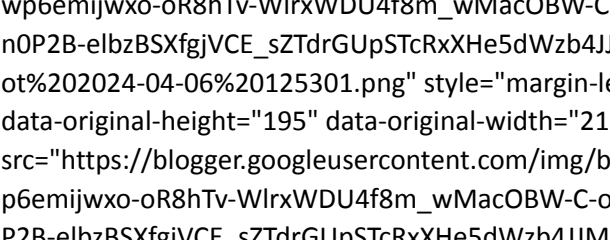
[Laporan Akhir Percobaan 2 Modul 3](#)

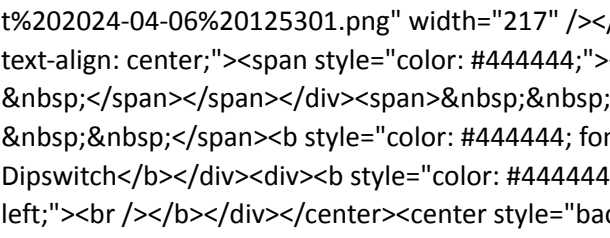
<br style="box-sizing: border-box;" />

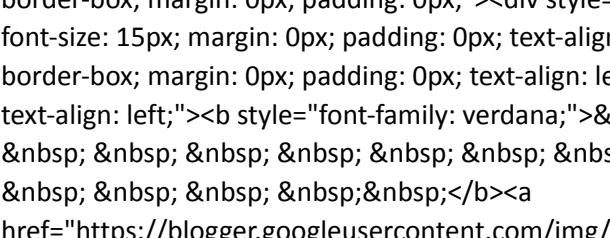
[\[KEMBALI KE MENU SEBELUMNYA\]](https://putrib213024.blogspot.com/p/modul-3.html)

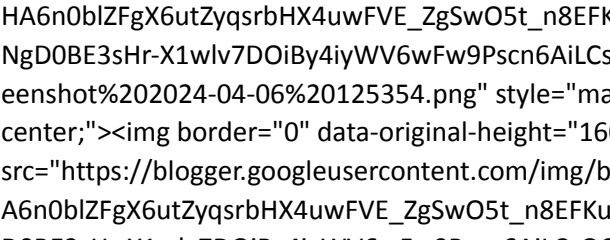
DAFTAR ISI
[1. Foto Hardware dan Diagram Blok](#F)
[2. Prosedur Percobaan](#P)
[3. Rangkaian Simulasi dan Prinsip Kerja](#R)
[4. Flowchart dan Listing Program](#FL)
[5. Kondisi](#K)
[6. Video Demo](#V)

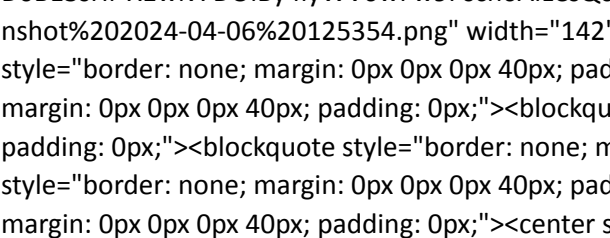
[Paging: 0px; padding: 0px; text-align: left;">7. Link Download</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"></div></div><h1 style="border: 0px; box-sizing: border-box; color: #757575; font-size: 21px; letter-spacing: 0px; line-height: 30px; margin: 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](#)

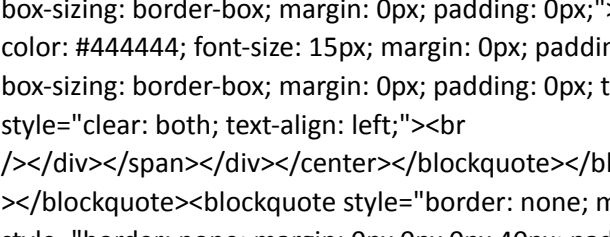


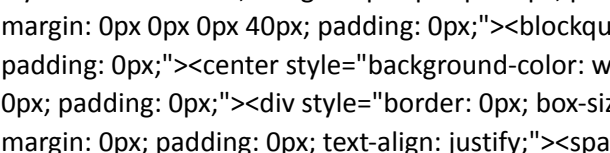












#597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">2. Prosedur Percobaan

[Kembali](#)

Rangkai semua komponen

+ Buka Arduino IDE dan masukan listing Program

+ Upload program ke arduino

+ jalankan program pada simulasi dan cobakan dengan modul

3. Rangkaian Simulasi dan Prinsip Kerja

[Kembali](#)

Prinsip Kerja

[illegible]

Program

[\[Kembali\]](#home)

Master Arduino:

[!\[\]\(08a82c22d89d6b027ff69762ad096586_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjQpNGFiyY7Ae9h3-GcAfVkpMSqqK8diHNiXe4uHX_NyVz8wnZnex-L37sFVFhxJsy6yL5bcMZGPAC9y5HuTQbGEpB-62b2CufaZiWpznCQ9xPDFzj5FFW1F9cSbyTHEPGxAle83DpWmFWcr9XaZ1CuSAmx453-Tyj45sKyCH7OV94-DQJ0spF6TRRvVAU/s1599/1la.png)

Slave Arduino:

[!\[\]\(cfab2d3ec366ca106873fde352e6317d_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhnXQHEZILY2Yot6XmBVozdkbSluaATj9yul17-HOeqC430j0J9vMmH4XSHltwsEO_2Fitg8GbFq4zHgix1_G1aA0iltqf1AYINOlq-r4QNpCk8FB8LmHoepN9e0wj7DUrXh50vC6qsPkj2p9918nhdF0xd3_6lBLsOqCRYrUK4B-CQXZLrs41-EBT5ZVA/s1595/1sla.png)

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url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; font-size:
15px;"><br style="cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important;" /></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; font-size:
15px; margin: 0px; padding: 0px;">Listing Program:</div><div style="border: 0px; box-sizing: border-box;
color: #444444; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; font-size: 15px; margin: 0px; padding: 0px;"><br style="box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;" /></div><div
style="border: 0px; box-sizing: border-box; color: #444444; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; font-size:
15px; margin: 0px; padding: 0px;"><b style="cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important;">Master</b></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;"><span style="color: #444444; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;"><div
style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; font-size:
15px; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">//Master Arduino</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">#include<SPI.h> //Library for SPI</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">int dip[] = {2,3,4,5,6,7,8,9};</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">int dipvalue[] = {};</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">void setup ()</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">&nbsp;Serial.begin(9600); //Starts Serial Communication at
Baud Rate 115200</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;for(int i = 0; i < 8; i++)</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;
margin: 0px; padding: 0px;">&nbsp;pinMode(dip[i], INPUT_PULLUP);</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">&nbsp;}</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">&nbsp;SPI.begin(); //Begins the SPI commnuication</div><div

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style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;SPI.setClockDivider(SPI_CLOCK_DIV8); //Sets clock for SPI communication at 8
(16/8=2Mhz)</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;digitalWrite(SS,HIGH); // Setting SlaveSelect as HIGH (So master doesnt connect
with</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">slave)</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;"></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">void loop(void){</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;byte Mastersend;</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;int x = 1;</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;for(int i = 0; i &lt; 8; i++)</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important;
margin: 0px; padding: 0px;">&nbsp;dipvalue[i] = digitalRead(dip[i]);</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);,
auto !important; margin: 0px; padding: 0px;">&nbsp;if(dipvalue[i] == LOW){</div><div style="border:
0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;x = dip[i];</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;}</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;}</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;digitalWrite(SS, LOW); //Starts communication with Slave connected to
master</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;"><br /></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">Mastersend = x;</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;Serial.println(Mastersend);</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important;
margin: 0px; padding: 0px;">&nbsp;SPI.transfer(Mastersend); //Send the mastersend value to slave also
receives value from slave</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;delay(1000);</div><div style="border: 0px; box-sizing: border-box; cursor:

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url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;"></div></div></span></div><div style="border: 0px; box-sizing: border-box; color:
#444444; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; font-size: 15px; margin: 0px; padding: 0px;"><b style="cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;"><br
/></b></div></span></div><div style="border: 0px; box-sizing: border-box; color: #444444; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; font-size:
15px; margin: 0px; padding: 0px; text-align: left;"><b style="cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important;">Slave</b></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px; text-align: left;"><span style="cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;"><div
style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;"><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">Slave Arduino:</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">#include<SPI.h></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">const int segmentPins[] = {9, 8, 7, 6, 5, 4, 3, 2};</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">volatile boolean received = false;</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">volatile byte Slaverceived;</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">int index;</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">void setup(){</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">&nbsp;Serial.begin(9600);</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">&nbsp;for (int i = 0; i < 8; i++) {</div><div style="border:
0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;pinMode(segmentPins[i], OUTPUT);</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">&nbsp;</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;
margin: 0px; padding: 0px;">&nbsp;SPCR |= _BV(SPE); //Turn on SPI in Slave Mode</div><div
style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;SPI.attachInterrupt(); //Interuupt ON is set for SPI commnucation</div><div

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style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;"></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">ISR (SPI_STC_vect){ //Inerrrrput routine function</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;">&nbsp;Slavereceived = SPDR; // Value received from master if
store in variable slavereceived</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;received = true; //Sets received as True</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;"></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">void loop(){</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;Serial.println(Slavereceived);</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;">&nbsp;if(received){//Logic to SET LED ON OR OFF depending
upon the value recerived from master</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;displayCharacter(Slavereceived);</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;">&nbsp;delay(1000);</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;">&nbsp;</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important;
margin: 0px; padding: 0px;"></div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">void displayCharacter(int ch) {</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important;
margin: 0px; padding: 0px;">&nbsp;byte patterns[10][7] = {</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;">&nbsp;{0, 0, 0, 0, 0, 0, 1}, // 0</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);,
auto !important; margin: 0px; padding: 0px;">&nbsp;{1, 0, 0, 1, 1, 1, 1}, // 1</div><div style="border:
0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; margin: 0px;
padding: 0px;">&nbsp;{0, 0, 1, 0, 0, 1, 0}, // 2</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important;
margin: 0px; padding: 0px;">&nbsp;{0, 0, 0, 0, 1, 1, 0}, // 3</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto
!important; margin: 0px; padding: 0px;">&nbsp;{1, 0, 0, 1, 1, 0, 0}, // 4</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);,
auto !important; margin: 0px; padding: 0px;">&nbsp;{0, 1, 0, 0, 1, 0, 0}, // 5</div><div style="border:

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Opx; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;{0, 1, 0, 0, 0, 0, 0}, // 6</div><div style="border: 0px; box-sizing: border-box;
cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important;
margin: 0px; padding: 0px;">&nbsp;{0, 0, 0, 1, 1, 1, 1}, // 7</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">&nbsp;{0, 0, 0, 0, 0, 0, 0}, // 8</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">&nbsp;{0, 0, 0, 0, 1, 0, 0} // 9</div><div style="border:
0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;};</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;if ((ch &gt;= 0 &amp;&amp; ch &lt;= 9)) {</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">&nbsp;// Get the digit index (0-9) from the
character</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;int index = ch;</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;// Write the pattern to the segment pins</div><div style="border: 0px; box-sizing:
border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto
!important; margin: 0px; padding: 0px;">&nbsp;for (int i = 0; i &lt; 7; i++) {</div><div style="border: 0px;
box-sizing: border-box; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;),
auto !important; margin: 0px; padding: 0px;">&nbsp;digitalWrite(segmentPins[i],
patterns[index][i]);</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;}</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;}</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;}</div><div style="border: 0px; box-sizing: border-box; cursor:
url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;), auto !important; margin: 0px;
padding: 0px;">&nbsp;}</div></div></span></div></div><div class="separator" style="clear: both; text-align:
center;"><br /></div><div class="separator" style="clear: both; text-align: center;"><br /></div></div><p
style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px 0px 15px;
padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px;
padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a
name="K" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px;
transition: all 0.3s ease 0s;">5. Kondisi</a></span>&nbsp;<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;">[Kembali]</a></span></b></p><p style="border: 0px; box-sizing: border-box; margin:
0px 0px 15px; padding: 0px; text-align: left;"><span style="color: #444444;"><span style="font-size:
15px;">Ketika tidak terdapat dipswitch on maka angka yang ditampilkan ialah 1 ketika terdapat yang
nyala akan disesuaikan dengan pada pin berapa yang menyala atau berlogika 1, jika pada pin 2 maka

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akan menampilkan angka 2.</p></div><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; 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></div><div class="separator" style="clear: both; text-align: center;"><object class="BLOG_video_class" contentid="39dc37ac4e1e2476" height="266" id="BLOG_video-39dc37ac4e1e2476" width="320"></object></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. Link Download [Kembali]</p></div></div></div></div></div><p style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px 0px 15px; padding: 0px; text-align: left;"></p><ul style="text-align: left;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">HTML→ klik disiniVideo Percobaan→ klik disini<span style="border: 0px; box-sizing: border-box; font-family: verdana; font-feature-settings: inherit;

font-kerning: inherit; font-optical-sizing: inherit; font-size: inherit; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-variation-settings: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; text-align: justify; vertical-align: baseline;">Program Master klik disiniProgram Slave klik disiniDatasheet Arduino klik disini<span style="border: 0px; box-sizing: border-box; font-family: verdana; font-feature-settings: inherit; font-kerning: inherit; font-optical-sizing: inherit; font-size: inherit; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-variation-settings: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; text-align: justify;

[illegible]