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<a name="home">
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<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="#kondisi">1. Kondisi</a></div>
<div style="text-align: left;">
<a href="#hardware">2. Gambar Rangkaian Simulasi</a></div>
<div style="text-align: left;">
<a href="#rangkaian">3. Video Simulasi</a></div>
<div style="text-align: left;">
<a href="#flowchart">4. Prinsip Kerja</a></div>
<div style="text-align: left;">
<a href="#listing">5. Link Download</a></div>
<div style="text-align: left;">
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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; font-size:
small;"><b><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><br /></b></span></span></div><div style="text-align: 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; font-size: small;"><b>Tugas Pendahuluan 1 modul
2</b></span></span></div><div style="text-align: 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; font-size: small;"><b>(Percobaan 1 kondisi 24)</b></span></span></div><div
style="text-align: 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; font-size:
small;"><b><br /></b></span></span></div>1. Kondisi</b>
<a name="kondisi"></a>
<a href="#home">[Kembali]</a></span></span><div><span style="font-family: times, times new roman,
serif;"><br /></span></div><div><span style="font-family: times, times new roman, serif;"><b>Kondisi
Percobaan 1 kondisi 24</b></span></div><div><span face="Arial, sans-serif" style="background: white;"><br
/></span></div><div><span face="Arial, sans-serif" style="background: white;">Buatlah rangkaian J-K flip
flop dan
D flip flop seperti pada gambar pada percobaan 1 dengan ketentuan input B0=1, B1=1, B2=0, B3=Clock, B4=1,
B5=1, B6= 1 led diganti logicprobe.<span></span></span></div><div><p
class="MsoNormal"><o:p></o:p></p></div><div><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>2.
Gambar Rangkaian Simulasi</b>
<a name="hardware"></a>
<a href="#home">[Kembali]</a></span></span></div><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/AVvXsEiETRcdkdW1Nx8GIK1Su8KVKP5p1sh
iNJ7XQO5YmBVWDoVA55K6zXRP2X6ySeiaC1vaHpiL2uGI6WDh4Tm58iWr6CJFAYcfuTD--3z834xh5VP
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59/Screenshot%20(45).png" style="margin-left: 1em; margin-right: 1em;"></a></div><br /><span style="font-family: times, times new roman, serif;"><br /></span>

<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>3. Video Simulasi</b>

<a name="rangkaian"></a>

<a href="#home">[Kembali]</a></span></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;"><object class="BLOG\_video\_class" contentid="92241384384011bb" height="266" id="BLOG\_video-92241384384011bb" width="320"></object></div><br /></div><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>4. Prinsip Kerja</b>

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

<a href="#home">[Kembali]</a></span></span></div><div><span style="font-family: &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;"><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: justify;"><span style="font-family: times, &quot;times new roman&quot;, serif; font-size: medium;">Dapat kita lihat pada gambar rangkain bahwa ada 2 rangkaian yaitu rangkaian J-K flip flop dan D flip flop.</span></div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: justify;"><span style="font-family: times, &quot;times new roman&quot;, serif; font-size: medium;"><br /></span></div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: justify;"><span style="font-family: times, &quot;times new roman&quot;, serif; font-size: medium;">Pada rangkaian J-K flip flop dan D flip flop. Setiap saklar SW-SPDT dihubungkan ke power untuk logika 1 dan dihubungkan ke ground untuk logika 0. Pada J-K flip flop, B1 dihubungkan ke input S, B2 dihubungkan ke input J, Clock dihubungkan ke input CLK, B4 dihubungkan ke input K dan B0 dihubungkan ke input R. Pertama-tama kita melihat input R-S, input R-S akan aktif jika berlogika 0 (active Low). Namun, pada kondisi ini input R-S berlogika 1 sehingga input R-S tidak aktif. Input CLK akan aktif jika berlogika 0 (active Low). Pada input J-K, input J berlogika 0 dan input K berlogika 1, dapat dilihat dari tabel kebenarannya maka output (Q) akan berlogika 0 dan Q' akan berlogika 1.</span></div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: justify;"><span style="font-family: times, &quot;times new roman&quot;, serif; font-size: medium;"><br /></span></div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: justify;"><span style="font-family: times, &quot;times new roman&quot;, serif; font-size: medium;">Kemudian, pada D-flip flop input S dihubungkan ke B1, input R dihubungkan ke B0, input D dihubungkan ke B5 dan input CLK dihubungkan ke B6. Hampir mirip dengan J-K flip flop, input R-S akan aktif saat berlogika 0 atau active low sedangkan pada kondisi ini berlogika 1 sehingga R-S tidak aktif. Input D berlogika 1 dan Input clock berlogika 1, sehingga dapat dilihat pada tabel kebenarannya maka output (Q) akan berlogika 1 dan Q' berlogika 0.&nbsp;</span></div><div style="background-color: white; color: #222222; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; font-size: 13.2px; text-align: justify;"><span style="font-family: times, &quot;times new roman&quot;, serif; font-size: medium;"><br /></span></div></div></div></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>5. Link Download</b>

<a name="listing"></a>

<a href="#home">[Kembali]</a></span></span></div><div><span style="font-family: times, times new roman, serif;">Download html disini</span></div><div><span style="font-family: times, times new roman, serif;">Download rangkaian <a href="https://drive.google.com/file/d/1DXx7wOLQ0Vkq37ueX0wv9F-yrbTWTnG7/view?usp=drive\_link">disini</a></span></div><div><span style="font-family: times, times new roman, serif;">Download Datasheet 7474 <a href="https://drive.google.com/file/d/1qN10PEADXDz90pPHuNz26Q5xEOVmCkHv/view?usp=sharing">disini</a></span></div><div><span style="font-family: times, times new roman, serif;">Donwload Datasheet 74LS112 <a href="https://drive.google.com/file/d/17eU6N-3z6BbhepZABis4yPA7YHgnc3kJ/view?usp=sharing">disini</a></span></div><div><span style="font-family: times, times new roman, serif;">Download Datasheet switch <a

href="https://drive.google.com/file/d/1Goh0lvqV6eSKh7kiG6GZL8pulKvTjaus/view?usp=drive\_link">disini</a></span></div><div><span style="font-family: times, times new roman, serif;">Download Video <a href="https://drive.google.com/file/d/1KldIBmj5OHibSGXSdXovvRJWVmmhUYky/view?usp=drive\_link">disini</a></span></div></div>