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<br />

<center>

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auto; padding: 10px; text-align: center; width: 330px;">

<b>DAFTAR ISI</b>

<br />

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

<a href="#k">1. Komponen</a></div>

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

<a href="#r">2. Rangkaian Simulasi</a></div>

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

<a href="#f">3. Flowchart</a></div>

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

<a href="#l">4. Listing Program</a><br />

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

<a href="#v">5. Video</a></div>

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

<a href="#ko">6. Kondisi</a> </div>

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

<a href="#li">7. Link Download</a> </div>

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

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</div>

</center>
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<p> <span style="background-color: white; color: #333333; font-family: georgia; font-size:
small;">1. Komponen<a name="k"></a><a href="#home">[kembali]</a></div></span></p><p
style="background-color: white; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans,
sans-serif; font-size: 13px;"><span style="font-size: small;"><span style="font-family:
georgia;"></span></span></p><p style="background-color: white; color: #333333; font-family: Arial,
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Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><p style="background-color: white; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><p style="background-color: white; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><p style="background-color: white; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">- Arduino Uno</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">
</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">
</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px; text-align: center;"></div><br style="background-color: white; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;" /><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px; text-align: justify;">- LED</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px; text-align: justify;">
</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px; text-align: justify;">
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background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; border-radius: 0px; border: 1px solid rgb(204, 204, 204); box-shadow: rgba(0, 0, 0, 0.2) 0px 0px 20px; padding: 8px; position: relative;" width="275" /></div><br style="background-color: white; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;" /><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">- Resistor</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">
</div><div class="separator" style="background-color: white; clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">
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</div>

2. Rangkaian Simulasi[kembali]</div><div>
<div style="background-color: white;">
<div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
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</div><div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"><img

alt="" data-original-height="240" data-original-width="320" height="240" src="https://lh3.googleusercontent.com/-f7s9dKZJS38/YYwBIM7h-UI/AAAAAAAAAxo/-WVygFzQ3AUdjH PXquuFuochBii-BnzOwCLcBGAsYHQ/image.png" width="320" /></div>

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</div><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">3. Flowchart[kembali]</div></p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">
</p><div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div><div class="separator" style="clear: both; text-align: center;">Flowchart Kondisi </div><div class="separator" style="clear: both; text-align: center;">
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</div><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div><div class="separator" style="clear: both; text-align: center;">Flowchart Praktikum</div>

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</div><div class="separator" style="clear: both; color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: center;">
</div><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">4. Listing Program[kembali]</div>
 </p><p>int led [ ] = {9, 8, 7, 6, 5, 4, 3, 2}; //menyatakan penggunaan pin 9-2 pada arduino dengan   variabel led dalam bentuk array</p><p>void setup()   //semua kode yang disini akan dibaca sekali</p><p>{</p><p><span style="color: #333333; font-family: Arial, Tahoma, Helvetica,

FreeSans, sans-serif;"> for (int i = 0; i <= 8; i++)   //melakukan perulangan yang dimulai dari 0 dengan nilai batas   kecil dari 8, INCREASE</p><p> {</p><p>   pinMode (led[i], OUTPUT);   //menyatakan pin-pin arduino yang digunakan sebagai   OUTPUT</p><p> }</p><p>}</p><p>void loop()   //semua kode yang ada disini akan dibaca berulang kali (terus menerus)</p><p>{</p><p> for (int hidup = 0; hidup <= 8; hidup++) //melakukan perulangan yang dimulai dari 0 dengan   nilai batas kecil dari 8 untuk LED hidup, INCREASE</p><p> {</p><p>   digitalWrite(led[hidup], HIGH); //memberikan 5V (Nyala) kepada pin-pin led</p><p>   </p><p> }</p><p> delay(1000); //menunggu waktu selama 1000 ms (1 s)</p><p> for (int mati = 0; mati <= 8; mati++)   //melakukan perulangan yang dimulai dari 0 dengan   nilai batas kecil dari 8 untuk LED mati, INCREASE</p><p> {</p><p>   digitalWrite(led[mati], LOW); //memberikan 0V (Mati) kepada pin-pin led</p><p>   </p><p>

delay(100); //menunggu waktu selama 100 ms (0.1 s)</p><p> }</p><p> delay(100);   //menunggu waktu selama 100 ms (0.1 s)</p><p>}   // End Program</p><p>
</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;">5. Video[kembali]</div>
</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;">
</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><div class="separator" style="clear: both; text-align: center;"><object class="BLOG_video_class" contentid="f4378f0aa5ccd8d2" height="266" id="BLOG_video-f4378f0aa5ccd8d2" width="320"></object></div><div class="separator" style="clear: both; text-align: center;">
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</div><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13px;"></p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">6. Kondisi[kembali]</div>

</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">Kondisi LED hidup semuanya , kemudian mati dari kanan ke kiri</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">Soal analisa</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">1. Pada rangkaian, jelaskan apa yang terjadi jika nilai resistor diubah menjadi 5K ohm</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">Jawab:</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: justify;">Apabila dikasih hambatan 5K ohm pada resistor, maka hal itu dapat menyebabkan arus yang masuk akan sedikit bahkan tidak ada, dikarenakan hambatan 5K ohm itu sangat besar, sehingga arus yang ingin masuk pada LED tidak cukup atau tidak masuk karena hambatan resistor yang sangat besar. LED pun akhirnya tidak menyala karena tidak ada arus yang masuk</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">7. Link Download[kembali]</div>
</p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;"> HTML</p><p

style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;"> File Rangkaian

[download]</div></p><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;"> Video[download]</div></p>[download]</div><p style="color: #333333; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;">Program Arduino[download]</div> </p>
</div></div>