

```
<a name="home"></a><br />
<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;">
<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 dan diagram">2. Hardware dan diagram blok</a></div>
<div style="text-align: left;">
<a href="#rangkaiian dan prinsip">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="#video">6. Video simulasi</a></div>
<div style="text-align: left;">
<a href="#link">7. Link Download</a></div>
<div style="text-align: left;">
</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;"><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><br /></b></span></span></div><span style="font-size: medium;"><div
style="text-align: center;"><br /></div><div style="color: #990000;"><span style="font-family:
```



style="clear: both; text-align: left;"/>

[!\[\]\(1d3a1175dd4902218e694b9c098adb83\_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjkYzRfMXkfZ62YqFzeeX_6S0Ff3DuH5I9ozgsWyGDW3UnyyGZ4MjXH7x_8aEeV1I852MpRMx6EnWQpfz-uCwNeRX7KP2J3izCpXZZfHYyZVcEHNvXOaDwjAY-Wj_BGv60YGIN9REIxLeNLL-vGdHef69xcoVgwDYzXp-RAOezMqCPUXI87PR8khT1eSgo/s126/virtual%20terminal.jpg)

[!\[\]\(c507f772dba2b921f86777f01218e570\_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjkYzRfMXkfZ62YqFzeeX_6S0Ff3DuH5I9ozgsWyGDW3UnyyGZ4MjXH7x_8aEeV1I852MpRMx6EnWQpfz-uCwNeRX7KP2J3izCpXZZfHYyZVcEHNvXOaDwjAY-Wj_BGv60YGIN9REIxLeNLL-vGdHef69xcoVgwDYzXp-RAOezMqCPUXI87PR8khT1eSgo/w182-h106/virtual%20terminal.jpg)

3.

[!\[\]\(cbe80b694ebd74fcfe136a095b608235\_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjySFe2mQYpxLN3RS0Bo_SFJ_EduyFADWuRlgojweedAd6KfV-EKcEmdSvanMKpKfxM1_G4A9KHS7FxpMH6CGJzRZP5K5p3EK7PQCaCwXgTdqvM-HBi9HI9QES2z3NpxTIm7Q5jgeADQUYEGa9Pf2x1YcLIWbAvguPT-5uQ5fmJeB2xH3Sia-gTQboNd4c/s180/led.jpg)

[!\[\]\(a03a7eb2f4046e1d3c76772003e549ea\_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjySFe2mQYpxLN3RS0Bo_SFJ_EduyFADWuRlgojweedAd6KfV-EKcEmdSvanMKpKfxM1_G4A9KHS7FxpMH6CGJzRZP5K5p3EK7PQCaCwXgTdqvM-HBi9HI9QES2z3NpxTIm7Q5jgeADQUYEGa9Pf2x1YcLIWbAvguPT-5uQ5fmJeB2xH3Sia-gTQboNd4c/w205-h205/led.jpg)

Diagram

Blok

[!\[\]\(3e2231b1ad3ca8da8658228c00dd08e0\_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhRD93IPnvXBFDpl5IF6GKwrgCT89iUJXiAdKnSfGmAzMZITA-D758ATyUts985JcVVYIPiRKKVHiaRHYh43-kzluZM5GnOOZCT5gHux_HSK1zNkl9NzQvY9-1RJDzclBPs6Jvfn5Z_Me4YcJBjXST5XoqplnPKs20AsrqLyM1jQ2XlatXAWFV3M-aiHI/s367/Screenshot%20(59).png)

[!\[\]\(5361750c22c4e047a52f4eac1ec2d4cc\_img.jpg\)](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhRD93IPnvXBFDpl5IF6GKwrgCT89iUJXiAdKnSfGmAzMZITA-D758ATyUts985JcVVYIPiRKKVHiaRHYh43-kzluZM5GnOOZCT5gHux_HSK1zNkl9NzQvY9-1RJDzclBPs6Jvfn5Z_Me4YcJBjXST5XoqplnPKs20AsrqLyM1jQ2XlatXAWFV3M-aiHI/w396-h79/Screenshot%20(59).png)

### 3. Rangkaian simulasi dan prinsip kerja

[\[Kembali\]](#)

Rangkaian percobaan sebelum disimulasi

[https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgU0VKD5IwUBLKpNSXX-1-PSQ0sRt7pi0cGMlZljzL4OFgJqPMLCitS\\_wSvA4rCV2TUOyihFU1nITVfd8-nha0YI\\_MO9XJ0gkE9VuBwnnpSAHHBj-ZY9S\\_1vixG6KnD1NUR4S-ml66tgYMccwuZrIKi7bW8IfpbFCARjici\\_7w03S7QPrYW1LmpaTwRv-g/s](https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgU0VKD5IwUBLKpNSXX-1-PSQ0sRt7pi0cGMlZljzL4OFgJqPMLCitS_wSvA4rCV2TUOyihFU1nITVfd8-nha0YI_MO9XJ0gkE9VuBwnnpSAHHBj-ZY9S_1vixG6KnD1NUR4S-ml66tgYMccwuZrIKi7bW8IfpbFCARjici_7w03S7QPrYW1LmpaTwRv-g/s)

828/Screenshot%20(56).png" 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;">Rangkaian percobaan setelah disimulasi</div><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEit-GvGSEQcbjEWzPN9d03F2Afn aMhB80ERfNY4LbCTUA4FhebukE6FyOnXsQJb0Na4cd8nS4V1U2X3XdNsIEk6Zr3gVllhpE-d2sOfxuuBb 41lx824EBHOKskCaxMxTC40RPSHnPWft4poUXJcTosPPnjNgg6Ycww2M0AB\_AjUH9ZKAWxW7FYZ3fjh6 NA/s841/Screenshot%20(57).png" style="margin-left: 1em; margin-right: 1em;"></a></div><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both; text-align: center;"><br style="font-family: times; font-size: large;" /></div><div class="separator" style="clear: both; text-align: left;">Prinsip Kerja</div><div class="separator" style="clear: both; text-align: left;"><br /></div><div class="separator" style="clear: both; text-align: left;">Pada rangkaian percobaan 7 modul 3 terdapat 2 arduino uno, virtual terminal dan 3 LED biru hijau dan merah. Arduino yang dihubungkan ke virtual terminal di deklarasikan programnya sebagai master (pengontrol) dan Arduino yang dihubungkan ke tiga LED di deklarasikan programnya sebagai slave (dikontrol). Prinsip kerjanya , ketika rangkaian di running virtual terminal yang di program sebagai master akan mengontrol output dari ke tiga LED yang diprogram sebagai slave, ketika pada virtual terminal di ketik R akan hidup lampu merah, G akan hidup lampu hijau, B akan hidup lampu biru, F akan hidup lampu merah dan hijau, L akan hidup lampu hijau dan biru, M akan hidup lampu merah dan biru, H akan hidup semua lampu, O semua lampu akan mati.</div></div><div class="separator" style="clear: both; text-align: left;"><br /></div><span style="color: #990000; font-family: times; font-size: medium;">

<span><span><b>

#### 4. Flowchart dan listing program</b>

<a name="flowchart"></a>

<a href="#home">[Kembali]</a></span></span></span></div><div><div><div class="separator" style="clear: both; text-align: center;"><br /></div></div><div class="separator" style="clear: both; text-align: left;">Flowchart</div><div class="separator" style="clear: both; text-align: left;"><br /></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/AVvXsEia6ItCvsvH-2Y41EfbwHjp\_Cx\_wzEejr-kl16uqJNpuWVtWXFgk5WJabSZ0W2ABbVklZL7HiJ7bABLDLai1uhESbyJuOzCi6OsT89U-jr5pNh SuBe3zo-jw6SadvLitF07\_mPmLO7XAKZ7-5Ocn8tSbtzYxIIOhME\_gN\_CsDKqEHSbo3T5QWb3zkjtv6Y/s1 041/flowchart%20p7m3.png" style="margin-left: 1em; margin-right: 1em;"><div class="separator" style="clear: both;"}&nbsp;}</div><div class="separator" style="clear: both;"}&nbsp;}</div></div></div></div><div><br /></div></div></div></div></div><div><div><div class="separator" style="clear: both; text-align: left;"}<b style="color: #990000; font-family: times; font-size: large;"}>5. Kondisi</b><span style="color: #990000; font-family: times; font-size: large;"}&nbsp;}</span><a name="video" style="color: #990000; font-family: times; font-size: large;"}</a><span style="color: #990000; font-family: times; font-size: large;"}</span><a href="#home" style="font-family: times; font-size: large;"}[Kembali]</a></div></div><div class="separator" style="clear: both; text-align: left;"}<br /></div><div class="separator" style="clear: both; text-align: left;"}>Percobaan 7 tanpa kondisi : R=Lampu Merah ; G=Lampu Hijau ; B=Lampu Biru ; F=Merah dan Hijau ; L=Hijau dan Biru ; M=Merah dan Biru ; H=Lampu on semua.</div><div class="separator" style="clear: both; text-align: left;"}<br /></div><span style="color: #990000; font-family: times; font-size: medium;"}>

<span><span><b>

6. Video simulasi</b>

<a name="video"></a>

<a href="#home">[Kembali]</a></span></span></span></div><div><br /></div><div class="separator" style="clear: both; text-align: center;"}<object class="BLOG\_video\_class" contentid="af75a37977bee02f" height="266" id="BLOG\_video-af75a37977bee02f" width="320"></object></div><div style="text-align: center;"}<br /></div><div><span style="color: #990000; font-family: times; font-size: medium;"}><span><span><b>

7. Link Download</b>

<a name="link"></a>

<a href="#home">[Kembali]</a></span></span></span><br /></div><span style="font-family: times;"}>D<span style="text-align: justify; text-indent: 14.15pt;"}>ownload HTML&nbsp;}</span></span><span style="font-family: times; text-align: justify; text-indent: 18.8667px;"}>klik disini</span></div><div><span style="font-family: times;"}>D</span><span style="font-family: times; text-align: justify; text-indent: 14.15pt;"}>ownload Simulasi Rangkaian&nbsp;}</span><span style="font-family: times; text-align: justify; text-indent: 18.8667px;"}><a href="https://drive.google.com/file/d/1LRonsp9tthJDRI8dAZY1WPA07P85Y6HJ/view?usp=sharing">klik disini</a></span></div><div><span style="font-family: times;"}>D<span style="text-align: justify; text-indent: 14.15pt;"}>ownload Video Praktikum&nbsp;}</span></span><span style="font-family: times; text-align: justify; text-indent: 18.8667px;"}><a href="https://drive.google.com/file/d/1MZrxycsSb6JfustNijX6g3or5IQVIQax/view?usp=drive\_link">klik disini</a></span></div><div><span style="font-family: times;"}>D</span><span style="font-family: times; text-align: justify; text-indent: 14.15pt;"}>ownload Listing Program&nbsp;}</span><span style="font-family: times; text-align: justify; text-indent: 18.8667px;"}><a href="https://drive.google.com/drive/folders/16F\_PKFkOYZA7ZMLhtmCzGcPvL7jEfV2G?usp=drive\_link">klik disini</a></span></div><div><span style="font-family: times;"}><span style="text-align: justify; text-indent: 14.15pt;"}>Download Library Arduino Uno&nbsp;}<a href="https://drive.google.com/file/d/1024\_4EiNdC4YnTswSji20JQP7kpXTKnv/view?usp=drive\_link">klik disini</a></span></span></div><div><span style="font-family: times;"}><span style="text-align: justify; text-indent: 14.15pt;"}>Donwload Datasheet Arduino Uno&nbsp;}<a href="https://drive.google.com/file/d/1tRs15LxOaOMDtB9zWn890zYmBwfarc\_Y/view?usp=drive\_lin

k">klik disini</a></span></span></div></div><div>Download Datasheet Led&nbsp;<span style="font-family: times; text-align: justify; text-indent: 18.8667px;"><a href="https://drive.google.com/file/d/1sUcYbX\_-9nZw5BRINxeMZE\_1IBdb3xqr/view?usp=sharing">klik disini</a></span></div><div><br /></div><p class="MsoBodyText" style="line-height: 115%; margin-bottom: 0cm; margin-left: 29.4pt; margin-right: 5.75pt; margin-top: 2.05pt; margin: 2.05pt 5.75pt 0cm 29.4pt; text-align: justify; text-indent: 14.15pt;"><span lang="id"><o:p></o:p></span></p>

</div></div>

</div>