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<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="#rangkaian" 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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1. Prosedur

- Kembali

 - Rangkailah seperti rangkaian berikut
 - Buka Arduino IDE dan masukan listing program
 - Upload program ke arduino
 - Variasikan tombol yang ditekan dan amati keluarannya pada LCD

0px;">

2. Hardware dan Diagram Blok [Kembali]</h3>
<div class="separator" style="clear: both; text-align: center;"></div></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Gambar 1. </div><div></div><div>
</div><div> </div><div><div class="separator" style="clear: both; text-align: center;"></div></div><div>
</div><div> </div><div><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div>
</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Diagram Blok:<div class="separator" style="clear: both; text-align: center;"></div></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="border: 0px; box-sizing: border-box; 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; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /><table align="center" cellpadding="0" cellspacing="0" class="tr-caption-container" style="border-collapse: collapse; border-spacing: 0px; border: 0px; margin: 13px auto 0.5em; max-width: 100%; padding: 4px; position: relative; width: 517.841px;"><tbody style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><tr style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><td style="border: 1px solid rgb(229, 229, 229); box-sizing: border-box; margin: 0px; padding: 7px 12px; text-align: center;"><div class="separator" style="border: 0px; box-sizing: border-box; clear: both; margin: 0px; padding: 0px;"></div>

class="separator" style="clear: both; text-align: center; "><div class="separator" style="clear: both; text-align: center; "></div></div></td></tr><tr style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; "><td class="tr-caption" style="border: 1px solid rgb(229, 229, 229); box-sizing: border-box; margin: 0px; padding: 7px 12px; text-align: center; "><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; ">Gambar 1. Rangkaian Simulasi.<br style="box-sizing: border-box; " /><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify; ">Prinsip Kerja:</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify; "><br style="box-sizing: border-box; " /></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify; "><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; "> percobaan 6 ini 8 buah switch spdt yang berfungsi sebagai input dan LCD berfungsi sebagai output. Dimana switch akan memunculkan warna tombol yang dipencet dan menampilkan di LCD. Ketikakita menekan switch warna merah maka lcd akan tertulis "Merah" begitu pula bila menekan switch lainnya. Pada LCD terdapat potensiometer yang berfungsi untuk mengatur kecerahan pada layar LCD.</div></div></td></tr></tbody></table> </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; ">

[Flowchart dan Listing Program <a> \[Kembali\]</h3><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Flowchart:</div><div class="separator" style="clear: both; text-align: center;"></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">
</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Listing Program:</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="background-color: white; line-height: 19px; white-space: pre;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; white-space: normal;"><div style="color: #4e5b61; font-family: Consolas, "Courier New";, monospace; font-size: 14px; line-height: 19px; white-space: pre;"><div>#include <LiquidCrystal.h></div><div>#define PB1 A0</div><div>#define PB2 A1</div><div>#define PB3 A2</div><div>#define PB4 A3</div><div>#define PB5 A4</div><div>#define PB6 A5</div><div>#define PB7 12</div><div>#define PB8 13</div><div>const int rs = 11, en = 10, d4 = 6, d5 = 5, d6 = 4, d7 = 3;</div><div>LiquidCrystal lcd\(rs, en, d4, d5, d6, d7\);</div><div>bool Button1,Button2,Button3,Button4,Button5,Button6,Button7,Button8;</div><div>void setup\(\)](#)

[illegible]

[illegible]

[illegible]

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Button2==LOW & Button3==LOW & Button5==LOW & Button5==LOW</div><div>&
Button6==LOW & Button7==LOW & Button8==LOW<span style="color:
#434f54;"></span></div><div>&nbsp;<span style="color: #d35400;">lcd</span><span style="color:
#d35400;">clear</span><span style="color: #434f54;">)</span></div><div>&nbsp;<span style="color:
#d35400;">lcd</span><span style="color: #d35400;">setCursor</span><span style="color:
#434f54;"></span><span style="color: #005c5f;">0</span>, <span style="color:
#005c5f;">0</span><span style="color: #434f54;"></span></div><div>&nbsp;<span style="color:
#d35400;">lcd</span><span style="color: #d35400;">print</span><span style="color:
#434f54;"></span><span style="color: #005c5f;">"Silahkan Tekan"</span><span style="color:
#434f54;"></span></div><div>&nbsp;<span style="color: #d35400;">lcd</span><span style="color:
#d35400;">setCursor</span><span style="color: #434f54;"></span><span style="color:
#005c5f;">0</span>, <span style="color: #005c5f;">1</span><span style="color:
#434f54;"></span></div><div>&nbsp;<span style="color: #d35400;">lcd</span><span style="color:
#d35400;">print</span><span style="color: #434f54;"></span><span style="color: #005c5f;">"Salah
Satu SW"</span><span style="color: #434f54;"></span></div><div>&nbsp;</div><div>&nbsp;<span
style="color: #728e00;">else</span></div><div>&nbsp;<span style="color:
#d35400;">lcd</span><span style="color: #d35400;">clear</span><span style="color:
#434f54;">)</span></div><div>&nbsp;<span style="color: #d35400;">lcd</span><span style="color:
#d35400;">setCursor</span><span style="color: #434f54;"></span><span style="color:
#005c5f;">0</span>, <span style="color: #005c5f;">0</span><span style="color:
#434f54;"></span></div><div>&nbsp;<span style="color: #d35400;">lcd</span><span style="color:
#d35400;">print</span><span style="color: #434f54;"></span><span style="color:
#005c5f;">"Error"</span><span style="color:
#434f54;"></span></div><div>&nbsp;</div><div>&nbsp;<span style="color:
#d35400;">delay</span><span style="color: #434f54;"></span><span style="color:
#005c5f;">100</span><span style="color: #434f54;"></span><span style="color: #95a5a6;"> //
Tambahkan penundaan agar tampilan tidak berubah terlalu
cepat</span></div><div></div></div></div></div></div></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: center;"><br
/></div></div></span></div><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;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a
name="kondisi">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><div style="border: 0px; box-sizing: border-box; margin: 0px;
padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px; text-align: left;">&nbsp;&nbsp;&nbsp;</span><span style="background-color: white; text-align:
left;">Ketika salah satu dari 8 switch diklik maka akan dibaca oleh Arduino dan, arduino akan
memberikan perintah untuk menampilkan warna switch yang diklik tersebut pada
LCD.</span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align:

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justify;">
</div><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;"></p><div style="border: 0px; box-sizing: border-box; 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="f652f71790051886" height="266" id="BLOG_video-f652f71790051886" 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
[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→ klik disini
</div><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;">□ Gambar Rangkaian → klik disini<br style="box-sizing: border-box;" /><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">□ Video Demo → klik disini<br style="box-sizing: border-box;" /><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">□ Listing Program → klik disini</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: "open sans"; arial, helvetica, sans-serif; font-size: 15px;" /></p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: left;">
</p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: left;">
</p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: left;">
</p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 1px; padding: 0px; text-align: left;">
</p></div>