```html
<p> </p><a name="home">

<p style="text-align: center;"><br /></p>

</a><div style="text-align: center;"><a name="home">

</a><a href="https://fadhilaa212031.blogspot.com/"><span style="font-family: times; font-size: medium;">[KEMBALI KE MENU SEBELUMNYA]</span></a></div>

<span style="font-family: times; font-size: medium;"><br />

</span><center>

<div style="background-color: white; border: 2px dashed rgb(23, 128, 221); height: 250px; overflow: auto; padding: 10px; text-align: center; width: 330px;">

<span style="font-family: times; font-size: medium;"><b>DAFTAR ISI</b><br />

</span><div style="text-align: left;"><span style="font-family: times; font-size: medium;"><br />

    <a href="#satu">1. Pendahuluan</a><br />

    <a href="#dua">2. Tujuan</a><br />

    <a href="#tiga">3. Alat dan Bahan</a><br />

    <a href="#empat">4. Dasar Teori</a><br />

    <a href="#lima">5. Percobaan</a></span></div><div style="text-align: left;">

<div><div style="margin: 5px;">

<div class="smallfont" style="margin-bottom: 2px;"><i><span style="font-weight: bold;">Percobaan ... </span></i><input onclick="if (this.parentNode.parentNode.getElementsByTagName('div')[1].getElementsByTagName('div')[0].style.display != '') { this.parentNode.parentNode.getElementsByTagName('div')[1].getElementsByTagName('div')[0].style.display = ''; this.innerText = ''; this.value = 'Hide'; } else { this.parentNode.parentNode.getElementsByTagName('div')[1].getElementsByTagName('div')[0].style.display = 'none'; this.innerText = ''; this.value = 'Show'; }" style="font-size: 10px; margin: 0px; padding: 0px; width: 60px;" type="button" value="Show" />

</div>

<div class="alt2" style="border: 1px inset; margin: 0px; padding: 6px;">

<div style="display: none;">

        <ol>

                <li><a href="#Prosedur">Prosedur</a></li>

    <li><a href="#rangkaiann">Rangkaian Simulasi dan Prinsip Kerja</a></li>
```

```
<li><a href="#flowchar">Flowchar dan Listing Program</a></li>

<li><a href="#video">Video Simulasi</a></li>

        <li><a href="#download">Download File</a></li>

    </ol>

</div></div></div></div>

</div>

</div></center>

<div style="text-align: justify;"><div style="text-align: center;"><span style="font-family: times; font-size: medium;"><br /></span></div>

</div><div style="text-align: justify;"><div style="text-align: center;"><a name="home" style="text-align: left;"><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: arial; font-size: x-large; font-weight: bold; margin: 0px; padding: 0px; text-align: center;"><span style="font-family: times;">PROJECT MODUL 4</span></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: arial; font-size: x-large; font-weight: bold; margin: 0px; padding: 0px; text-align: center;"><span style="font-family: times;">"Sistem Keamanan Mobil"</span></div><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: arial; font-size: x-large; font-weight: bold; margin: 0px; padding: 0px; text-align: center;"><br /></div></a></div></div><div style="text-align: justify;"><ol><h3 style="text-align: left;"><span style="background-color: white;"><span style="font-family: times; font-size: medium;"><b style="color: #333333;">1. Pendahuluan</b><span style="color: #333333;">  

 <a name="satu">

   </a></span><a href="#home" style="font-weight: normal; text-decoration-line: none;"><span style="color: red;">[Kembali]</span></a></span></span></h3><h3 style="text-align: left;"><div style="background-color: white; color: #444444; font-family: &quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px; font-weight: 400;"><p class="SubBabCxSpFirst" style="margin-left: 0.5in; mso-add-space: auto; mso-list: none; text-indent: 0.25in;"><span lang="EN-ID" style="line-height: 115%;">Keamanan kendaraan, khususnya mobil, menjadi
```
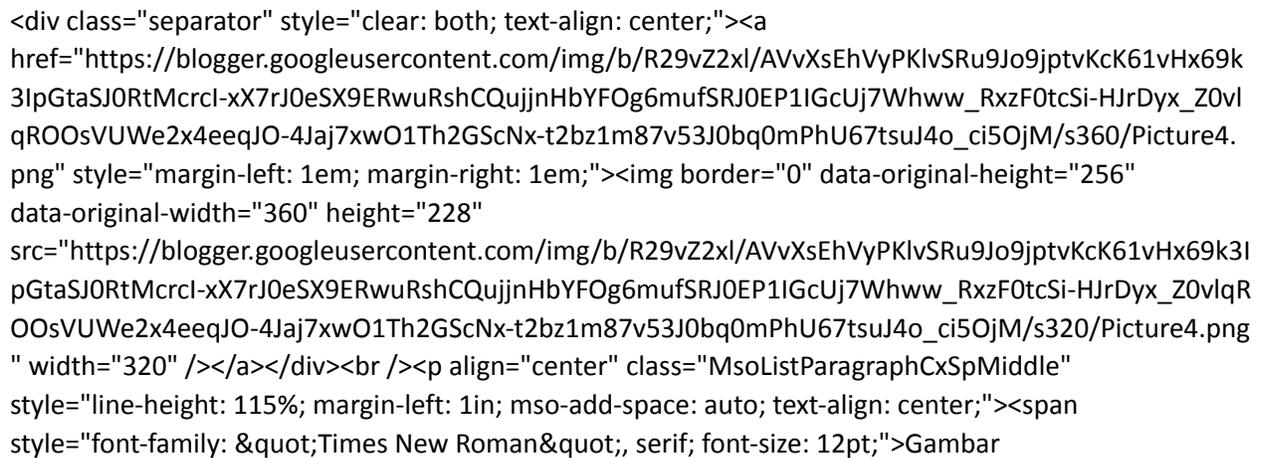
salah satu aspek penting yang perlu mendapat perhatian serius. Peningkatan

angka pencurian mobil dan insiden terkait keamanan lainnya membuat pemilik

kendaraan merasa was-was dan mencari solusi yang lebih aman dan efektif.

Teknologi keamanan konvensional, seperti alarm biasa, kunci kemudi, dan sistem

pelacakan GPS, meskipun cukup membantu, masih memiliki keterbatasan dalam

mendeteksi berbagai jenis ancaman secara real-time. `<o:p></o:p></span></p>`

<p class="SubBabCxSpLast" style="margin-left: 0.5in; mso-add-space: auto; mso-list: none; text-indent: 0.25in;">Oleh karena itu, diperlukan sistem keamanan yang

lebih canggih dan terintegrasi yang mampu memberikan perlindungan komprehensif.

Dengan perkembangan teknologi sensor dan mikroprosesor, kini memungkinkan untuk

mengembangkan sistem keamanan yang lebih maju dengan menggunakan berbagai jenis

sensor. Beberapa sensor yang dapat digunakan untuk meningkatkan keamanan mobil

meliputi sensor ultrasonik, sensor getaran (vibration), sensor gas MQ7, sensor

suhu LM35, dan sensor api (flame). Kombinasi dari berbagai sensor ini dapat

mendeteksi berbagai jenis ancaman, seperti upaya pencurian, kebocoran gas,

kebakaran, dan situasi darurat lainnya.<o:p></o:p></p></div></h3><h3 style="text-align: left;"><div><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">
</div></h3><div><h3 style="text-align: left;"><b style="color: #333333;">2. Tujuan

  [Kembali]</h3></div>
<li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Dapat merancang sebuah sistem sehingga rancangan dapat menjadi sebuah alat
<li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Dapat mengnkombinasikan berbagai sensor, akuator, dan display
<li style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">Dapat mengetahui sebuah sistem menggunakan mikrokontroler
</div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div style="text-align: justify;"><div>3. Alat dan Bahan
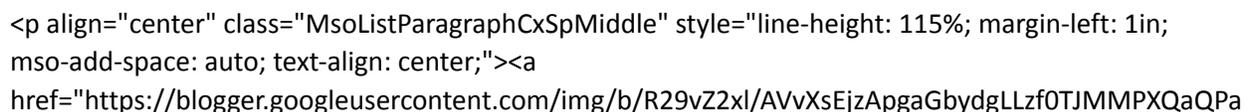

  [Kembali]</div></div></blockquote><p class="SubBabCxSpFirst" style="margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1;"><!--[if !supportLists]-->a.<span style="font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size: 7pt; font-stretch: normal; font-variant-alternates: normal; font-variant-east-asian: normal;

font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height: normal;">

<!--[endif]-->Arduino

uno<o:p></o:p></p>

<div class="separator" style="clear: both; text-align: center;"><a
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<p align="center" class="SubBabCxSpLast" style="margin-left: 1in; mso-add-space: auto; mso-list: none;
text-align: center; text-indent: 0in;">Gambar 1. Arduino
uno<o:p></o:p></p>

<p class="MsoListParagraphCxSpFirst" style="line-height: 115%; margin-left: 1in; mso-add-space: auto;
mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]--><span lang="EN-ID"
style="font-family: "Times New Roman",serif; font-size: 12pt; line-height: 115%;
mso-fareast-font-family: "Times New Roman";">b.<span style="font-family: "Times
New Roman"; font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size:
7pt; font-stretch: normal; font-variant-alternates: normal; font-variant-east-asian: normal;
font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height:
normal;">   <!--[endif]--><span lang="EN-ID"
style="font-family: "Times New Roman",serif; font-size: 12pt; line-height: 115%;">Sensor

Flame<o:p></o:p></p>

<div class="separator" style="clear: both; text-align: center;"><a
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<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in;
mso-add-space: auto; text-align: center;"><span lang="EN-ID" style="font-family: "Times New
Roman",serif; font-size: 12pt; line-height: 115%;">Gambar

2. sensor flame<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space:
auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]--><span lang="EN-ID"
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New Roman"; font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size:
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font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height:
normal;">   <!--[endif]--><span lang="EN-ID"
style="font-family: "Times New Roman",serif; font-size: 12pt; line-height: 115%;">Sensor

ultrasonic<o:p></o:p></p>

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<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in;
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Roman",serif; font-size: 12pt; line-height: 115%;">Gambar

3. Sensor ultrasonic<o:p></o:p></p>

```
<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space:
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New Roman&quot;; font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size:
7pt; font-stretch: normal; font-variant-alternates: normal; font-variant-east-asian: normal;
font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height:
normal;">     </span></span><!--[endif]--><span lang="EN-ID"
style="font-family: &quot;Times New Roman&quot;,serif; font-size: 12pt; line-height: 115%;">Sensor

MQ7<o:p></o:p></span></p>


<div class="separator" style="clear: both; text-align: center;"><a
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style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"><span
style="font-family: &quot;Times New Roman&quot;, serif; font-size: 12pt;">Gambar

4. Sensor MQ7</span></p>


<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space:
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New Roman&quot;; font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size:
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font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height:
normal;">     </span></span><!--[endif]--><span lang="EN-ID"
style="font-family: &quot;Times New Roman&quot;,serif; font-size: 12pt; line-height: 115%;">Sensor

Vibration<o:p></o:p></span></p>


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5.png" width="317" /></p>

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mso-add-space: auto; text-align: center;"><span lang="EN-ID" style="font-family: "Times New
Roman",serif; font-size: 12pt; line-height: 115%;">Gambar

5. Sensor vibration<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space:
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New Roman"; font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size:
7pt; font-stretch: normal; font-variant-alternates: normal; font-variant-east-asian: normal;
font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height:
normal;">   <!--[endif]--><span lang="EN-ID"
style="font-family: "Times New Roman",serif; font-size: 12pt; line-height: 115%;">Sensor

LM35<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in;
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pT_scrSEB2lvkHbCRt7Gftg13wKxuFnHYOTg_nXONAuQF8RW8gTfwlIXAniTmmVUUfuovkpvkrfMUYKMhfA/
s1600/Picture6.png" width="308" /></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

6. Sensor LM35<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->g.   <!--[endif]-->Motor

servo<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

7. motor servo<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->h.<span style="font-family: "Times New Roman"; font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size:

7pt; font-stretch: normal; font-variant-alternates: normal; font-variant-east-asian: normal; font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height: normal;">   <!--[endif]-->Buzzer<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

8. buzzer<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->i.   <!--[endif]-->Kipas

<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEj3F6_rog7Fhl3PPiw7wNivcHjG5jh 4fFr6HDb1avfxzdlP83tEe2_N2L1YHWBa0FIDnZDvnS2jxgBjt7a0UClwrwczFFECzZwX8bbQ7kOp6BYqTHcjaI aafrDxKA-R5oXl-QYIRNrRFD6LfGaDp2RCUx09SBLLOzw5zvSGV_KXXwuxZWQFIKd_EMM_F_w/s222/Pictur

e9.png" style="margin-left: 1em; margin-right: 1em;"></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

9. kipas<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->j.   <!--[endif]-->Jumper

<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

10. jumper<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->k.   <!--[endif]-->Batterai

<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

11. batterai<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->l.   <!--[endif]--><span lang="EN-ID"

style="font-family: "Times New Roman",serif; font-size: 12pt; line-height: 115%;">LCD<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;">Gambar

12. Lcd<o:p></o:p></p>

<p class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; mso-list: l1 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->m.   <!--[endif]-->Breadboard<o:p></o:p></p>

<p align="center" class="MsoListParagraphCxSpMiddle" style="line-height: 115%; margin-left: 1in; mso-add-space: auto; text-align: center;"><img border="0" data-original-height="242" data-original-width="684" height="113" src="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEh5r9riC5iwBkNMOb3tgwsQIb4CfD

P9gKFjtYAUilstAIFR-YNmyZu3VkkYYE7HZg7LpgU80Fv_rx93QsJgnKdsIIFaQjZfIsHRuKyTEuHC70MT8YKjLq4 Nb6nTmboouKL2uVfkT5k3chjzRD8BD1GsetjZNiJQcI_Ujb5VJqVVSBNVo4oLU5ItqgZHktg/s320/Picture13.p ng" width="320" /></p>

<p>   Gambar

13. breadboard </p><div><div style="text-align: left;"> </div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div style="text-align: justify;"><div>4. Dasar Teori

  [Kembali]</div></div></blockquote><div style="text-align: left;"> </div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div style="text-align: justify;"><div style="background-color: white; border: 0px; box-sizing: border-box; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; margin: 0px; padding: 0px; text-align: left;">
</div></div></blockquote><p class="Isi" style="margin-left: 1in; mso-list: l0 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->1.

<!--[endif]-->Arduino uno<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Dapat

dilihat pada Gambar 1, Arduino Uno adalah board mikrokontroler berbasis

ATmega328 (datasheet). Memiliki 14 pin input dari output digital dimana 6 pin

input tersebut dapat digunakan sebagai output PWM dan 6 pin input analog, 16

MHz osilator kristal, koneksi USB, jack power, ICSP header, dan tombol reset.<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0in;">   Setiap 14 pin digital pada arduino uno

dapat digunakan sebagai input dan output, menggunakan fungsi pinMode(), digitalwrite(),

dan digitalRead(). Fungsi fungsi tersebut beroperasi di tegangan 5 volt, Setiap

pin dapat memberikan atau menerima suatu arus maksimum 40 mA dan mempunyai

sebuah resistor pull-up (terputus secara default) 20-50 kOhm.<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Spesifikasi

Arduino uno <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><div class="separator" style="clear: both; text-align: center;"></div>

<p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Adapun block diagram mikrokontroler ATMega 328P dapat dilihat pada gambar berikut:</p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;"></p><div style="background-color: white; border: 0px; box-sizing: border-box; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; margin: 0px; padding: 0px;">   Block diagram dapat digunakan untuk memudahkan / memahami bagaimana kinerja dari mikrokontroler ATMega 328P.<br style="box-sizing: border-box;" /><br style="box-sizing: border-box;" /></div><p class="Isi" style="margin-left: 0.25in; text-align: left; text-indent: 0.25in;">Pin-pin ATMega 328P: </p><p class="Isi" style="margin-left: 0.25in; text-align: left; text-indent: 0.25in;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEjxUghcb1Azvj3Hwtkf8FIWNAvg2h 3kuWYQw1T62Zn6Zs72sOVG0RqH75-5zG3QBuR5gzpwAVM2BbreMDKwF4AiWhJrKOwLdUomHYF-yYlhzk

XGlh_VBm7S45TzpcfpiLMyjDe-EUsh0Lk/s524/WhatsApp+Image+2021-11-10+at+16.12.31.jpeg" style="background-color: white; border: 0px; box-sizing: border-box; color: #597e00; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; margin: 0px; padding: 0px; text-align: center; text-decoration-line: none; text-indent: 0px; transition: all 0.3s ease 0s;"></p><p class="Isi" style="margin-left: 1in; mso-list: l0 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->2.

<!--[endif]-->Buzzer <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Buzzer

adalah sebuah komponen elektronika yang berfungsi untuk mengubah getaran

listrik menjadi getaran suara. Pada dasarnya prinsip kerja buzzer hamper sama

dengan loud speaker, jadi buzzer juga terdiri dari kumparan yang terpasang pada

diafragma dan kemudian kumparan tadi akan tertarik ke dalam atau keluar,

tergantung dari arah arus polaritas magnetnya, karena kumparan dipasang pada

diafragma maka setiap gerakan kumparan akan menggerakan diafragma secara

bolak-balik sehingga membuat udara bergetar yang akan menghasilkan suaara.

Buzzer biasa digunakan sebagai indicator bahwa proses telah selesai atau

terjadi suatu kesalahan pada sebuah alat (alarm). <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Spesifikasi

buzzer <o:p></o:p></p><div class="separator" style="clear: both; text-align: center;"> </div><p class="Isi" style="margin-left: 1in; mso-list: l0 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->3.<span style="font-feature-settings: normal; font-kerning: auto; font-optical-sizing: auto; font-size: 7pt; font-stretch: normal; font-variant-alternates: normal; font-variant-east-asian: normal;

font-variant-numeric: normal; font-variant-position: normal; font-variation-settings: normal; line-height: normal;">

<!--[endif]-->Motor servo<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Motor

servo adalah sebuah motor DC dengan sistem umpan balik tertutup di mana posisi

rotor-nya akan diinformasikan kembali ke rangkaian kontrol yang ada di dalam

motor servo. Motor ini terdiri dari sebuah motor DC, serangkaian gear,

potensiometer, dan rangkaian kontrol. Potensiometer berfungsi untuk menentukan

batas sudut dari putaran servo. Sedangkan sudut dari sumbu motor servo diatur

berdasarkan lebar pulsa yang dikirim melalui kaki sinyal dari kabel motor

servo.<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Keunggulan

dari penggunaan motor servo adalah : <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">a.

Tidak bergetar dan tidak ber-resonansi saat beroperasi. <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">b.

Daya yang dihasilkan sebanding dengan ukuran dan berat motor. <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">c.

Penggunaan arus listrik sebanding dengan beban yang diberikan. <o:p></o:p></p><p class="Isi" style="margin-left: 0.5in; text-indent: 0in;">d.

Resolusi dan akurasi dapat diubah dengan hanya mengganti encoder yang dipakai. <o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">e.

Tidak berisik saat beroperasi dengan kecepatan tinggi<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Spesifikasi

motor servo<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align:

center; text-indent: 0.25in;"> </p><p class="Isi" style="margin-left: 1in; mso-list: l0 level2 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->4.

<!--[endif]-->Sensor ultrasonic<o:p></o:p></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Sensor

ultrasonik adalah sebuah sensor yang berfungsi untuk mengubah besaran fisis

(bunyi) menjadi besaran listrik dan sebaliknya. Cara kerja sensor ini

didasarkan pada prinsip dari pantulan suatu gelombang suara sehingga dapat

dipakai untuk menafsirkan eksistensi (jarak) suatu benda dengan frekuensi

tertentu. Disebut sebagai sensor ultrasonik karena sensor ini menggunakan

gelombang ultrasonik (bunyi ultrasonik). <o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Gambar

diatas menampilkan cara kerja dari sensor ultrasonic. Pada sensor ultrasonik, gelombang ultrasonik

dibangkitkan melalui sebuah alat yang disebut dengan piezoelektrik dengan

frekuensi tertentu. Piezoelektrik ini akan menghasilkan gelombang ultrasonik

(umumnya berfrekuensi 40kHz) ketika sebuah osilator diterapkan pada benda

tersebut. Secara umum, alat ini akan menembakkan gelombang ultrasonik menuju

suatu area atau suatu target. Setelah gelombang menyentuh permukaan target,

maka target akan memantulkan kembali gelombang tersebut. Gelombang pantulan

dari target akan ditangkap oleh sensor, kemudian sensor menghitung selisih

antara waktu pengiriman gelombang dan waktu gelombang pantul diterima.<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Spesifikasi

sensor ultrasonic<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Grafik jarak banding waktu sensor ultrasonic<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Visualisasi sinyal dari sensor

ultrasonic<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;"> </p><p align="left" class="Isi"

style="margin-left: 1in; text-indent: -0.25in;"><!--[if !supportLists]-->5.   <!--[endif]-->Sensor flame<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;"> </p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Flame Sensor adalah komponen elektronika yang memiliki

fungsi dapat mendeteksi nyala api dengan panjang gelombang 760nm – 1100nm.

Sensor nyala api ini mempunyai sudut pembacaan 60 derajat, dan beroperasi pada

suhu -25 derajat -85 derajat. Dan jarak pembacaan antara sensor dan objek yang

dideteksi tidak boleh terlalu dekat, untuk menghindari kerusakan sensor.<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Analog output (A0): Real-time sinyal tegangan output

pada tahan panas. Dengan pin Analog Output ini kita bisa memperkirakan letak

api karena pembacaan sensor ini yaitu 60 derajat.<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Digital output (D0): Jika suhu mencapai batas tertentu,

output akan tinggi dan rendah ambang sinyal disesuaikan melalui potensiometer.<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Tegangan input untuk pin Analog adalah 5V dan jika

menggunakan pin digital dapat menggunakan tegangan 3.3V.<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Spesifikasi sensor flame<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Grafik respon sensor flame<o:p></o:p></p><p align="center"

class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="left" class="Isi" style="margin-left: 1in; text-indent: -0.25in;"><!--[if !supportLists]-->6.

<!--[endif]-->Sensor vibration<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Sensor getar yang digunakan adalah vibration sensor

yang dibuat untuk keadaan umum. Spesifikasi yang membutuhkan tegangan masukan

yang kecil membuat perangkat ini sangat sempurna digunakan untuk banyak

aplikasi di otomotif dan industriindustri elektronik. <o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Berikut merupakan karakteristik sensor getar <o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">a. Tegangan masukannya mulai dari 2V s/d 36V DC. <o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">b. Kehilangan arus sangat kecil ketika tegangan kecil

0,4 mA. <o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">c. Sensitivitasnya bisa diatur. <o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">d. Rugi-rugi arus masuk ± 5 nA. <o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">e. Rugi-rugi tegangan yang keluar ± 3 mV<o:p></o:p></p><p align="left" class="Isi" style="text-indent: 0in;"> </p><p align="left" class="Isi" style="margin-left: 1in; text-indent: -0.25in;"><!--[if !supportLists]-->7.

<!--[endif]-->Sensor LM35<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Sensor

suhu LM35 adalah komponen elektronika yang memiliki fungsi untuk mengubah

besaran suhu menjadi besaran listrik dalam bentuk tegangan. Sensor Suhu LM35

yang dipakai dalam penelitian ini berupa komponen elektronika elektronika yang

diproduksi oleh National Semiconductor. <o:p></o:p></p><p class="MsoNormal" style="background: white; line-height: normal; margin-bottom: 11.25pt; text-align: justify; text-indent: 45pt;">karakteristik dari sensor LM35:<o:p></o:p></p><ul type="disc">

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;">Memiliki

    sensitivitas suhu, dengan faktor skala linier antara tegangan dan suhu 10

    mVolt/ºC, sehingga dapat dikalibrasi langsung dalam celcius.<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;">Memiliki

    ketepatan atau akurasi kalibrasi yaitu 0,5ºC pada suhu 25 ºC<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;"> Memiliki

    jangkauan maksimal operasi suhu antara -55 ºC sampai +150 ºC.<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;"> Bekerja

    pada tegangan 4 sampai 30 volt.<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;"> Memiliki

    arus rendah yaitu kurang dari 60 µA.<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;"><span

style="font-family: "Times New Roman",serif; font-size: 12pt; mso-ansi-language: EN-US; mso-fareast-font-family: "Times New Roman";"> Memiliki

pemanasan sendiri yang rendah (low-heating) yaitu kurang dari 0,1 ºC pada

udara diam.<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;"> Memiliki

impedansi keluaran yang rendah yaitu 0,1 W untuk beban 1 mA.<o:p></o:p>

 <li class="MsoNormal" style="background: white; color: #222222; line-height: normal; mso-list: l1 level1 lfo2; mso-margin-bottom-alt: auto; mso-margin-top-alt: auto; tab-stops: list .5in;"> Memiliki

ketidaklinieran hanya sekitar ± ¼ ºC.<o:p></o:p>

<p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Grafik sensor LM35<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"> </p><p align="left" class="Isi" style="margin-left: 1in; text-indent: -0.25in;"><!--[if !supportLists]-->8.

<!--[endif]-->Sensor MQ7<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Sensor MQ-7 adalah sebuah sensor gas CO (karbon

monoksida) yang cukup mudah dalam menggunakannya, memiliki sensitivitas yang

tinggi dan waktu respon yang cukup cepat. Sensor ini sangat cocok untuk

mendeteksi gas CO dengan jangkauan mulai dari 20 sampai 2.000 ppm (Part Per

Million). Pada sensor ini terdapat nilai resistansi sensor (Rs) yang dapat

berubah bila mendeteksi gas dan juga sebuah pemanas yang digunakan sebagai

pembersih sensor dari kontaminasi udara dari luar (Faroqi, Hadisantoso, Halim,

& Sanjaya, 2016). Output yang dihasilkan sensor ini berupa sinyal analog

dan membutuhkan tegangan direct current (DC) sebesar 5V. Sensor MQ-7 ini memiliki

6 pin, 4 pin yang digunakan untuk mengambil sinyal dan 2 pin digunakan untuk

memberikan pemanasan material sensor, struktur dan konfigurasi sensor gas.
<o:p></o:p></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Spesifikasi sensor MQ7<o:p></o:p></p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"></p><p align="left" class="Isi" style="margin-left: 0.25in; text-indent: 0.25in;">Grafik respon sensor MQ7<o:p></o:p></p><p>

</p><p align="center" class="Isi" style="margin-left: 0.25in; text-align: center; text-indent: 0.25in;"><a href="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEg6I0xKBgDI86YwZe4hjOC9ktDNSU

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Picture25.png" style="margin-left: 1em; margin-right: 1em; text-indent: 0px;"><img border="0"
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</div></div></blockquote></div><div><div style="text-align: justify;">
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style="background-color: white;"><div style="color: #333333;"><p style="color: black; text-align:
left;"></p><div class="separator" style="clear: both; color: black; text-align:
center;"></div></div></div><p><b
style="background-color: white;">5. Prosedur<span style="background-color: white; color:
#333333;">

  [Kembali]</p><div style="background-color: white; color:
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left;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">a.
percobaan</div><div style="background-color: white; color: #444444; font-family: "open
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</div><ul
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text-align: left;"><li style="margin: 0px 0px 0.25em; padding: 0px;"><span lang="EN-US"
style="background-color: white;">Siapkan segala komponen yang di butuhkan
<li
style="margin: 0px 0px 0.25em; padding: 0px;"><span lang="EN-US" style="background-color:
white;">Susun rangkaian sesuai panduan
<li style="margin: 0px 0px 0.25em; padding:
0px;">Input codingan arduino
<li style="margin: 0px
0px 0.25em; padding: 0px;">Hidupkan
rangkaian
<li style="margin: 0px 0px 0.25em; padding: 0px;"><span lang="EN-US"
style="background-color: white;">Apabila tidak terjadi eror, maka rangkaian selesai
dibuat
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</div><div
style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica,

sans-serif; font-size: 15px; text-align: left;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">b. Rangkaian Simulasi dan Prinsip Kerja <b style="background-color: transparent;">[kembali]</div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; text-align: left;"><div style="text-align: center;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">   <div class="separator" style="clear: both; text-align: center;"></div>
</div><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;"><div class="separator" style="clear: both;"><div style="font-weight: 400;"><p style="margin-left: 0.25in; text-indent: 0.25in;">Arduino master bertanggung jawab

untuk mengumpulkan data dari berbagai sensor. Sensor flame mendeteksi adanya

api atau sumber panas yang tidak normal, sensor vibration mendeteksi getaran

yang menunjukkan adanya benturan atau upaya pembobolan, sensor gas MQ7

mendeteksi keberadaan gas karbon monoksida, sensor suhu LM35 memantau suhu di

dalam mobil, dan sensor ultrasonik mendeteksi pergerakan atau objek di sekitar

mobil.<o:p></o:p></p>

<p style="margin-left: 0.25in;">Arduino master terus-menerus memonitor dan membaca

data dari sensor-sensor ini. Ketika mendeteksi kondisi abnormal seperti api,

getaran, kebocoran gas, suhu tinggi, atau pergerakan mencurigakan, Arduino

master akan mengirimkan data atau sinyal ke Arduino slave melalui komunikasi UART.<o:p></o:p></p>

<p style="margin-left: 0.25in; text-indent: 0.25in;">Arduino slave bertindak sebagai

pengendali eksekusi tindakan berdasarkan data yang diterima dari master.

Tindakan-tindakan ini meliputi mengaktifkan alarm suara melalui buzzer,

menampilkan pesan peringatan di LCD, mengaktifkan kipas untuk menurunkan suhu.<o:p></o:p></p>

<p style="margin-left: 0.25in; text-indent: 0.25in;">Dengan demikian, Arduino master

bertugas sebagai pengumpul dan pemroses data dari sensor-sensor, sementara

Arduino slave bertugas sebagai penerima data dan pengendali output atau

tindakan yang harus diambil. Hal ini memungkinkan sistem untuk merespons secara

cepat dan efektif terhadap berbagai ancaman yang terdeteksi, memberikan

keamanan yang lebih komprehensif bagi kendaraan<o:p></o:p></p></div></div><div class="separator" style="clear: both; text-align: center;">
</div>

</div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; text-align: left;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">c. Flowchar dan Listening Program <b style="background-color: transparent;">[kembali]</div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; text-align: left;"><b style="border: 0px; box-sizing: border-box; margin: 0px; padding: 0px;">   </div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px; text-align: left;">
</div><div style="background-color: white; text-align: left;">
</div><div style="background-color: white; text-align: left;">
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  Kode untuk Arduino Master</span><span style="color: #4e5b61; font-family: Consolas; font-size:
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Roman&quot;;">#define</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
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New Roman&quot;;">LM35</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
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Roman";">#define

FLAME_SENSOR 12<o:p></o:p></p>

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font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">GAS_SENSOR,

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font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">FLAME_SENSOR,

  INPUT</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">pinMode</span><span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">VIBRATION_SENSOR,

  INPUT</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
```

```
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">pinMode</span><span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">TRIGGER_PIN,

  OUTPUT</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">pinMode</span><span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">ECHO_PIN,

  INPUT</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
```

```
#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">}</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">void</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">loop</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">()</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span
style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">{</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">float</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> suhu = </span><span style="color:
#d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
```

"Times New Roman"; mso-fareast-font-family: "Times New Roman";">analogRead(LM35);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  float voltage = suhu * (5.0

 / 1023.0);

   // Mengonversi nilai analog ke tegangan<o:p></o:p></p>

```
<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

</span><span style="color: #00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">float</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> temperature =

voltage * </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">100.0</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;</span><span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">

 // Mengonversi tegangan ke suhu (°C)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

</span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">if</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">temperature

&gt;= </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">39</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
```

```
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;"> </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">{</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;"> 

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">Serial</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">.</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">write</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">'B'</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">;</span><span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">

  // Menghidupkan motor pada pin 9 Slave</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;"> 

  </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;">}</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
```

```
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">int</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> gas = </span><span style="color: #d35400;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">digitalRead</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">GAS_SENSOR</span><span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">if</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
```

New Roman"; mso-fareast-font-family: "Times New Roman";">(gas

== HIGH) {<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  Serial.write('A');

// Menghidupkan motor pada pin 11 Slave<o:p></o:p></p>

```
  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">}</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #728e00;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">else</span><span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">

  </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">{</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">Serial</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">write</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">'C'</span><span
style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;</span><span style="color: #95a5a6;
```

font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">

  // Mengaktifkan pin 10 Slave<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

}<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"> </p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

if (digitalRead(FLAME_SENSOR<span style="color: #434f54; font-family: Consolas; font-size:

10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">)

  == HIGH) {<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  Serial.write('D');

  // Menghidupkan buzzer pada pin 13 Slave<o:p></o:p></p>

```
  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">}</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">if</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">digitalRead</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">VIBRATION_SENSOR</span><span style="color: #434f54; font-family: Consolas;
font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">

  == HIGH</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
```

mso-fareast-font-family: "Times New Roman";">) {<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    Serial.write('E');

  // Menghidupkan buzzer pada pin 12 Slave<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  <span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New

```
Roman&quot;;">}</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  // Kode untuk sensor ultrasonik</span><span style="color: #4e5b61; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">digitalWrite</span><span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">TRIGGER_PIN,

  LOW</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 
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</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">delayMicroseconds</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">2</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">digitalWrite</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">TRIGGER_PIN,

  HIGH</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">delayMicroseconds</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">10</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
```

mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">&nbsp;

digitalWrite(TRIGGER_PIN,

  LOW);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">&nbsp;</p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">&nbsp;

long duration = pulseIn<span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";

mso-fareast-font-family: "Times New Roman";">(ECHO_PIN,

  HIGH);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  int distance = duration * 0.034

  / 2;<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"> </p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">

```
</span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">if</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">distance

&lt; </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">200</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span
style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">{</span><span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

// Jika ada benda dalam jarak 200 cm</span><span style="color: #4e5b61; font-family: Consolas;
font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">Serial</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">write</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">'F'</span><span
```

style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">);

  // Mengirimkan perintah ke Slave untuk menampilkan pesan<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  }<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  delay(100);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:

#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">}<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"> </p>

  <p class="MsoNormal" style="line-height: 115%; margin-bottom: 0in; margin-left: .5in; margin-right: 0in; margin-top: 0in; margin: 0in 0in 0in 0.5in;"> </p>

  </td>

 </tr>

</tbody></table>

<p class="MsoListParagraphCxSpFirst" style="line-height: 115%; margin-left: 0.75in; mso-add-space: auto;"> </p>

<p class="MsoListParagraphCxSpLast" style="line-height: 115%; margin-left: 0.75in; mso-add-space: auto; mso-list: l0 level1 lfo1; text-indent: -0.25in;"><!--[if !supportLists]-->B.   <!--[endif]-->Slave<o:p></o:p></p>

<table border="1" cellpadding="0" cellspacing="0" class="MsoTableGrid" style="border-collapse: collapse; border: none; margin-left: 0.75in; mso-border-alt: solid windowtext .5pt; mso-padding-alt: 0in 5.4pt 0in 5.4pt; mso-yfti-tbllook: 1184;">

 <tbody><tr>

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width: 450.8pt;" valign="top" width="601">

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">#include</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">&lt;Wire.h&gt;</span><span style="color: #4e5b61; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">#include</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">&lt;LiquidCrystal_I2C.h&gt;</span><span style="color: #4e5b61; font-family: Consolas;
font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">#include</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
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Roman&quot;;">&lt;Servo.h&gt;</span><span style="color: #4e5b61; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>
```

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    <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

    <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">//

    Inisialisasi LCD I2C dengan alamat 0x27 dan ukuran 16x2</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"><o:p></o:p></span></p>

    <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">LiquidCrystal_I2C

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">lcd</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">0x</span><span
style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">27</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
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mso-fareast-font-family: &quot;Times New Roman&quot;;">,

    </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
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Roman&quot;;">16</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
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New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">2</span><span
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Roman";">)<span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
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  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
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"Times New Roman"; mso-fareast-font-family: "Times New
Roman";"> </p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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"Times New Roman"; mso-fareast-font-family: "Times New Roman";">Servo

  myservo;<span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";"> // Membuat objek servo<span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New
Roman";"><o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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"Times New Roman"; mso-fareast-font-family: "Times New
Roman";"> </p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
"Times New Roman"; mso-fareast-font-family: "Times New
Roman";">int<span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">

  motorPin2 = <span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt;
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mso-fareast-font-family: "Times New Roman";">9<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New
Roman";">;<o:p></o:p></p>

```
  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">int</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  ledPin = </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">10</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">int</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  buzzerPin = </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt;
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mso-fareast-font-family: &quot;Times New Roman&quot;;">13</span><span style="color: #4e5b61;
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New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">int</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  buzzerPin2 = </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt;
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mso-fareast-font-family: &quot;Times New Roman&quot;;">12</span><span style="color: #4e5b61;
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New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>
```

```html
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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">//

  Variabel untuk menyimpan waktu terakhir sensor terpicu</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"><o:p></o:p></span></p>

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initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
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&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">unsigned</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">long</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> lastTriggerTime = </span><span
style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">0</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;

  <o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">const</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
```

```
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">unsigned</span><span style="color: #4e5b61; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #00979d;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">long</span><span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">

  clearDelay = </span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">50000</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;</span><span
style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">

  // Waktu tunda untuk membersihkan LCD (dalam milidetik)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">void</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">setup</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
```

mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">()

  {<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  Serial.begin(9600);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  myservo.<span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times

```
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">attach</span><span
style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">(</span><span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">11</span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;</span><span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

 // Menghubungkan servo ke pin 11</span><span style="color: #4e5b61; font-family: Consolas;
font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

 </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">pinMode</span><span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">motorPin2,

 OUTPUT</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

 </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
```

New Roman";">pinMode(ledPin,

 OUTPUT);<o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

pinMode(buzzerPin,

 OUTPUT);<o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

pinMode(buzzerPin2,

OUTPUT);<o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

 <o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

 // Inisialisasi LCD I2C<o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

 lcd.init();<o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:

#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">

lcd.backlight();<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

// Menampilkan pesan pada LCD<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

lcd.print("Hello")<span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;

```
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">}</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">void</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">

  </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">loop</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">()</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span
style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">{</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 
```

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</span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">if</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">Serial</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">available</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">())</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">

</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">{</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

  </span><span style="color: #00979d; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">char</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> command = </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">Serial</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">read</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
```

Roman";">();<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    switch (command)

  {<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      case

  'A':<o:p></o:p></p>

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  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

        </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">myservo</span><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">.</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">write</span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span
style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">180</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;</span><span
style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">

  // Mengatur servo ke +90 derajat</span><span style="color: #4e5b61; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

        </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">lcd</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">setCursor</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
```

mso-fareast-font-family: "Times New Roman";">(<span style="color: #005c5f;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">0<span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New
Roman";">,

<span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New
Roman";">1<span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">)<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">;<span
style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New
Roman";">

// Mengatur posisi kursor pada baris kedua<span style="color: #4e5b61; font-family: Consolas;
font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";"><o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
"Times New Roman"; mso-fareast-font-family: "Times New Roman";">

      <span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">lcd<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">.<span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New
Roman";">print<span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">(<span style="color: #005c5f;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">"Motor

ON   "<span style="color: #434f54; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">)<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">;<span
style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;

mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">

  // Menampilkan pesan pada LCD<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      break;<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    case

  'B':<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      digitalWrite(motorPin2,

HIGH);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

        lcd.setCursor(0,

  1);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

        lcd<span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times

New Roman"; mso-fareast-font-family: "Times New Roman";">.<span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New
Roman";">print<span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">(<span style="color: #005c5f;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">"Motor2

  ON   "<span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">)<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New
Roman";">;<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
"Times New Roman"; mso-fareast-font-family: "Times New Roman";">

      <span style="color: #728e00; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">break<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New
Roman";">;<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
"Times New Roman"; mso-fareast-font-family: "Times New Roman";">

    <span style="color: #728e00; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";
mso-fareast-font-family: "Times New Roman";">case<span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times
New Roman"; mso-fareast-font-family: "Times New Roman";">

'C':<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:

```
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

      </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">myservo</span><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">.</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">write</span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span
style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">0</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

      </span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">break</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">case</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">
```

'D':<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">&nbsp;

&nbsp; &nbsp; &nbsp; digitalWrite(buzzerPin,

HIGH);<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">&nbsp;

&nbsp; &nbsp; &nbsp; lcd.setCursor(0,

<span style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New

Roman";">1);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

        lcd.print("Buzzer

  ON   ");<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

        break;<o:p></o:p></p>

```html
    <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

     </span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">case</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">

 'E':<o:p></o:p></span></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

       </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">digitalWrite</span><span style="color:
#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">buzzerPin2,

 HIGH</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

       </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">lcd</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
```

mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">setCursor(0,

1);<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      lcd.print("Buzzer2

ON   ");<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat:

initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      break;<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    case

'F':<o:p></o:p></p>

<p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      lcd.clear();

// Membersihkan LCD<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

      lcd.setCursor(0,

0);

// Mengatur posisi kursor pada baris pertama<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">

```
      </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">lcd</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">print</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #005c5f;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">"Ada

  sesuatu"</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;</span><span
style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">

  // Menampilkan pesan pada baris pertama</span><span style="color: #4e5b61; font-family: Consolas;
font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

        </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">lcd</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">.</span><span
style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">setCursor</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span style="color: #005c5f;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">0</span><span
style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
```

mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">,

 1);

 // Mengatur posisi kursor pada baris kedua<o:p></o:p></p>

 <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

         lcd.print("di

 belakang");<span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">

```
  // Menampilkan pesan pada baris kedua</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

        lastTriggerTime = </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">millis</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">()</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;</span><span style="color: #95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">

  // Memperbarui waktu terakhir sensor terpicu</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

        </span><span style="color: #728e00; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">break</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">}</span><span style="color: #4e5b61;
```

```
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">delay</span><span style="color: #434f54;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;">(</span><span
style="color: #005c5f; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US;
mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">10</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">)</span><span style="color: #4e5b61;
font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times
New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#95a5a6; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    // Matikan semua output</span><span style="color: #4e5b61; font-family: Consolas; font-size:
10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;"><o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">myservo</span><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">.</span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
```

mso-fareast-font-family: "Times New Roman";">write(0);

 // Mengatur servo ke posisi 0 derajat<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    digitalWrite(motorPin2,

  LOW);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    <span style="color: #d35400; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman";

```
mso-fareast-font-family: &quot;Times New Roman&quot;;">digitalWrite</span><span style="color:
#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">ledPin,

  LOW</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">digitalWrite</span><span style="color:
#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">buzzerPin,

  LOW</span><span style="color: #434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language:
EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times
New Roman&quot;;">)</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">;<o:p></o:p></span></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New Roman&quot;;"> 

    </span><span style="color: #d35400; font-family: Consolas; font-size: 10.5pt;
mso-ansi-language: EN-US; mso-bidi-font-family: &quot;Times New Roman&quot;;
mso-fareast-font-family: &quot;Times New Roman&quot;;">digitalWrite</span><span style="color:
#434f54; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;">(</span><span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;
```

mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";">buzzerPin2,

  LOW);<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

}<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"> </p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  // Cek apakah sudah lewat waktu tunda sejak sensor terakhir terpicu<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

if<span style="color: #4e5b61; font-family: Consolas; font-size: 10.5pt;

mso-ansi-language: EN-US; mso-bidi-font-family: "Times New Roman"; mso-fareast-font-family: "Times New Roman";"> (millis()

 - lastTriggerTime >= clearDelay)

  {<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    lcd.clear();

// Membersihkan LCD jika sudah lewat waktu tunda<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

    lastTriggerTime = millis();

  // Reset waktu terakhir sensor terpicu<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">

  }<o:p></o:p></p>

  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;">}<o:p></o:p></p>

```
  <p class="MsoNormal" style="background-attachment: initial; background-clip: initial;
background-image: initial; background-origin: initial; background-position: initial; background-repeat:
initial; background-size: initial; line-height: 14.25pt; margin: 0in 0in 0in 0.5in;"><span style="color:
#4e5b61; font-family: Consolas; font-size: 10.5pt; mso-ansi-language: EN-US; mso-bidi-font-family:
&quot;Times New Roman&quot;; mso-fareast-font-family: &quot;Times New
Roman&quot;;"> </span></p>

  <p class="MsoNormal" style="line-height: 115%; margin-bottom: 0in; margin-left: .5in; margin-right:
0in; margin-top: 0in; margin: 0in 0in 0in 0.5in;"><span lang="EN-ID" style="font-family: &quot;Times
New Roman&quot;,serif; font-size: 12pt; line-height: 115%;"> </span></p>

  </td>

 </tr>

</tbody></table><br /><br /><div class="separator" style="clear: both; color: #444444; font-family:
&quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px; text-align: center;"><br /></div><br
/><div class="separator" style="clear: both; color: #444444; font-family: &quot;open sans&quot;, arial,
helvetica, sans-serif; font-size: 15px; text-align: center;"><br /></div></div></ol></div></div><div><div
style="text-align: justify;"><div><span style="font-family: times; font-size:
medium;"><span><span>    </span><span>    </span>e. Video
Simulasi 

  <a name="video"></a></span><a href="#home" style="background-color: white; text-decoration-line:
none;"><span style="color: red;">[Kembali]</span></a></span></div><div><b style="color: #444444;
font-family: &quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px; text-align: left;"><br
/></b></div><div><b style="color: #444444; font-family: &quot;open sans&quot;, arial, helvetica,
sans-serif; font-size: 15px; text-align: left;">simulasi</b></div><div><b style="color: #444444;
font-family: &quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px; text-align: left;"><br
/></b></div><div><div class="separator" style="clear: both; text-align: left;"><br /></div><div
class="separator" style="clear: both; text-align: left;"><br /></div><div class="separator" style="clear:
both; text-align: left;"><br /></div></div></div></div><div><div style="text-align: justify;"><div
class="separator" style="clear: both; text-align: center;"><div style="background-color: white; color:
#444444; font-family: &quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px; text-align:
left;"><br /></div><div style="background-color: white; text-align: left;"><div style="text-align:
center;"><div class="separator" style="clear: both;"><br
/></div></div></div></div></div></div><div><div style="text-align: justify;"><div><span
style="font-family: times; font-size: medium;"><span><span>  
 </span><span>    </span>f. Download File 

  <a name="download"></a></span><a href="#home" style="background-color: white;
text-decoration-line: none;"><span style="color:
red;">[Kembali]</span></a></span></div><div><ul><ul><li><div style="background-color: white; color:
#444444; font-family: &quot;open sans&quot;, arial, helvetica, sans-serif; font-size: 15px;">Download
HTML <a
href="https://docs.google.com/document/d/1idO6TCGDZ_g9FlGZd2yRuQcFjVKmSFHs/edit?usp=drive_li
nk&amp;ouid=116254569630791161242&amp;rtpof=true&amp;sd=true">disini</a></div><div
```

style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px;">Download rangkaian simulasi di sini</div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px;">Download rangkaian visual designer d isini</div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px;">Download kode program di sini</div><div style="background-color: white; color: #444444; font-family: "open sans", arial, helvetica, sans-serif; font-size: 15px;">
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