

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

[KEMBALI KE MENU SEBELUMNYA]</div>

<center>

<div style="background-color: white; border: 2px dashed rgb(23, 128, 221); height: 240px; overflow: auto; padding: 10px; text-align: center; width: 330px;">

DAFTAR ISI

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

1. Prosedur</div>

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

2. Hardware dan diagram blok</div>

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

3. Rangkaian simulasi dan prinsip kerja</div>

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

4. Flowchart dan listing program</div>

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

5. Kondisi</div>

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

6. Video demo</div>

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

7. Link Download</div>

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</center>

<div style="font-size: medium;">
</div><div style="text-align: center;">
</div><div style="color: #990000;"><span style="font-family:

"times" , "times new roman" , serif;">
</div>

1. Prosedur

[Kembali]<div> 1. Rangkai semua komponen sesuai percobaan.<div style="font-family: "Times New Roman"; font-size: medium;"><p class="MsoNormal"><o:p></o:p></p><p class="MsoNormal"> 2. Buat program di aplikasi arduino IDE.<o:p></o:p></p><p class="MsoNormal"> 3. Setelah selesai masukkan program ke arduino di proteus.<o:p></o:p></p><p class="MsoNormal"> 4. Jalankan program pada simulasi dan cobakan sesuai dengan modul.<o:p></o:p></p><p class="MsoNormal"> 5. Selesai.</p></div><div><div><div>
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2. Hardware dan diagram blok</div>

[Kembali]</div><div>
</div><div><div>Hardware</div><div>
</div><div>1. Arduino Uno</div><div><div class="separator" style="clear: both; text-align: center;"></div>

</div><div>2. Dipswitch</div><div><div class="separator" style="clear: both; text-align: center;">#define D2 5</div><div class="separator" style="clear: both;">#define Dsw A0</div><div class="separator" style="clear: both;">*39</div><div class="separator" style="clear: both;">32</div><div class="separator" style="clear: both;">26 27</div><div class="separator" style="clear: both;">19</div><div class="separator" style="clear: both;">*/</div><div class="separator" style="clear: both;">int segments[] = {a,b,c,d,e,f,g};</div><div class="separator" style="clear: both;">byte digitPatterns[10][7] = {
</div><div class="separator" style="clear: both;">{0, 0, 0, 0, 0, 1}, // 0</div><div class="separator" style="clear: both;">{1, 0, 0, 1, 1, 1}, // 1</div><div class="separator" style="clear: both;">{0, 0, 1, 0, 0, 1, 0}, // 2
</div><div class="separator" style="clear: both;">{0, 0, 0, 0, 1, 1, 0}, // 3
</div><div class="separator" style="clear: both;">{1, 0, 0, 1, 1, 0, 0}, // 4</div><div class="separator" style="clear: both;">{0, 1, 0, 0, 1, 0, 0}, // 5</div><div class="separator" style="clear: both;">{0, 1, 0, 0, 0, 0, 0}, // 6
</div><div class="separator" style="clear: both;">{0, 0, 0, 1, 1, 1, 1}, // 7
</div><div class="separator" style="clear: both;">{0, 0, 0, 0, 0, 0, 0}, // 8
</div><div class="separator" style="clear: both;">{0, 0, 0, 0, 1, 0, 0} // 9</div><div class="separator" style="clear: both;">;
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">void setup() {
</div><div class="separator" style="clear: both;">
 // put your setup code here, to run once:
</div><div class="separator" style="clear: both;">

</div><div class="separator" style="clear: both;">

for (int i = 0; i <= 7; i++) {
</div><div class="separator" style="clear: both;">

pinMode(segments[i], OUTPUT);
</div><div class="separator" style="clear: both;">

pinMode(dp,OUTPUT);
</div><div class="separator" style="clear: both;">

pinMode(D1,OUTPUT);
</div><div class="separator" style="clear: both;">

pinMode(D2,OUTPUT);
</div><div class="separator" style="clear: both;">

pinMode(Dsw,INPUT_PULLUP);
</div><div class="separator" style="clear: both;">
 Serial.begin(9600);
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">void number (int display) {
</div><div class="separator" style="clear: both;">
 if (display >= 0 & & display <= 9) {
</div><div class="separator" style="clear: both;">

 for (int i = 0; i <= 7; i++) {
</div><div class="separator" style="clear: both;">

 digitalWrite(segments[i], digitPatterns[display][i]);
</div><div class="separator" style="clear: both;">

 }
</div><div class="separator" style="clear: both;">
 }
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">void loop() {
</div><div class="separator" style="clear: both;">
 int sw = analogRead(Dsw);
</div><div class="separator" style="clear: both;">
 Serial.print("ADC Value = ");
</div><div class="separator" style="clear: both;">
 Serial.println(sw);
</div><div class="separator" style="clear: both;">
 delay(100);
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">
</div><div class="separator" style="clear: both;">
 if(sw == 1023){
</div><div class="separator" style="clear: both;">
 digitalWrite(D1,LOW);
</div><div class="separator" style="clear: both;">
 digitalWrite(D2,HIGH);
</div><div class="separator" style="clear: both;">
 number(1);
</div><div class="separator" style="clear: both;">
 delay(50);
</div><div class="separator" style="clear: both;">
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[illegible]

[illegible]

[illegible]

[illegible]



0px;">D</span><span style="text-indent: 14.15pt;">ownload Listing Program&nbsp;<a href="https://drive.google.com/file/d/1UuAB-tNLPWJoORWYYrrl4Bzusg33SV2Q/view?usp=drive\_link">klik disini</a></span></span></span></div><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;"><span style="text-indent: 18.8667px;">Download Datasheet Arduino Uno&nbsp;<a href="https://drive.google.com/file/d/1tRs15LxOaOMDtB9zWn890zYmBwfarc\_Y/view?usp=drive\_link">klik disini</a></span></span></span></div><div><span style="font-family: times;"><span style="text-align: justify; text-indent: 14.15pt;">Download Datasheet 7 Segment&nbsp;<a href="https://drive.google.com/file/d/1xdxZCnxPHk9Q0lb\_033szpFEJDU3qm8/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;">Download Datasheet Dipswitch&nbsp;<a href="https://drive.google.com/file/d/1xdxZCnxPHk9Q0lb\_033szpFEJDU3qm8/view?usp=drive\_link">klik disini</a></span></span></div></div></div><div><span style="font-family: times;"><span style="text-align: justify; text-indent: 14.15pt;"><br /></span></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>

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