

```
<a name="home"></a>
<br />
<div style="text-align: center;">
    <a href="http://andromeda211024.blogspot.com">[KEMBALI KE MENU
SEBELUMNYA]</a>
</div>
<br />
<center>
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background-color: white; border: 2px dashed rgb(23, 128, 221); height: 240px; overflow:
auto; padding: 10px; text-align: center; width: 330px;">
    <b>DAFTAR ISI</b>
    <br />
    <div style="text-align: left;">
        <a href="#Prosedur">1. Prosedur</a>
    </div>
    <div style="text-align: left;">
        <a href="#Hardware">2. Hardware dan Diagram Blok</a>
    </div>
    <div style="text-align: left;">
        <a href="#Rangkaian">3. Rangkaian Simulasi dan Prinsip Kerja</a>
    </div>
    <div style="text-align: left;">
        <a href="#Flowchart">4. Flowchart dan Listing Program</a>
    </div>
    <div style="text-align: left;">
        <a href="#Kondisi">5. Kondisi</a>
    </div>
    <div style="text-align: left;">
        <a href="#Simulasi">6. Video Demo</a>
    </div>
    <div style="text-align: left;">
        <a href="#Prosedur">7. Soal Analisa</a>
    </div>
    <div style="text-align: left;">
        <a href="#Download">8. Download File</a><br />
    </div>
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</div>
</center><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
serif;"><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
serif;"><b>
```

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<div style="font-size: medium; text-align: center;">
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1. Prosedur

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<a name="Prosedur"></a>
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<a href="#home" style="font-size: medium;">[Kembali]</a></span></span>
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```

1. Rangkai rangkaian pada alat sesuai dengan modul.
2. Tulis program untuk arduino di software Arduino IDE.
3. Compile program tadi, lalu upload ke dalam arduino.
4. Setelah program selesai di upload, jalankan rangkaian.

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2. Hardware dan Diagram Blok

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<a name="Hardware"></a>
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<a href="#home">[Kembali]</a></span></span>
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```
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'Times New Roman';">
    <span style="font-family: times;"><b>Hardware :</b></span>
</p>
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    <div class="separator" style="clear: both; text-align:
center;"><br /></div>
    <br />
    <div class="separator" style="clear: both; text-align: justify;">1.
Arduino</div>
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'Times New Roman'; font-size: 13.2px; margin-left: 1em; margin-right: 1em;
text-decoration-line: none;"></a>
        </div>
        <div class="separator" style="clear: both; text-align: justify;">2.
Keypad</div>
        <div class="separator" style="clear: both; text-align: center;">
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style="margin-left: 1em; margin-right: 1em;"></a>
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            <div class="separator" style="clear: both; text-align: center;">
                <br />
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</div>

<div class="separator" style="clear: both; text-align: justify;">3.

Seven Segment 2 Digit</div>

<div class="separator" style="clear: both; text-align: center;">

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<div class="separator" style="clear: both; text-align: justify;">4.

Breadboard</div>

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<p data-darkreader-inline-bgcolor=""

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border-box; color: #444444; font-family: "Times New Roman"; margin: 0px;

padding: 0px; text-align: justify;">


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roman&quot; , serif;"><span style="font-family: &quot;times&quot; , &quot;times new
roman&quot; , serif; font-size: small;"><b>3. Rangkaian Simulasi dan Prinsip Kerja </b>
    <a name="Rangkaian"></a>
    <a href="#home">[Kembali]</a></span></span>
  </div>
  <div>
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roman&quot; , serif;"><br /></span>
  </div>
  <div>
    <div class="separator" style="clear: both; text-align: center;">
      <div style="text-align: justify;">
        <div>
          <span style="font-family: &quot;times&quot; ,
&quot;times new roman&quot; , serif;"><b>Rangkaian Simulasi Sebelum
dirunning:</b></span>
        </div>
        <div>
          <span style="font-family: &quot;times&quot; ,
&quot;times new roman&quot; , serif;"><br /></span>
        </div>
        <div>
          <div class="separator" style="clear: both;
text-align: center;">
            <div class="separator" style="clear:
both; text-align: center;"><a
href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjhE_dqIx9zJwVY9_q-S
LO7M-pL23NZV3gHp1wwJKM2kKcB9Ft9pdluVqLrLinpgxb9WQA1HKrfRpbY1ctWMcCEyEQ
mWqkC58uMUIcJpCqzkYasQybc61BhwEKmVYMnuIFk5B-LySbeXVOW_ZHfOvg0Wjzyxqt4f
TiyHgXVW6TaU1JE-J09AE1_QKt_euE/s1031/before.PNG" imageanchor="1"
style="margin-left: 1em; margin-right: 1em;"></a></div><br
/><div class="separator" style="clear: both;"><br /></div>
            <br />
            <div class="separator" style="clear:
both;">
              <br />
            </div>
          <div style="text-align: justify;">
            <div style="text-align: left;">

```


arduino akan memproses inputan pada key dengan kodingan yang telah ditetapkan dan akan mengirimkan data ke double seven segment sebagai output. Output yang ditampilkan akan sesuai dengan apa yang tertulis pada key di keypad dari angka 0 - 9, sedangkan untuk "*" dan "#" tidak bisa ditampilkan di seven segment. Karakter seperti "*" dan "#" bukan karakter standar yang dapat ditampilkan oleh seven segmen. Karakter tersebut tidak ada dalam set karakter yang didukung oleh display seven segmen secara default.</div>

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4. Flowchart dan Listing Program

[Kembali]

</div>

<p style="text-align: left;">

<b style="font-family: times, "times new roman", serif;">Flowchart :

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<div>

<p style="font-family: "Times New Roman",">

</p>

<div class="separator" style="clear: both; font-family: "Times New Roman"; text-align: center;">

<a

href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEj5XFtle9fLWvli1vyjo2MlpCE8Jvpazj1PnFaLq6dBNqeDXJ96mFWx1XA2LYtoUz8RXJr7A7jDaHGY-LKSxJ1Cla985yPPJnQiRSLPHMOrZ6yfWx8SLBEJtYLBth5rZKX6qGmkd9vG-vkZaJT2tDxvBHzaRnrpbkylsH67hC4fm5Sv8be1Jy4byhfoib3/s571/Screenshot%202024-03-05%20125106.png"

style="font-family: times, "times new roman", serif; margin-left: 1em; margin-right: 1em;">

</div>

Listing Program :

</div>


```
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    <br />
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    <div>
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```
        <div><div style="background-color: white; color: #4e5b61;
font-family: Consolas, &quot;Courier New&quot;, monospace; font-size: 14px; line-height:
19px; white-space: pre;"><div><span style="color: #95a5a6;"> //Percobaan
2</span></div><div><span style="color: #728e00;">#include</span> <span style="color:
#005c5f;">&lt;Keypad.h&gt;</span></div><div><span style="color: #00979d;">const</span>
byte ROWS = <span style="color: #005c5f;">4</span>;<span style="color: #95a5a6;"> //
Four rows</span></div><div><span style="color: #00979d;">const</span> byte COLS =
<span style="color: #005c5f;">4</span>;<span style="color: #95a5a6;"> // Fou
columns</span></div><div><span style="color: #00979d;">char</span> <span style="color:
#d35400;">keys</span>[ROWS][COLS] = <span style="color:
#434f54;">{</span></div><div><span style="color: #434f54;">{</span>'1','2','3','A'<span
style="color: #434f54;">}</span></div><div><span style="color:
#434f54;">{</span>'4','5','6','B'<span style="color: #434f54;">}</span><span style="color:
#95a5a6;"> // Keypad 4x4 layout</span></div><div><span style="color:
#434f54;">{</span>'7','8','9','C'<span style="color: #434f54;">}</span></div><div><span
style="color: #434f54;">{</span>'*','0','#','D'<span style="color:
#434f54;">}</span></div><div><span style="color: #434f54;">}</span></div><div>byte
<span style="color: #d35400;">rowPins</span>[ROWS] = <span style="color:
#434f54;">{</span>A4, A3, A2, A1<span style="color: #434f54;">}</span>;<span
style="color: #95a5a6;"> // Connect to the keypad row pins</span></div><div>byte <span
style="color: #d35400;">colPins</span>[COLS] = <span style="color:
#434f54;">{</span><span style="color: #005c5f;">10</span>, <span style="color:
#005c5f;">11</span>, <span style="color: #005c5f;">12</span><span style="color:
#434f54;">}</span>;<span style="color: #95a5a6;"> // Connect to the keypad column
pins</span></div><div>Keypad keypad = <span style="color:
#d35400;">Keypad</span><span style="color: #434f54;">(</span><span style="color:
#d35400;">makeKeymap</span><span style="color: #434f54;">(</span>keys<span
style="color: #434f54;">)</span>, rowPins, colPins, ROWS, COLS<span style="color:
#434f54;">)</span></div><div><span style="color: #00979d;">const</span> <span
style="color: #00979d;">int</span> segmentPins[] = <span style="color:
#434f54;">{</span><span style="color: #005c5f;">2</span>, <span style="color:
#005c5f;">3</span>, <span style="color: #005c5f;">4</span>, <span style="color:
#005c5f;">5</span>, <span style="color: #005c5f;">6</span>, <span style="color:
#005c5f;">7</span>, <span style="color: #005c5f;">8</span>, <span style="color:
#005c5f;">9</span><span style="color: #434f54;">}</span>;<span style="color: #95a5a6;">
// Connect to the seven-segment display segment pins</span></div><div><span
style="color: #00979d;">void</span> <span style="color: #d35400;">setup</span><span
style="color: #434f54;">(</span><span style="color: #434f54;">)</span><span style="color: #434f54;">{</span></div><div>&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><span
style="color: #728e00;">for</span> <span style="color: #434f54;">(</span><span
style="color: #00979d;">int</span> i = <span style="color: #005c5f;">0</span>; i &lt; <span
```



```

style="color: #005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">0</span>, <span style="color: #005c5f;">1</span><span
style="color: #434f54;">></span>,<span style="color: #95a5a6;">
//b</span></div><div><span style="color: #434f54;">{</span><span style="color:
#005c5f;">0</span>, <span style="color: #005c5f;">1</span>, <span style="color:
#005c5f;">1</span>, <span style="color: #005c5f;">0</span>, <span style="color:
#005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span style="color:
#005c5f;">1</span>, <span style="color: #005c5f;">1</span><span style="color:
#434f54;">></span>,<span style="color: #95a5a6;"> //c</span></div><div><span
style="color: #434f54;">{</span><span style="color: #005c5f;">1</span>, <span
style="color: #005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">1</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">1</span><span style="color: #434f54;">></span>,<span style="color:
#95a5a6;"> //d</span></div><div><span style="color: #434f54;">></span>;</div><div><span
style="color: #728e00;">if</span> <span style="color: #434f54;">((</span><span>ch &gt;= '0'
&amp;&amp; ch &lt;= '9'<span style="color: #434f54;">></span>) || <span style="color:
#434f54;">(</span><span>ch &gt;= 'A' &amp;&amp; ch &lt;= 'D'<span style="color:
#434f54;">>)</span> <span style="color: #434f54;">{</span></div><div><span style="color:
#95a5a6;">// Get the digit index (0-9) from the character</span></div><div><span
style="color: #00979d;">int</span> index = <span style="color: #434f54;">(</span><span>ch &lt;=
'9'<span style="color: #434f54;">></span>? <span style="color: #434f54;">(</span><span>ch -
'0'<span style="color: #434f54;">></span> : <span style="color: #434f54;">(</span><span>ch - 'A' +
<span style="color: #005c5f;">10</span><span style="color:
#434f54;">></span>)</span>)</div><div><span style="color: #95a5a6;">// Write the pattern to the
segment pins</span></div><div><span style="color: #728e00;">for</span> <span
style="color: #434f54;">(</span><span><span style="color: #00979d;">int</span> i = <span
style="color: #005c5f;">0</span>; i &lt; <span style="color: #005c5f;">7</span>; i++<span
style="color: #434f54;">)</span> <span style="color: #434f54;">{</span></div><div><span
style="color: #d35400;">digitalWrite</span><span style="color: #434f54;">(</span><span><span
style="color: #d35400;">segmentPins</span>[i], <span style="color:
#d35400;">patterns</span>[index][i]<span style="color:
#434f54;">)</span>)</div><div><span style="color: #434f54;">></span></div><div><span
style="color: #434f54;">></span></div><div><span style="color:
#434f54;">></span></div><div><span style="color: #00979d;">void</span> <span
style="color: #d35400;">clearDisplay</span><span style="color: #434f54;">()</span> <span
style="color: #434f54;">{</span></div><div><span style="color: #728e00;">for</span>
<span style="color: #434f54;">(</span><span><span style="color: #00979d;">int</span> i = <span
style="color: #005c5f;">0</span>; i &lt; <span style="color: #005c5f;">8</span>; i++<span
style="color: #434f54;">)</span> <span style="color: #434f54;">{</span></div><div><span
style="color: #d35400;">digitalWrite</span><span style="color: #434f54;">(</span><span><span
style="color: #d35400;">segmentPins</span>[i], HIGH<span style="color:
#434f54;">)</span>)</div><div><span style="color: #434f54;">></span></div><div><span
style="color: #434f54;">></span></div></div></div>
<div><br /></div>
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<p style="text-align: left;">
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<div style="text-align: left;">
    <b style="font-family: times, &quot;times new roman&quot;, serif;">5.
Kondisi</b><span style="font-family: times, &quot;times new roman&quot;,
serif;"></span><a name="Kondisi" style="font-family: times, &quot;times new roman&quot;,
serif;"></a><span style="font-family: times, &quot;times new roman&quot;,
serif;"></span><a href="#home" style="font-family: times, &quot;times new roman&quot;,
serif;">[Kembali]</a>
    </div>
<div style="text-align: left;">
    <br />
</div>
<div style="text-align: left;">Percobaan 2 : Keypad dan Seven Segment</div>
<div style="text-align: left;">
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    <span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif;"><span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif; font-size: small;"><b>6. Video Demo&nbsp;</b><a
name="Simulasi"></a><a href="#home">[Kembali]</a></span></span>
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roman&quot;, serif;"><br /></span>
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        <div class="separator" style="clear: both; text-align: center;">
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<div>
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roman&quot;, serif;"><span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif; font-size: small;"><b>7. Soal Analisa </b>
    <a name="Soal"></a>
    <a href="#home" style="font-size:
medium;">[Kembali]</a></span></span>
    </div>
<div>
    <span style="font-family: times, times new roman, serif;"><br
/></span>

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<div>

Listing Program Download

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Datasheet Arduino Download

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Datasheet Button Download

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<div>

<span style="font-family:

"times" , "times new roman" , serif;">Datasheet seven segment Download

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<span style="font-family:

"times" , "times new roman" , serif;">Datasheet

Keypad Download

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</div>
<a name="home"></a>
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<div style="text-align: center;">
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<a href="http://andromeda211024.blogspot.com">[KEMBALI KE MENU
SEBELUMNYA]</a>
</div>
<br />
<center>
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--darkreader-inline-border-bottom: #1264ad; --darkreader-inline-border-left: #1264ad;
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background-color: white; border: 2px dashed rgb(23, 128, 221); height: 240px; overflow:
auto; padding: 10px; text-align: center; width: 330px;">
  <b>DAFTAR ISI</b>
  <br />
  <div style="text-align: left;">
    <a href="#Prosedur">1. Prosedur</a>
  </div>
  <div style="text-align: left;">
    <a href="#Hardware">2. Hardware dan Diagram Blok</a>
  </div>
  <div style="text-align: left;">
    <a href="#Rangkaian">3. Rangkaian Simulasi dan Prinsip Kerja</a>
  </div>
  <div style="text-align: left;">
    <a href="#Flowchart">4. Flowchart dan Listing Program</a>
  </div>
  <div style="text-align: left;">
    <a href="#Kondisi">5. Kondisi</a>
  </div>
  <div style="text-align: left;">
    <a href="#Simulasi">6. Video Demo</a>
  </div>
  <div style="text-align: left;">
    <a href="#Prosedur">7. Soal Analisa</a>
  </div>
  <div style="text-align: left;">
    <a href="#Download">8. Download File</a><br />
  </div>
  <div style="text-align: left;">
    <br />
  </div>
</div>
</center><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
serif;"><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
serif;"><b>
<div style="font-size: medium; text-align: center;">
```


</div>

1. Prosedur

[Kembali]

<div>

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</div>

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1. Rangkai rangkaian pada alat sesuai dengan modul.
2. Tulis program untuk arduino di software Arduino IDE.
3. Compile program tadi, lalu upload ke dalam arduino.
4. Setelah program selesai di upload, jalankan rangkaian.

</div>

<div data-darkreader-inline-bgcolor="" data-darkreader-inline-border-bottom="" data-darkreader-inline-border-left="" data-darkreader-inline-border-right="" data-darkreader-inline-border-top="" style="--darkreader-inline-bgcolor: #191b1c; --darkreader-inline-border-bottom: initial; --darkreader-inline-border-left: initial; --darkreader-inline-border-right: initial; --darkreader-inline-border-top: initial; background-color: white; border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">

</div>

<div>

<div>

2. Hardware dan Diagram Blok

[Kembali]

</div>

<div>

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```

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    </p>
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        <div class="separator" style="clear: both; text-align:
center;"><br /></div>
        <br />
        <div class="separator" style="clear: both; text-align: justify;">1.
Arduino</div>
        <div class="separator" style="clear: both; text-align: center;">
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'Times New Roman'; font-size: 13.2px; margin-left: 1em; margin-right: 1em;
text-decoration-line: none;"></a>
            </div>
        <div class="separator" style="clear: both; text-align: justify;">2.
Keypad</div>
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style="margin-left: 1em; margin-right: 1em;"></a>
            </div>
        <br />
        <div class="separator" style="clear: both; text-align: center;">
            <br />
        </div>
        <div class="separator" style="clear: both; text-align: justify;">3.
Seven Segment 2 Digit</div>

```

```
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</div>
```

```
<div class="separator" style="clear: both; text-align: justify;">4. Breadboard</div>
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```

```
</div>
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```

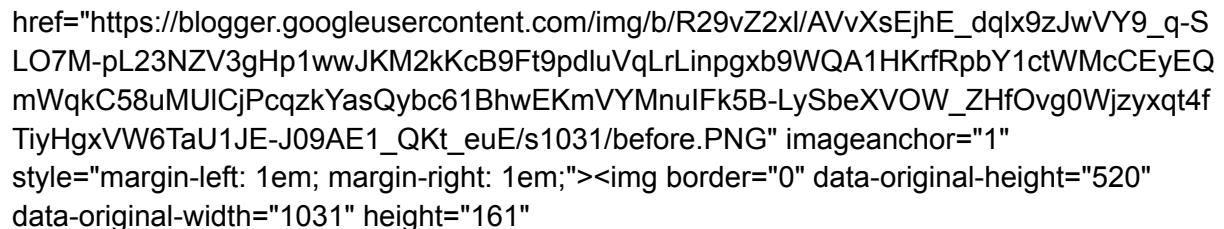
```
<span data-darkreader-inline-border-bottom="" data-darkreader-inline-border-left="" data-darkreader-inline-border-right="" data-darkreader-inline-border-top="" style="--darkreader-inline-border-bottom: initial; --darkreader-inline-border-left: initial; --darkreader-inline-border-right: initial;
```

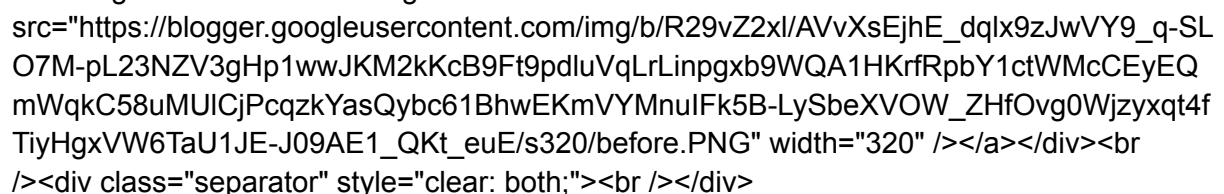

3. Rangkaian Simulasi dan Prinsip Kerja

[Rangkaian](#)

[\[Kembali\]](#)

Rangkaian Simulasi Sebelum





Rangkaian Simulasi Setelah

```

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style="clear: both;"><br /></div>
    <br /><b><br
/></b></span><div class="separator" style="clear: both; text-align: center;"><a
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style="margin-left: 1em; margin-right: 1em;"></a></div><br />
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<div>
  <span style="font-family: &quot;times&quot; , &quot;times new
roman&quot; , serif;"><b><br /></b></span>
</div>
<div>
  <span style="font-family: &quot;times&quot; , &quot;times new
roman&quot; , serif;"><b>Prinsip Kerja :</b></span>
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<div>
  <br />
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<div>
  <div style="text-align: justify;">
    &nbsp;&nbsp;&nbsp;<span style="font-family: inherit;">
&nbsp;&nbsp;&nbsp;</span><span style="font-family: inherit;">Keypad 4 baris * 3 kolom terhubung
dengan arduino sebagai input . Double seven segment dengan arduino sebagai output.
Prinsip kerjanya adalah mikrokontroler akan melakukan scanning terus menerus ke key,
sampai key ditekan, maka scan akan berhenti dan mikrokontroler akan melakukan
identifikasi posisi dari key dengan pembacaan RnCb ketika salah satu key ditekan. Lalu
arduino akan memproses inputan pada key dengan kodingan yang telah ditetapkan dan
akan mengirimkan data ke double seven segment sebagai output. Output yang ditampilkan
akan sesuai dengan apa yang tertulis pada key di keypad dari angka 0 - 9, sedangkan untuk

```


** dan # tidak bisa ditampilkan di seven segment. Karakter seperti '*' dan '#' bukan karakter standar yang dapat ditampilkan oleh seven segmen. Karakter tersebut tidak ada dalam set karakter yang didukung oleh display seven segmen secara default.</div>

</div>

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</div>

<div>

4. Flowchart dan Listing Program

[Kembali]

</div>

<p style="text-align: left;">

<b style="font-family: times, "times new roman"; serif;">Flowchart :

</p>

<div>

<p style="font-family: "Times New Roman";">

</p>

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<a

href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEj5XFtle9fLWvlid1vyjo2MlpCE8Jvpazj1PnFaLq6dBNqeDXJ96mFWx1XA2LYtoUz8RXJr7A7jDaHGY-LKSxJ1Cl985yPPJnQiRSLPHMOrZ6yfWx8SLBEJtYLBth5rZKX6qGmkd9vG-vkZaJT2tDxvBHZAARnrpkylsH67hC4fm5Sv8be1Jy4byhfoib3/s571/Screenshot%202024-03-05%20125106.png"

style="font-family: times, "times new roman"; serif; margin-left: 1em; margin-right: 1em;">

</div>

Listing Program :

</div>

<div>

</div>


```

style="color: #434f54;"}</span>, <span style="color: #95a5a6;">
//b</span></div><div><span style="color: #434f54;">{</span><span style="color:
#005c5f;">0</span>, <span style="color: #005c5f;">1</span>, <span style="color:
#005c5f;">1</span>, <span style="color: #005c5f;">0</span>, <span style="color:
#005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span style="color:
#005c5f;">1</span>, <span style="color: #005c5f;">1</span><span style="color:
#434f54;">}</span>, <span style="color: #95a5a6;"> //c</span></div><div><span
style="color: #434f54;">{</span><span style="color: #005c5f;">1</span>, <span
style="color: #005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">0</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">1</span>, <span style="color: #005c5f;">0</span>, <span
style="color: #005c5f;">1</span><span style="color: #434f54;">}</span>, <span style="color:
#95a5a6;"> //d</span></div><div><span style="color: #434f54;">}</span>;</div><div><span
style="color: #728e00;">if</span> <span style="color: #434f54;">((</span>ch &gt;= '0'
&amp;&amp; ch &lt;= '9'<span style="color: #434f54;">)</span> || <span style="color:
#434f54;">(</span>ch &gt;= 'A' &amp;&amp; ch &lt;= 'D'<span style="color:
#434f54;">))</span> <span style="color: #434f54;">{</span></div><div><span style="color:
#95a5a6;">// Get the digit index (0-9) from the character</span></div><div><span
style="color: #00979d;">int</span> index = <span style="color: #434f54;">(</span>ch &lt;=
'9'<span style="color: #434f54;">)</span>? <span style="color: #434f54;">(</span>ch -
'0'<span style="color: #434f54;">)</span> : <span style="color: #434f54;">(</span>ch - 'A' +
<span style="color: #005c5f;">10</span><span style="color:
#434f54;">)</span>;</div><div><span style="color: #95a5a6;">// Write the pattern to the
segment pins</span></div><div><span style="color: #728e00;">for</span> <span
style="color: #434f54;">(</span><span style="color: #00979d;">int</span> i = <span
style="color: #005c5f;">0</span>; i &lt; <span style="color: #005c5f;">7</span> <span
style="color: #434f54;">)</span> <span style="color: #434f54;">{</span></div><div><span
style="color: #d35400;">digitalWrite</span><span style="color: #434f54;">(</span><span
style="color: #d35400;">segmentPins</span>[i], <span style="color:
#d35400;">patterns</span>[index][i]<span style="color:
#434f54;">)</span>;</div><div><span style="color: #434f54;">}</span></div><div><span
style="color: #434f54;">}</span></div><div><span style="color:
#434f54;">}</span></div><div><span style="color: #00979d;">void</span> <span
style="color: #d35400;">clearDisplay</span><span style="color: #434f54;">()</span> <span
style="color: #434f54;">{</span></div><div><span style="color: #728e00;">for</span>
<span style="color: #434f54;">(</span><span style="color: #00979d;">int</span> i = <span
style="color: #005c5f;">0</span>; i &lt; <span style="color: #005c5f;">8</span> <span
style="color: #434f54;">)</span> <span style="color: #434f54;">{</span></div><div><span
style="color: #d35400;">digitalWrite</span><span style="color: #434f54;">(</span><span
style="color: #d35400;">segmentPins</span>[i], HIGH<span style="color:
#434f54;">)</span>;</div><div><span style="color: #434f54;">}</span></div><div><span
style="color: #434f54;">}</span></div></div></div>
</div><br /></div>
</div>
<p style="text-align: left;">
<span style="font-family: times, times new roman, serif;"></span>
</p>

```

```

<div style="text-align: left;">
    <b style="font-family: times, &quot;times new roman&quot;, serif;">5.
Kondisi</b><span style="font-family: times, &quot;times new roman&quot;,
serif;"></span><a name="Kondisi" style="font-family: times, &quot;times new roman&quot;,
serif;"></a><span style="font-family: times, &quot;times new roman&quot;,
serif;"></span><a href="#home" style="font-family: times, &quot;times new roman&quot;,
serif;">[Kembali]</a>
</div>
<div style="text-align: left;">
    <br />
</div>
<div style="text-align: left;">Percobaan 2 : Keypad dan Seven Segment</div>
<div style="text-align: left;">
    <br />
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<div>
    <span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif;"><span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif; font-size: small;"><b>6. Video Demo&nbsp;&nbsp;&lt;/b><a
name="Simulasi"></a><a href="#home">[Kembali]</a></span></span>
</div>
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/></div>
    <br /><span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif;"><br /></span>
</div>
<div>
    <div class="separator" style="clear: both; text-align: center;">
        <div class="separator" style="clear: both; text-align: center;">
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<div>
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roman&quot;, serif;"><span style="font-family: &quot;times&quot;, &quot;times new
roman&quot;, serif; font-size: small;"><b>7. Soal Analisa </b>
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medium;">[Kembali]</a></span></span>
</div>
<div>
    <span style="font-family: times, times new roman, serif;"><br
/></span>
</div>
<div>
    <span style="font-family: times, times new roman, serif;">

```


ditekan, maka mikrokontroler akan berhenti melakukan scanning selama key tersebut ditekan, sehingga saat ditekan lagi key lainnya, maka key yang lain tersebut tidak akan memunculkan output karena tidak ter-scanning

```
</span></span></div><br /></div>
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<div>
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    <span style="font-family: &quot;times&quot; ,
&quot;times new roman&quot; , serif;"><span style="font-family: &quot;times&quot; ,
&quot;times new roman&quot; , serif; font-size: small;"><b>8. Download File </b>
    <a name="Download"></a>
    <a
href="#home">[Kembali]</a></span></span><br />
    </div>
    <div>
      <div>
        <div>
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&quot;times&quot; , &quot;times new roman&quot; , serif;"><br /></span>
        </div>
        <div>
          <span style="font-family:
&quot;times&quot; , &quot;times new roman&quot; , serif;">HTML&nbsp;<span><a
href=".">Download</a></span></span>
        </div>
        <div>
          <span style="font-family:
&quot;times&quot; , &quot;times new roman&quot; , serif;">File
Rangkaian&nbsp;</span><span><a
href="https://drive.google.com/file/d/1hGBJVFSUK5SieySn_tPSNoeKc_R0TDsi/view?usp=s
haring">Download</a></span><br />Video Percobaan&nbsp;<span><a
href="https://youtu.be/NzRsB7rTkPk?feature=shared">Download</a></span></span>
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<span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
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serif;">Listing Program Download

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Datasheet Arduino Download

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Datasheet Button Download

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<span style="font-family:

"times" , "times new roman" , serif;">Datasheet seven segment Download

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<div>

<span style="font-family:

"times" , "times new roman" , serif;">Datasheet Keypad Download

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  <span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
serif;"><br /></span>
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