

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

[KEMBA
LI 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. Hardware</div>

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

2. Rangkaian Simulasi</div>

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

3. Flowchart</div>

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

4. Listing Program</div>

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

5. Video</div>

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

6. Prinsip Kerja

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

7. Analisa</div>

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

8. Link Download</div>

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1. Hardware

[Kembali]</div><div><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">LM35</div><div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div>
<div style="text-align: center;">LCD </div><div style="text-align: center;"><div class="separator" style="clear: both; text-align: center;"><a href="https://1.bp.blogspot.com/-7hkm5D8cTWk/YYUAectD3sl/AAAAAAAC5Y/hHbLw9WVRoA0ErdWUuPo1DwLZywrMzz8QCLcBGAsYHQ/s600/65f5c32287481a4144364d97b0ba41b0.jpg" style="margin-left:

1em; margin-right: 1em;"></div><div class="separator" style="clear: both; text-align: center;">Motor DC</div><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;">Arduino Uno</div><div class="separator" style="clear: both; text-align: center;"><div class="separator" style="clear: both; text-align: center;"></div><div style="text-align: center;">Driver Motor L293D</div></div></div></div>"times" , "times new roman" , serif; font-size: small;">"times" , "times new roman" , serif; font-size: small;">
2. Rangkaian Simulasi</div><div>"times" , "times new roman" , serif; font-size: small;"><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/a/AVvXsEiP55LyFZW8Xv8Zmb83vblxXprcx3e_DYCng8tVgATchdjmuFHFuCrhCOQG427VRckj6D8NCSeCnsqXzklDxeDGHQVm97EU4ej7d6oyUzGXiKez0OahSjpy1kV

ghXh0kU01dwFqOQUmdHFI_5Xibx0xaowmtITmuvJ6gPFqIfEF14RwpmKXsHcpTg=s991" imageanchor="1" style="margin-left: 1em; margin-right: 1em;"></div>

3. Flowchart

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

4. Listing Program

[Kembali]</div><div>#include <LiquidCrystal.h>
#define LM35 A0
LiquidCrystal lcd(2, 3, 4, 5, 6, 7);
int

```

nilaiSuhu, in1, in2);
```

```

</span><br /><span style="font-weight: normal;">void setup()
{</span><br /><span style="font-weight: normal;">    &nbsp; in1 = 9;</span><br /><span
style="font-weight: normal;">    &nbsp; in2 = 10;</span><br /><span style="font-weight: normal;">    &nbsp;
pinMode(A0, INPUT);</span><br /><span style="font-weight: normal;">    &nbsp;
pinMode(in1, OUTPUT);</span><br /><span style="font-weight: normal;">    &nbsp;
pinMode(in2, OUTPUT);</span><br /><span style="font-weight: normal;">    &nbsp; lcd.begin(16,
2);</span><br /><span style="font-weight: normal;">}</span><br /><span style="font-weight:
normal;">void loop()</span><br /><span style="font-weight: normal;">{</span><br /><span
style="font-weight: normal;">    &nbsp; nilaiSuhu = ((5*analogRead(LM35)*100.00)/1024);</span><br
/><span style="font-weight: normal;">    &nbsp; lcd.clear();</span><br /><span style="font-weight:
normal;">    &nbsp; lcd.setCursor(0, 0);</span><br /><span style="font-weight: normal;">    &nbsp;
lcd.print("LM35 Sensor Suhu");</span><br /><span style="font-weight: normal;">    &nbsp; lcd.setCursor(0,
1);</span><br /><span style="font-weight: normal;">    &nbsp; lcd.print(nilaiSuhu);</span><br /><span
style="font-weight: normal;">    &nbsp; delay(100);</span><br /><span style="font-weight:
normal;">    &nbsp; if (nilaiSuhu &gt; 25 )</span><br /><span style="font-weight: normal;">    &nbsp;
{</span><br /><span style="font-weight: normal;">        &nbsp; &nbsp; &nbsp;
digitalWrite(in1, HIGH);</span><br /><span style="font-weight: normal;">        &nbsp; &nbsp; &nbsp;
digitalWrite(in2, LOW);</span><br /><span style="font-weight: normal;">        &nbsp; &nbsp; &nbsp;
delay(100);</span><br /><span style="font-weight: normal;">    &nbsp; }</span><br /><span
style="font-weight: normal;">    &nbsp; else</span><br /><span style="font-weight: normal;">    &nbsp;
{</span><br /><span style="font-weight: normal;">        &nbsp; &nbsp; &nbsp;
digitalWrite(in1, LOW);</span><br /><span style="font-weight: normal;">        &nbsp; &nbsp; &nbsp;
digitalWrite(in2, LOW);</span><br /><span style="font-weight: normal;">        &nbsp; &nbsp; &nbsp;
delay(100);</span><br /><span style="font-weight: normal;">    &nbsp; }</span><br /><span
style="font-weight: normal;">    &nbsp; delay(100);</span><br /><span style="font-weight:
normal;">}</span></span></span><span style="font-family: &quot;times&quot; , &quot;times new
roman&quot; , serif;"></span></span><br />

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[\[Kembali\]](#)

“times” , “times new roman” , serif;”
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“times” , “times new roman” , serif;”
“times” , “times new roman” , serif; font-size: small;”
div class="separator" style="clear: both; text-align: center;”
object class="BLOG_video_class" contentid="6d487cd0241f2461" height="266" id="BLOG_video-6d487cd0241f2461" width="320”
/”

b>6. Prinsip Kerja

[Kembali]</div><div>Bila suhu yang terbaca pada LCD menunjukkan > 25 derajat celcius maka motor berputar ke kanan.</div><div>7. Analisa[Kembali] </div><div>Pada percobaan 2 menggunakan LM35, menggunakan prinsip dari ADC, jelaskan pengaruh ADC pada percobaan?</div><div>jawab</div><div>Output dari LM35 berupa sinyal analog, yang mana jika ingin diolah oleh

arduino, harus berupa sinyal digital. Oleh karena itu ADC mengubah dari sinyal analog ke sinyal digital sehingga data dapat diolah yang mana pada percobaan ini outputnya berupa LCD dan motor.
</div><div>8. Link Download

[Kembali]</div><div>HTML</div><div>rangkaian</div><div>video</div><div>program</div><div>

serif;">datasheet
LM35</div><div><spa
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style="font-family: "times" , "times new roman" , serif; font-size:
small;"><span style="font-family: "times" , "times new roman" ,
serif;"><span style="font-family: "times" , "times new roman" , serif; font-size:
small;">datasheet
motor</div><div><span
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style="font-family: "times" , "times new roman" , serif; font-size:
small;"><span style="font-family: "times" , "times new roman" ,
serif;"><span style="font-family: "times" , "times new roman" , serif; font-size:
small;">datasheet
L293D</div><div><span style="font-family:
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"times" , "times new roman" , serif; font-size: small;"><span
style="font-family: "times" , "times new roman" , serif;"><span
style="font-family: "times" , "times new roman" , serif; font-size: small;"><span
style="font-weight: normal;">library
arduino <span style="font-family: "times" , "times new
roman" , serif;"><span style="font-family: "times" , "times new roman" ,
serif; font-size: small;"> </div><div><span
style="font-family: "times" , "times new roman" , serif;"><span
style="font-family: "times" , "times new roman" , serif; font-size: small;"><sp
an style="font-family: "times" , "times new roman" , serif;"><span
style="font-family: "times" , "times new roman" , serif; font-size: small;"><span
style="font-weight: normal;">library LCD<span style="font-family:
"times" , "times new roman" , serif;"><span style="font-family:
"times" , "times new roman" , serif; font-size:
small;">
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