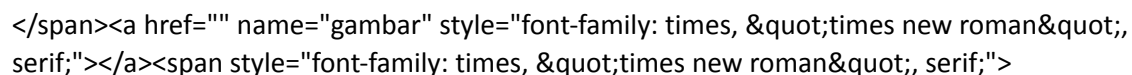


```
<p><a name="home"></a>
</p><h2 style="text-align: left;">Tugas Pendahuluan Modul 3<br /></h2>
<div style="text-align: center;">
<a href="#">[KEMBALI KE MENU SEBELUMNYA]</a></div>
<br />
<center>
<div style="background-color: white; border: 2px dashed rgb(23, 128, 221); height: 240px; overflow:
auto; padding: 10px; text-align: center; width: 330px;"><div class="separator" style="clear: both;
text-align: center;"><br /></div>
<b>DAFTAR ISI</b>
<br />
<div style="text-align: left;">
<a href="#kondisi">1. Kondisi</a></div>
<div style="text-align: left;">
<a href="#gambar">2. Rangkaian Simulasi</a></div>
<div style="text-align: left;">
<a href="#video">3. Flowchart &nbsp;</a></div>
<div style="text-align: left;">
<a href="#prinsip">4. Listing Program</a><br />
<div style="text-align: left;">
<a href="#link">5. Video Simulasi</a></div>
<div style="text-align: left;">
<a href="#link">6. Link Download</a></div>
</div>
</div>
</center>
<div style="text-align: justify;">
<span style="font-family: &quot;times&quot; , &quot;times new roman&quot; ,
serif;"><b>&nbsp;</b></span></div><div style="text-align: justify;"><span style="font-family:
&quot;times&quot; , &quot;times new roman&quot; , serif;"><b>1. Kondisi</b>
<a href="" name="kondisi"></a>
```

[\[Kembali\]](#home)

Buatlah led menyala ketika potensiometer 0% dan led padam ketika potensiometer 100%

2. Rangkaian Simulasi



[\[Kembali\]](#home)

LED menyala ketika kondisi potensiometer 0%

LED mati ketika kondisi potensiometer 100%
--

3. Flowchart

```

href="https://blogger.googleusercontent.com/img/a/AVvXsEhY8bzW7bLjw2-5_mxE8lj0Aj59RWanAlfRlZ8VpnUFOZvbgqVxZeJEtstNAfb7zvMW6rGzpl0OQkUh_89vPW-prrC55ZnoEjejlQdY_TY9VuSNrEtYbABjJbc3EO_8MsXWuGgJySx14LI3HE0pc0nXwVTJJC3mgl6TQu8b2GHwfRgXhGTRK-rYvCb_5s580" style="margin-left: 1em; margin-right: 1em;"><br /><br /></a><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/a/AVvXsEhY8bzW7bLjw2-5_mxE8lj0Aj59RWanAlfRlZ8VpnUFOZvbgqVxZeJEtstNAfb7zvMW6rGzpl0OQkUh_89vPW-prrC55ZnoEjejlQdY_TY9VuSNrEtYbABjJbc3EO_8MsXWuGgJySx14LI3HE0pc0nXwVTJJC3mgl6TQu8b2GHwfRgXhGTRK-rYvCb_5s580" style="margin-left: 1em; margin-right: 1em;"></a></div><br /></div></span></div><div style="text-align: justify;"><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; , serif;"><b><br /></b></span></div><div style="text-align: justify;"><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; , serif;"><div class="separator" style="clear: both; text-align: center;"><br /></div><br /></span></div><div style="text-align: justify;"><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; , serif;"><b><br /></b></span></div><div style="text-align: justify;"><span style="font-family: &quot;times&quot; , &quot;times new roman&quot; , serif;"><b>4. Listing Program&nbsp;</b><a href="#home">[Kembali]</a></span></div><div style="text-align: justify;"><br /></div><div style="text-align: justify;"><div class="separator" style="clear: both; text-align: left;"><div class="separator" style="clear: both;"><div class="separator" style="clear: both;">//MASTER</div><div class="separator" style="clear: both;"><br /></div><div class="separator" style="clear: both;">#include <Wire.h></div><div class="separator" style="clear: both;">#define MASTER_ADDR 9</div><div class="separator" style="clear: both;">//0-127 alamat 12</div><div class="separator" style="clear: both;">int analogPin = 0;</div><div class="separator" style="clear: both;">int val = 0;</div><div class="separator" style="clear: both;">void setup() {</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">Wire.begin();</div><div class="separator" style="clear: both;">//siap mengirimkan data</div><div class="separator" style="clear: both;">}</div><div class="separator" style="clear: both;"><br /></div><div class="separator" style="clear: both;">void loop() {</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">delay(50);</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">val = map(analogRead(analogPin), 0, 1023, 255, 1);</div><div class="separator" style="clear: both;">//pembacaan potensiometer, prubahan poten, proses adc</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">//0-123adc</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">//1-255pwm</div><div class="separator" style="clear: both;"><br /></div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">Wire.beginTransmission(MASTER_ADDR);</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">Wire.write(val);</div><div class="separator" style="clear: both;">//dituliskan sesua dg value y didapatkan</div><div class="separator" style="clear: both;">&nbsp;<div class="separator" style="clear: both;">Wire.endTransmission();</div><div class="separator" style="clear: both;"><br /></div><div class="separator" style="clear: both;">}</div><div class="separator" style="clear: both;"><br /></div><div class="separator" style="clear: both;">}</div><div class="separator" style="clear: both;">#include <Wire.h></div><div class="separator" style="clear: both;">#define SLAVE_ADDR 9</div><div class="separator" style="clear: both;"><br /></div><div class="separator" style="clear: both;">int LED = 13;</div><div class="separator" style="clear:

```

```

both;int rd;</div><div class="separator" style="clear: both;">int br;</div><div class="separator"
style="clear: both;"><br /></div><div class="separator" style="clear: both;">void setup() {</div><div
class="separator" style="clear: both;">&nbsp; pinMode(LED, OUTPUT);</div><div class="separator"
style="clear: both;">&nbsp; Wire.begin(SLAVE_ADDR);</div><div class="separator" style="clear:
both;">&nbsp; Wire.onReceive(receiveEvent);</div><div class="separator" style="clear: both;"><br
/></div><div class="separator" style="clear: both;">}</div><div class="separator" style="clear:
both;"><br /></div><div class="separator" style="clear: both;">void receiveEvent() {</div><div
class="separator" style="clear: both;">&nbsp; rd = Wire.read();</div><div class="separator"
style="clear: both;">}</div><div class="separator" style="clear: both;">void loop() {</div><div
class="separator" style="clear: both;">&nbsp; delay(50);</div><div class="separator" style="clear:
both;"><br /></div><div class="separator" style="clear: both;">&nbsp; br = map(rd, 1, 255, 100,
2000);</div><div class="separator" style="clear: both;"><br /></div><div class="separator"
style="clear: both;">&nbsp; if (br == 2000){</div><div class="separator" style="clear: both;">&nbsp;
delay(1000);</div><div class="separator" style="clear: both;">&nbsp; digitalWrite(LED,
HIGH);</div><div class="separator" style="clear: both;">&nbsp; }else{</div><div class="separator"
style="clear: both;">&nbsp; delay(1000);</div><div class="separator" style="clear: both;">&nbsp;
digitalWrite(LED, LOW);</div><div class="separator" style="clear: both;">&nbsp; }</div><div
class="separator" style="clear: both;">}</div><div class="separator" style="clear: both;"><br
/></div></div></div></div></div><div style="text-align: justify;"><span style="font-family:
'"times" , "times new roman" , serif;"><b><br /></b></span></div><div
style="text-align: justify;"><span style="font-family: 'times' , 'times new
roman' , serif;"><b>5. Video Simulasi</b>

```


[\[Kembali\]

](#home)

```

<div class="separator" style="clear: both; text-align: center;"><object class="BLOG_video_class"
contentid="ad18bd6f1137f611" height="266" id="BLOG_video-ad18bd6f1137f611"
width="320"></object></div><h4 style="text-align: justify;"><div class="separator" style="clear:
both; text-align: center;"><br /></div></h4><div style="text-align:
justify;"><p><span><b></b></span></p>

```

```

<div style="text-align: justify;"><span style="font-family: 'times' , 'times new
roman' , serif;"><b>6. Link Download</b>

```


[\[Kembali\]
](#home)

```

<p>File HTML -&nbsp;<a
href="https://docs.google.com/document/d/1XxA2rH7_Vv5xKgFh5Qs09wMgSTMGvR5-/edit?usp=sh
aring&ouid=116573602144014620173&rtpof=true&sd=true"
target="_blank">Download</a></p><p>File Rangkaian Simulasi -&nbsp;<a
href="https://drive.google.com/file/d/1BWZDamz0jknXWNGQjJD_WOO_GnXNY80R/view?usp=shari
ng" target="_blank">Download</a></p><p>File Video Simulasi -&nbsp;<a
href="https://drive.google.com/file/d/1xJHVFeg2lDdGugCLqxfl2uvmyPUWLFyT/view?usp=sharing"
target="_blank">Download</a></p><p>File Program -&nbsp;<a

```

[Download](https://drive.google.com/file/d/1QE9Ty2d5MpsrDvDFAx6ka1vT8n9QiaQv/view?usp=sharing)

separator

clear: both; text-align: center;