

[illegible]

border-box; color: #444444; font-family: "open sans"; arial, helvetica, sans-serif; font-size: x-large; font-weight: 400; margin: 0px; padding: 0px; text-align: center;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="color: black; font-family: "Times New Roman"; font-size: medium; text-align: left;">Pada percobaan 6 kondisi 3 kondisi rangkaian yaitu Button 1 - 4 menampilkan "LEI" di kolom 1 ,button 5 - 8 menampilkan "DTE" di kolom 1</div><div>
</div></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">
</div></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: "open sans"; arial, helvetica, sans-serif; font-weight: 400; margin: 0px; padding: 0px; text-align: center;"><b style="color: black; font-family: arial; text-align: left;"><div style="font-size: medium;"><b style="border: 0px; box-sizing: border-box; color: #444444; font-family: "open sans"; arial, helvetica, sans-serif; font-size: large; margin: 0px; padding: 0px;">
</div></div></div>1.
Prosedur

[Kembali]<div><ul style="background-color: white; color: #222222; font-family: arial; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Rangkailah semua komponen <li style="margin: 0px 0px 0.25em; padding: 0px;">Buat program di aplikasi arduino IDE<li style="margin: 0px 0px 0.25em; padding: 0px;">Setelah selesai, masukkan program ke arduino <li style="margin: 0px 0px 0.25em; padding: 0px;">Jalankan program pada simulasi dan lakukan sesuai kondisi<div><div><div style="text-align: justify; text-indent: -24px;">
</div>

2. Hardware dan diagram blok [Kembali]</div><div>
</div><div>a.

Hardware</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 class="separator"

<div class="separator" style="background-color: white; clear: both; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px;"><div class="separator" style="clear: both;"> </div></div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: start;">1. Arduino Uno<br style="font-family: Georgia, Utopia, "Palatino Linotype", Palatino, serif;" />2. Switch<br style="font-family: Georgia, Utopia, "Palatino Linotype", Palatino, serif;" />3. LCD 16x2</div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: start;">
</div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: start;">b. Diagram blok</div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: start;">
</div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: start;"><div class="separator" style="clear: both; text-align: center;"></div>
</div></div></div><div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: arial; margin: 0px; padding: 0px;"><div class="separator" style="border: 0px; box-sizing: border-box; clear: both; margin: 0px; padding: 0px; text-align: center;">
</div></div>

3. Rangkaian Simulasi dan Prinsip Kerja [Kembali]</div><div>
</div><div>a) Gambar rangkaian sebelum dijalankan</div><div>
</div><div><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEir-toGnANDVf7jOYxS8Z6lpBcf8

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hijau, biru dalam keadaan aktif High, sedangkan
SW1,SW2,SW3,SW4 dalam keadaan aktif low, maka pada LCD akan menampilkan teks
berupa "LEI"
c. Jika seluruh button atau Switch dalam kondisi aktif low maka pada LCD akan menampilkan teks
berupa "silahkan tekan salah satu SW"
d. Jika diberikan selain kondisi seperti a dan b maka pada LCD akan menampilkan "Error" karena kondisi ini tidak sesuai dengan kondisi yang diatur pada kodingan arduino uno.

4. Flowchart
[\[Kembali\]](#)

```
a. Listing Program
#include
<LiquidCrystal.h>
#define PB1 A0
#define PB2 A1
#define PB3 A2
#define PB4 A3
#define PB5 A4
#define PB6 A5
#define PB7
```

```
#005c5f;">12</span></div><div style="background-color: white; color: #4e5b61; font-family:
Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;"><span
style="color: #728e00;">#define</span> <span style="color: #d35400;">PB8</span> <span
style="color: #005c5f;">13</span></div><br style="background-color: white; color: #4e5b61;
font-family: Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;"
/><div style="background-color: white; color: #4e5b61; font-family: Consolas, &quot;Courier
New&quot;; monospace; font-size: 14px; white-space: pre;"><span style="color:
#00979d;">const</span> <span style="color: #00979d;">int</span> rs = <span style="color:
#005c5f;">11</span>, en = <span style="color: #005c5f;">10</span>, d4 = <span style="color:
#005c5f;">6</span>, d5 = <span style="color: #005c5f;">5</span>, d6 = <span style="color:
#005c5f;">4</span>, d7 = <span style="color: #005c5f;">3</span>;</div><div
style="background-color: white; color: #4e5b61; font-family: Consolas, &quot;Courier New&quot;;
monospace; font-size: 14px; white-space: pre;">LiquidCrystal <span style="color:
#d35400;">lcd</span><span style="color: #434f54;">(</span>rs, en, d4, d5, d6, d7<span
style="color: #434f54;">)</span></div><br style="background-color: white; color: #4e5b61;
font-family: Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;"
/><div style="background-color: white; color: #4e5b61; font-family: Consolas, &quot;Courier
New&quot;; monospace; font-size: 14px; white-space: pre;"><span style="color:
#00979d;">bool</span> Button1, Button2, Button3, Button4, Button5, Button6, Button7,
Button8;</div><br style="background-color: white; color: #4e5b61; font-family: Consolas,
&quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;" /><div
style="background-color: white; color: #4e5b61; font-family: Consolas, &quot;Courier New&quot;;
monospace; font-size: 14px; white-space: pre;"><span style="color: #00979d;">void</span> <span
style="color: #d35400;">setup</span><span style="color: #434f54;">()</span> <span style="color:
#434f54;">{</span></div><div style="background-color: white; color: #4e5b61; font-family:
Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;">&nbsp; <span
style="color: #d35400;">Serial</span>.<span style="color: #d35400;">begin</span><span
style="color: #434f54;">(</span><span style="color: #005c5f;">9600</span><span style="color:
#434f54;">)</span></div><div style="background-color: white; color: #4e5b61; font-family:
Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;">&nbsp; <span
style="color: #d35400;">lcd</span>.<span style="color: #d35400;">begin</span><span style="color:
#434f54;">(</span><span style="color: #005c5f;">16</span>, <span style="color:
#005c5f;">2</span><span style="color: #434f54;">)</span></div><br style="background-color:
white; color: #4e5b61; font-family: Consolas, &quot;Courier New&quot;; monospace; font-size: 14px;
white-space: pre;" /><div style="background-color: white; color: #4e5b61; font-family: Consolas,
&quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;">&nbsp; <span
style="color: #d35400;">pinMode</span><span style="color: #434f54;">(</span><span>PB1, INPUT<span
style="color: #434f54;">)</span></div><div style="background-color: white; color: #4e5b61;
font-family: Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space:
pre;">&nbsp; <span style="color: #d35400;">pinMode</span><span style="color:
#434f54;">(</span><span>PB2, INPUT<span style="color: #434f54;">)</span></div><div
style="background-color: white; color: #4e5b61; font-family: Consolas, &quot;Courier New&quot;;
monospace; font-size: 14px; white-space: pre;">&nbsp; <span style="color:
#d35400;">pinMode</span><span style="color: #434f54;">(</span><span>PB3, INPUT<span style="color:
#434f54;">)</span></div><div style="background-color: white; color: #4e5b61; font-family:
Consolas, &quot;Courier New&quot;; monospace; font-size: 14px; white-space: pre;">&nbsp; <span
style="color: #d35400;">pinMode</span><span style="color: #434f54;">(</span><span>PB4, INPUT<span
style="color: #434f54;">)</span></div><div style="background-color: white; color: #4e5b61;
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