

<p style="text-align: center;"><b style="border: 0px; box-sizing: border-box; font-family: times; font-size: large; margin: 0px; padding: 0px;">Modul 4 Elektronika dan Sistem Digital</p><div style="text-align: center;">
</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: center;">[KEMBALI KE MENU SEBELUMNYA]</div><br style="box-sizing: border-box;" /><center style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="background-color: white; border: 2px dashed rgb(23, 128, 221); box-sizing: border-box; height: 240px; margin: 0px; overflow: auto; padding: 10px; width: 330px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">DAFTAR ISI<br style="box-sizing: border-box;" /><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">1.Kondisi</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">2. Gambar Rangkaian Simulasi</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">3.Video Simulasi</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">4.Prinsip Kerja</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">5. Download</div></center><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: center;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: center;"><br style="box-sizing: border-box;" /></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; widows: 1;"><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing:

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margin: 0px; padding: 0px; text-align: center;">sebelum disimulasikan</div><div
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imageanchor="1" style="margin-left: 1em; margin-right: 1em;"></div><div class="separator" style="clear: both; text-align: center;">setelah
disimulasikan</div>
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box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><span style="border:

0px; box-sizing: border-box; margin: 0px; padding: 0px;">3.Video Rangkaian[kembali]</div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><div class="separator" style="clear: both; text-align: center;"><object class="BLOG_video_class" contentid="72b9e287a257d556" height="266" id="BLOG_video-72b9e287a257d556" width="320"></object></div>
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<div class="separator" style="border: 0px; box-sizing: border-box; clear: both; margin: 0px; padding: 0px; text-align: center;">
</div></div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;">4. Prinsip Kerja [kembali]</div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; line-height: 24px; margin: 0px; padding: 0px;">

0px;">Pada percobaan 2 kondisi 5 kita merangkai rangkaian menggunakan ic 7447 yang berguna untuk mengubah kode bilangan biner BCD (Binary Coded Decimal) menjadi data tampilan untuk penampil/display 7 segment yang bekerja pada tegangan TTL (+5 volt DC)</div><div style="border: 0px; box-sizing: border-box; color: #444444; line-height: 24px; margin: 0px; padding: 0px;">
</div><div style="border: 0px; box-sizing: border-box; color: #444444; line-height: 24px; margin: 0px; padding: 0px;">Yang mana kita di sini menggunakan seven segment anoda yang dihubungkan dari output ic 7447. nanti seven segment berfungsi menampilkan atau penampil dari output ic 7447</div><div style="border: 0px; box-sizing: border-box; color: #444444; line-height: 24px; margin: 0px; padding: 0px;">
</div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><ul aria-label="carousel" role="region" style="list-style: outside none; margin: 0px; padding: 0px; text-align: left; widows: 2;"><li aria-label="Item 1 of 1" class="va-top ov-h" role="group" style="color: #4d5156; margin: 0px 0px 4px; overflow: hidden; padding: 0px; vertical-align: top; zoom: 1;">Pada kaki input ic 7447 terdapat 7 input <li aria-label="Item 1 of 1" class="va-top ov-h" role="group" style="color: #4d5156; margin: 0px 0px 4px; overflow: hidden; padding: 0px; vertical-align: top; zoom: 1;">Jalur input data BCD, pin input ini terdiri dari 4 line input yang mewakili 4 bit data BCD dengan sebutan jalur input A, B, C dan D. Jalur ouput 7 segmen, pin output ini berfungsi untuk mendistribusikan data pengkodean ke penampil 7 segmen. Pin output dekoder BCD ke 7 segmen ini ada 7 pin yang masing-masing diberi nama a, b, c, d, e, f dan g. Jalur LT (Lamp Test) yang berfungsi untuk menyalakan semua led pada penampil 7 segmen, jalur LT akan aktif pad saat diberikan logika LOW pad jalur LT tersebut. Jalur RBI (Riple Blanking Input) yang berfungsi untuk menahan sinyal input (disable input), jalur RBI akan aktif bila diberikan logika LOW. Jalur RBO (Riple blanking Output) yang berfungsi untuk menahan data output ke penampil 7 segmen (disable output), jalur RBO ini akan aktif pada sat diberikan logika LOW.<li aria-label="Item 1 of 1" class="va-top ov-h" role="group" style="margin: 0px 0px 4px; overflow: hidden; padding: 0px; vertical-align: top; zoom: 1;"><br style="margin: 0px; padding: 0px;" />5. Download[kembali] </div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; line-height: 24px; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; line-height: 24px; margin: 0px; padding: 0px;">HTML</div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;"><span style="font-size:

[medium;">Rangkaian Proteus](https://drive.google.com/file/d/1a6Prw9WxAi70Zq7WFcpVUjx1wqVJUY17/view?usp=sharing)

</div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;">Video

</div><div style="background-color: white; border: 0px; box-sizing: border-box; line-height: 24px; margin: 0px; padding: 0px;">Data sheet 7447

</div><div style="background-color: white; color: #444444; font-size: 15px;">
</div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; line-height: 24px; margin: 0px; padding: 0px;"></div></div></div></div></div></div></div>