

### <span style="font-family: helvetica;">Mikro 2024 Percobaan 5 Modul</span><a href="http://www.laboreldi.or.id/p/mikro-2023-percobaan-1-modul-1.html" style="border: 0px; box-sizing: border-box; color: #757575; letter-spacing: 0px; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">2</span></a></h3></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px;"><span style="font-family: helvetica;"><br style="box-sizing: border-box;" /></span></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: center;"><a href="https://putrib213024.blogspot.com/p/modul-2\_17.html" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">[KEMBALI KE MENU SEBELUMNYA]</span></a></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: center;"><span style="font-family: helvetica;"><br /></span></div><center style="background-color: white; border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 2px dashed rgb(23, 128, 221); box-sizing: border-box; color: #444444; font-size: 15px; height: 240px; margin: 0px; overflow: auto; padding: 10px; width: 330px;"><span style="font-family: helvetica;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">DAFTAR ISI</a></b><br style="box-sizing: border-box;" /></span><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#F" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">1. Foto Hardware dan Diagram Blok</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#P" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">2. Prosedur Percobaan</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#R" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">3. Rangkaian Simulasi dan Prinsip Kerja</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#FL" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">4. Flowchart dan Listing Program</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#K" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">5. Kondisi</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#V" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px;

padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">6. Video Simulasi</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><a href="#L" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><span style="font-family: helvetica;">7. Link Download</span></a></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"></div></div><h1 style="border: 0px; box-sizing: border-box; color: #757575; font-size: 21px; letter-spacing: 0px; line-height: 30px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-indent: -1px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="font-family: helvetica;">Percobaan V</span></span></b></h1><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="font-family: helvetica;">Kontrol Putaran Motor DC</span></span></b></div><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="font-family: helvetica;"><br /></span></span></b></div><h3 style="border: 0px; box-sizing: border-box; color: #757575; font-size: 19px; letter-spacing: 0px; line-height: 29px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-align: justify; text-indent: -1px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="font-family: helvetica;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="F" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">1. Foto Hardware dan Diagram Blok</a></span>&nbsp;<span href="#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;">[Kembali]</a></span></b></h3><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; font-family: helvetica; margin: 0px; padding: 0px; text-align: left;"><div class="separator" style="clear: both; text-align: center;"><center style="border: 0px; box-sizing: border-box; color: #616161; font-family: &quot;Trebuchet MS&quot;; Trebuchet, Verdana, sans-serif; font-size: 13.2px; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div class="separator" style="clear: both;"><span style="font-family: verdana;"><b><span>&nbsp;&nbsp;&nbsp;</span><span>&nbsp;&nbsp;&nbsp;</span><span>&nbsp;&nbsp;&nbsp;</span></span>1. Arduino Uno</b></span><br /></div><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjv-U7kIKtchRNY\_gpsMue8F9bOM4nE8k2tMs3VE7-I9RLvO5ksYF6f7i9FIcNTLk\_ikQB7Tz\_qV\_DFyp22Q3vehv2BIQpqlCwFWS078AlxSFBBrMuBLEm8Yz5Vf5HgVxKmCzdvyYh8yu9fV6wvCCBPrKYpI5MkQzwnjdNR\_3OrdIYbZ41eb7FoJCvjba/s389/Scree nshot%202024-03-01%20074735.png" style="color: #2165b4; margin-left: 1em; margin-right: 1em; text-decoration-line: none;"></a></div><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both;">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span style="font-family: verdana;"><b>2. Sensor Infrared</b></span></div><div class="separator" style="clear: both;"><span style="font-family: verdana;"><b><br /></b></span></div><div class="separator" style="clear: both;"><span style="font-family: verdana;"><b><br /></b></span></div><div class="separator" style="clear: both; text-align: center;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjMft-4uZy6qo4ET-LNwwwEI\_ZD06WGeL7wKmS5sGhLFHyfm3jH9a\_hsx64lVaT-eXV-S53l3UZeXUrUUJv1mhTd6haJzTD1hES5Q5tdRy1kG-UM9MPv\_NY0rA3\_JmkCkQNVjDfvDueeYXFOiqbXNTDqUmBRxYwb1PTw-MisUef0UWWo6GrCcXxQ6cAY/s700/ir.jpg" imageanchor="1" style="margin-left: 1em; margin-right: 1em;"></a></div></span></div><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both;">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span style="font-family: verdana;"><b>3. IC PCF8574</b></span></div><div class="separator" style="clear: both;"><span style="font-family: verdana;"><b><br /></b></span></div></span></div></center><blockquote style="border: none; color: #616161; font-family: &quot;Trebuchet MS&quot;, Trebuchet, Verdana, sans-serif; font-size: 13.2px; margin: 0px 0px 40px; padding: 0px; text-align: start;"><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><center style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div class="separator" style="clear: both;"><span style="font-family: verdana;"><b>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</b></span></div><div class="separator" style="clear: both; text-align: center;"></a></div></span></div></center></blockquote></blockquote></blockquote></blockquote><center style="border: 0px; box-sizing: border-box; color: #616161; font-family: &quot;Trebuchet MS&quot;; Trebuchet, Verdana, sans-serif; font-size: 13.2px; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div class="separator" style="clear: both;"><b style="font-family: verdana;">&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; 6. Motor DC<br /></b></div></span></div></center><blockquote style="border: none; color: #616161; font-family: &quot;Trebuchet MS&quot;; Trebuchet, Verdana, sans-serif; font-size: 13.2px; margin: 0px 0px 0px 40px; padding: 0px; text-align: start;"><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><center style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><div class="separator" style="clear: both;">&nbsp; &nbsp; &nbsp; </div></span></div></center></blockquote></blockquote></blockquote></blockquote></blockquote></blockquote><br style="cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; font-family: Roboto, sans-serif; text-align: left;" /><div class="separator" style="clear: both; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; font-family: Roboto, sans-serif;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEgZDy\_TKaMp5k7vL9-Bo81TowGOVgKZTR5olzeGUxOjOSFkE6ZTI30oljx4mKz3pml0Cese6cuYt6SfH0hHk1h8ReZh8s0QKj549KNl0mfSY6VAXei vwXNFPeE\_A\_8zAj337As7vLa3Wta\_cpBM-un6DbsQXpWdewRB9dalXaycVzwAkW\_kY\_IS7pxTJkdM/s1600/WhatsApp%20Image%202024-03-19%20at%2012.46.36\_01403248.jpg" style="background: transparent; color: #e76d80; cursor: url(&quot;https://ani.cursors-4u.net/cursors/cur-11/cur1089.cur&quot;);, auto !important; font-family: verdana; font-weight: 700; margin-left: 1em; margin-right: 1em; outline: 0px; text-decoration-line: none;"></a></div><p style="color: #616161; font-family: &quot;Trebuchet MS&quot;; Trebuchet, Verdana, sans-serif; font-size: 13.2px; text-align: start;">&nbsp;</p><p style="color: #616161; font-family: &quot;Trebuchet MS&quot;; Trebuchet, Verdana, sans-serif; font-size: 13.2px; text-align: start;"><span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</span>&nbsp;&nbsp;&nbsp;&nbsp;</span><span>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</span><b style="color: #444444; font-family: verdana; font-size: 15px;">7. Potensiometer</b></p><center style="border: 0px; box-sizing: border-box; color: #616161; font-family: &quot;Trebuchet MS&quot;; Trebuchet, Verdana, sans-serif; font-size: 13.2px; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; color: #444444; font-size:

[illegible]

<br style="box-sizing: border-box;" /></div><div style="border-box;" /><br style="box-sizing: border-box;" /></span></span><div class="separator" style="clear: both; text-align: center;"><span style="font-family: helvetica; margin-left: 1em; margin-right: 1em;"><div class="separator" style="clear: both; text-align: center;"><span style="margin-left: 1em; margin-right: 1em;">a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhzt\_HqL6\_aXnNE5xNQV6HneVN8TzLzbjxC7m4PobRIhcTUJHaWyJZv1syd\_sAevW1HTr\_91uG080eh0TtGf1lctjCy6a6qJCMMo2MK-PDqk9e-EoJKrf\_qTVND8vso9YKtPHqmzuSGcGf7Ugm1YEXxsPE4Cwmddl68tC6gtnYmlfoo9DjlPLmdjKkr9I/s556/Screenshot%202024-02-29%20230204.png" style="margin-left: 1em; margin-right: 1em;"></a></span></div><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhzt\_HqL6\_aXnNE5xNQV6HneVN8TzLzbjxC7m4PobRIhcTUJHaWyJZv1syd\_sAevW1HTr\_91uG080eh0TtGf1lctjCy6a6qJCMMo2MK-PDqk9e-EoJKrf\_qTVND8vso9YKtPHqmzuSGcGf7Ugm1YEXxsPE4Cwmddl68tC6gtnYmlfoo9DjlPLmdjKkr9I/s556/Screenshot%202024-02-29%20230204.png" style="margin-left: 1em; margin-right: 1em;"><br /></a><div class="separator" style="clear: both; text-align: center;"><br /></div></span></div></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="font-family: helvetica;"><h3 style="border: 0px; box-sizing: border-box; color: #757575; font-size: 19px; letter-spacing: 0px; line-height: 29px; margin: 0px 0px 7px; padding-bottom: 0px; padding-left: 0px; padding-right: 0px; padding-top: 4px !important; padding: 4px 0px 0px; position: relative; text-align: justify; text-indent: -1px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="P" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">2. Prosedur Percobaan&nbsp;</a></span>&nbsp;<a href="#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;">[Kembali]</a></span></b></h3><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><ul style="text-align: left;"><li></li><li><span style="color: #444444;"><span style="font-size: 15px;">Rangkailah seperti rangkaian berikut.</span></span></li><li><span style="color: #444444;"><span style="font-size: 15px;">Buka Arduino IDE dan masukan listing program.</span></span></li><li><span style="color: #444444;"><span style="font-size: 15px;">Upload program ke arduino.</span></span></li><li><span style="color: #444444;"><span style="font-size: 15px;">Variasikan suhu dan logika sensor infrared dan amati keluarannya pada motor dan dotmatriks.</span></span></li></ul></div><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><br style="box-sizing: border-box;" /></b></div><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="R" style="border: 0px;

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font-size: 15px; font-weight: bold; text-align: center;"><div class="separator" style="clear: both;  
text-align: center;"><div class="separator" style="clear: both; text-align: center;"><a  
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3/Screenshot%202024-02-23%20160714.png" style="margin-left: 1em; margin-right: 1em;"></a></div></div><div  
class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear:  
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0px; box-sizing: border-box; color: #444444; font-size: 15px; font-weight: bold; margin: 0px; padding:  
0px; text-align: justify;">Prinsip Kerja</div><div style="border: 0px; box-sizing: border-box; color:  
#444444; font-size: 15px; font-weight: bold; margin: 0px; padding: 0px; text-align: justify;"><br  
</div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align:  
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both; margin: 0px; padding: 0px; text-align: justify;"><div class="separator" style="border: 0px;  
box-sizing: border-box; clear: both; margin: 0px; padding: 0px;">&nbsp; Jalan kerja rangkaian ini ialah  
sensor suhu berfungsi sebagai pengatur arahan motor sedangkan sensor infrared sebagai enable motor  
driver, ketika suhu &lt; 30 maka akan memutar motor ke arah kanan dan arahnya ditampilkan pada  
dotmatriks sedangkan ketika suhu &gt; 40 maka akan memutar motor ke arah kiri dan arahnya  
ditampilkan pada dotmatriks. Ketika suhu di antara 30 dan 40 maka motor tidak bergerak dan ditampilkan  
'x' pada dotmatriks.</div></div></div><div class="separator" style="border: 0px; box-sizing: border-box;  
clear: both; color: #444444; font-size: 15px; font-weight: 400; margin: 0px; padding: 0px; text-align:  
center;"><br /></div><div class="separator" style="border: 0px; box-sizing: border-box; clear: both;  
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style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span  
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="FL" style="border:



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0px;"><span style="color: #444444;"><span style="font-size: 15px;">const int motor1Pin1 =
2;</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">const int motor1Pin2 =
3;</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;"><br /></span></span></div><div
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color:
#444444;"><span style="font-size: 15px;">void setup() {</span></span></div><div style="border: 0px;
box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color: #444444;"><span
style="font-size: 15px;">&nbsp; &nbsp; // Set up dot matrix module</span></span></div><div
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color:
#444444;"><span style="font-size: 15px;">&nbsp; lc.shutdown(0, false);&nbsp; &nbsp; // Mengaktifkan
modul</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; lc.setIntensity(0, 8);&nbsp;
// Mengatur kecerahan (0-15)</span></span></div><div style="border: 0px; box-sizing: border-box;
margin: 0px; padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
lc.clearDisplay(0);&nbsp; &nbsp; &nbsp; // Membersihkan tampilan</span></span></div><div
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color:
#444444;"><span style="font-size: 15px;">&nbsp; // Mengatur pin-pin sebagai output untuk
motor</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; pinMode(enable,
OUTPUT);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; pinMode(infrared,
INPUT);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; pinMode(motor1Pin1,
OUTPUT);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; pinMode(motor1Pin2,
OUTPUT);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
Serial.begin(9600);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px;
padding: 0px;"><span style="color: #444444;"><span style="font-size:
15px;">></span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;"><br /></span></span></div><div
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color:
#444444;"><span style="font-size: 15px;">void loop() {</span></span></div><div style="border: 0px;
box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color: #444444;"><span
style="font-size: 15px;"><br /></span></span></div><div style="border: 0px; box-sizing: border-box;
margin: 0px; padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; //
Membaca nilai dari lm35</span></span></div><div style="border: 0px; box-sizing: border-box; margin:
0px; padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; float suhu =
analogRead(LM35);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px;
padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
Serial.println(suhu);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px;
padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; // Membaca nilai
dari infrared</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:

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15px;">&nbsp; &nbsp; }</span></span></div><div style="border: 0px; box-sizing: border-box; margin:
0px; padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
else{</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp; digitalWrite(enable,
LOW);&nbsp;</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px;
padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;"></span></span></div><div
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color:
#444444;"><span style="font-size: 15px;">// Fungsi untuk menampilkan panah pada dot
matrix</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">void displayArrow(byte pattern)
{</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; for (int row = 0; row &lt; 8;
row++) {</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp; lc.setRow(0, row,
pattern);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; }</span></span></div><div
style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="color:
#444444;"><span style="font-size: 15px;">&nbsp; delay(500); // Mengatur kecepatan
animasi</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp;
lc.clearDisplay(0);</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px;
padding: 0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; delay(500); // Jeda
sebelum membaca input lagi</span></span></div><div style="border: 0px; box-sizing: border-box;
margin: 0px; padding: 0px;"><span style="color: #444444;"><span style="font-size:
15px;"></span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">// Menampilkan panah ke
kanan</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">void displayArrowRight()
{</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; byte arrowRight[8] =
{</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp;
B00011000,</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp;
B00001100,</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp;
B00000110,</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp;
B11111111,</span></span></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding:
0px;"><span style="color: #444444;"><span style="font-size: 15px;">&nbsp; &nbsp;

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15px;"></span></span></div></div></div><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px;"><br /></div></span></div><p style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="K" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">5. Kondisi</a></span>&nbsp;<a href="#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;">[Kembali]</a></span></b></p><p style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;">Ketika infrared mendeteksi sesuatu maka akan mengaktifkan driver motor yang membuat motor dapat diberikan logika pada driver, ketika suhu &lt; 30 maka motor akan berputar kearah kanan dan ketika suhu &gt; 40 maka motor akan berputar kearah kiri dan ketika suhunya diantara 30 - 40 maka akan mematikan motor.&nbsp;</span></p><div><p style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"></b></p><div style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: -webkit-center;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="V" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;"><br /></a></span></span></b></p><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 15px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="V" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">6. Video Simulasi</a></span>&nbsp;<a href="#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;">[Kembali]</a></span></b></p></span></span></span></div></div><p style="border: 0px; box-sizing: border-box; margin: 0px 0px 15px; padding: 0px; text-align: justify;"></p><div style="text-align: left;"><span style="color: #597e00; font-size: medium;"><b><br /></b></span></div><b style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><a href="#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;"><div class="separator" style="clear: both; text-align: center;"><object class="BLOG\_video\_class" contentid="047f4f0974186843" height="266" id="BLOG\_video-047f4f0974186843" width="320"></object></div></a></span></b><p></p><div style="border: 0px; box-sizing: border-box;

#444444; font-size: 15px; margin: 0px; padding: 0px; text-align: center;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div class="separator" style="clear: both; text-align: center;"><br /></div><div class="separator" style="clear: both; text-align: center;"><br /></div><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: -webkit-center;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><p style="border: 0px; box-sizing: border-box; font-weight: 400; margin: 0px 0px 1px; padding: 0px; text-align: justify;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: left;"><span style="border: 0px; box-sizing: border-box; font-size: medium; margin: 0px; padding: 0px;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><a name="L" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; transition: all 0.3s ease 0s;">7. Link Download&nbsp;</a></span><a href="#home" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;">[Kembali]</a></span></b></p></span></span></span></div></b></div></span></span></span></div></span></span></div></span></span></div><p style="border: 0px; box-sizing: border-box; color: #444444; font-size: 15px; margin: 0px 0px 15px; padding: 0px; text-align: left;"></p><ul style="text-align: left;"><li><span style="font-family: helvetica;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;"><span style="border: 0px; box-sizing: border-box; font-weight: 400; margin: 0px; padding: 0px;">HTML→&nbsp;</span><a href="https://docs.google.com/document/d/1L2itF7J3zH0zDKd1oZ9CoCup1lmtP4BSOfXmkMmyGzw/edit" style="border: 0px; box-sizing: border-box; color: #597e00; font-weight: 400; margin: 0px; padding: 0px; text-decoration-line: none; transition: all 0.3s ease 0s;">klik disini</a></b></span></li><li><span style="font-family: helvetica;"><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">Video Percobaan</span><span style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px; text-align: justify;">→&nbsp;</span><a href="https://drive.google.com/file/d/1xfbHpLZYRp7VZU95h0Mp5XL0xXFd4O\_m/view?usp=sharing" style="border: 0px; box-sizing: border-box; color: #597e00; margin: 0px; padding: 0px; text-align: justify; text-decoration-line: none; transition: all 0.3s ease 0s;">klik disini</a></span></li><li><span style="border: 0px; box-sizing: border-box; font-family: verdana; font-feature-settings: inherit; font-kerning: inherit; font-optical-sizing: inherit; font-size: inherit; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-variation-settings: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; text-align: justify; vertical-align: baseline;">Program</span><span style="border: 0px; box-sizing: border-box; font-family: verdana; font-feature-settings: inherit; font-kerning: inherit; font-optical-sizing: inherit; font-size: inherit; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-variation-settings: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; text-align: justify; vertical-align: baseline;">→&nbsp;</span><a href="https://drive.google.com/file/d/1XzwAknzMubvUC9RjYH970OfX5xbGCDr9/view?usp=sharing" style="border: 0px; box-sizing: border-box; color: #597e00; font-family: verdana; font-feature-settings: inherit; font-kerning: inherit; font-optical-sizing: inherit; font-size: inherit; font-stretch: inherit; font-style: inherit; font-variant: inherit; font-variation-settings: inherit; font-weight: inherit; line-height: inherit; margin: 0px; padding: 0px; text-align: justify; vertical-align: baseline;">

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