

```

<a name="home">
</a>
<span><span style="background-color: black; color: white;"><br />
</span></span><div style="text-align: center;">
<a href="#https://ainam212048.blogspot.com/"><span style="background-color: black; color:
white;">[KEMBALI KE MENU SEBELUMNYA]</span></a></div>
<span><span style="background-color: black; color: white;"><br />
</span></span><center>
<div style="border: 2px dashed rgb(23, 128, 221); height: 240px; overflow: auto; padding:
10px; text-align: center; width: 330px;">
<span><span style="background-color: black; color: white;"><b>DAFTAR ISI</b>
<br />
</span></span><div style="text-align: left;">
<a href="#pendahuluan"><span style="background-color: black; color: white;">1.
Pendahuluan</span></a></div>
  <div style="text-align: left;">
<a href="#tujuan"><span style="background-color: black; color: white;">2.
Tujuan</span></a></div>
<div style="text-align: left;">
<a href="#alat"><span style="background-color: black; color: white;">3. Alat dan
Bahan</span></a></div>
<div style="text-align: left;">
<a href="#dasar"><span style="background-color: black; color: white;">4. Dasar
Teori</span></a></div>
<div style="text-align: left;">
<span><span style="background-color: black; color: white;"><a href="#percobaan">5.
Percobaan</a><br />
</span></span><div><div style="margin: 5px;">
<div class="smallfont" style="margin-bottom: 2px;"><span style="background-color:
black;"><i><span style="font-weight: bold;"><span style="color:
#ffa400;">Percobaan</span> <div class="smallfont" style="margin-bottom: 2px;"><i><span
style="font-weight: bold;"><span style="color: #ffa400;">Percobaan</span>
</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;">
<ul type="A">
<li><a href="#prosedur">a. Prosedur</a></li>
<li><a href="#hardware">b. Hardware</a></li>
<li><a href="#rangkaiannya">c. Rangkaian Simulasi dan Prinsip Kerja</a></li>
<li><a href="#flowchart">d. Flowchart dan Listing Program</a></li>

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e. Video Simulasi
f. Download File

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

<div style="font-family: times, "times new roman", serif; font-size: medium;">
</div><div style="font-family: times, "times new roman", serif;"><div style="border: 0px; box-sizing: border-box; font-family: "open sans", arial, helvetica, sans-serif; font-size: x-large; font-weight: 400; margin: 0px; padding: 0px; text-align: center;">
</div><div style="border: 0px; box-sizing: border-box; font-family: "open sans", arial, helvetica, sans-serif; font-weight: 400; margin: 0px; padding: 0px; text-align: center;"><b style="font-family: arial; text-align: left;"><div style="text-align: center;">SMART LIFT</div><div style="font-size: medium;"><b style="border: 0px; box-sizing: border-box; font-family: "open sans", arial, helvetica, sans-serif; font-size: large; margin: 0px; padding: 0px;">
</div></div></div>1. Pendahuluan

[Kembali]<div><div><div style="text-indent: -24px;">
</div>
2. Tujuan

[Kembali]</div><div><div style="color: #bbbbbb; margin: 0px; position: relative;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Memahami prinsip dasar input dan output pada mikrokontroler.<li style="margin: 0px 0px 0.25em; padding: 0px;">Mampu mengonfigurasi dan mengendalikan 7-segment sebagai output pada mikrokontroler.<li style="margin: 0px 0px 0.25em; padding: 0px;">Mampu menangkap dan memproses input dari keypad.</div><div>
3. Alat dan Bahan

[\[Kembali\]](#)

A.

- Power Supply

B. Bahan

- Motor DC

Cuplikan%20layar%202022-11-08%20010140.png

src="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhpa2zq2IWnwLhSzK2T yexWT3nheS1xjNFU1obQsMub27LsuTyR2yjWsObxKm7jN29_tQ2OqJGoPhs7xP_hiBkVDIv 3Sm_WxiBtkTbBMLXdqrRRdNLcOantSFizhTKKNZL-p6o89JMYVeNH3LFwtsdakHEGXaLIN PcQf5u-fIWNJ9xEgxsao_iuh0i_zA/w317-h320/Cuplikan%20layar%202022-11-08%2001014 0.png" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; border: 1px solid rgb(234, 234, 234); box-shadow: rgba(0, 0, 0, 0.1) 1px 1px 5px; padding: 5px; position: relative;" width="317"

</div></div></div></div></div></div><div style="margin: 0px; position: relative;"><div style="color: white; font-family: times;"><h3 style="margin: 0px; position: relative;"><ul style="line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Seven Segment Common Cathode</h3></div><div style="text-align: center;"></div><div><ul style="color: white; font-family: times; font-weight: 700; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Arduino Uno<div style="text-align: center;"></div><div><ul style="color: white; font-family: times; font-weight: 700; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Keypad 4 x 3<div class="separator" style="clear: both; color: white; font-family: times; font-size: 13px; text-align: center;"><a href="https://www.static-src.com/wcsstore/Indraprastha/images/catalog/full//106/MTA-36444994/no_brand_keypad_membran_4x3_arduino_full01_rnqvdfi9.jpg"

src="https://www.static-src.com/wcsstore/Indraprastha/images/catalog/full//106/MTA-36444994/no_brand_keypad_membran_4x3_arduino_full01_rnqvdfi9.jpg" style="border: none; position: relative;" width="320" /></div><div class="separator" style="clear: both; color: white; font-family: times; font-size: 13px; text-align: center;">
</div><div class="separator" style="clear: both; text-align: center;"><ul style="color: white; font-family: helvetica; font-size: 15.21px; font-weight: 700; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em; text-align: left;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Vibration Sensor<div class="separator" style="clear: both; color: white; font-family: helvetica; font-size: 15.21px; font-weight: 700;"></div><div class="separator" style="clear: both; color: white; font-family: helvetica;
font-size: 15.21px; font-weight: 700;"><br
</div><div class="separator" style="clear: both;"><ul style="line-height: 1.4;
margin: 0.5em 0px; padding: 0px 2.5em; text-align: left;"><li style="color: white; font-family:
helvetica; font-size: 15.21px; font-weight: 700; margin: 0px 0px 0.25em; padding:
0px;">PIR
Sensor
<ul style="line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li
style="color: white; font-family: helvetica; font-size: 15.21px; font-weight: 700; margin: 0px
0px 0.25em; padding: 0px; text-align: left;"><span style="background-color: black; font-size:
medium;">Touch Sensor</div></div><span style="background-color: black; color: white;
font-family: times;">
<div style="color: white; font-family: times; font-size:
13px;"><br
</div></div></div></div></div><div><div style="border: 0px; box-sizing:
border-box; margin: 0px; padding: 0px;"><div class="separator" style="border: 0px;
box-sizing: border-box; clear: both; margin: 0px; padding: 0px; text-align:
center;"><span style="background-color: black; color: white; font-family: inherit;
font-size: medium;">
</div></div>
<span style="background-color: black; color: white; font-family: inherit; font-size:
medium;">4. Dasar Teori

[Kembali]</div><div><span style="background-color:
black; color: white; font-size: medium;">
</div><div><span
style="background-color: black; color: white;"><div><div style="color: #bbbbbb; font-family:
"Trebuchet MS", Trebuchet, sans-serif; font-size: 13px;"><span style="color:
white;"><h3 style="font-family: helvetica; margin: 0px; position: relative;"><ul
style="line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em;"><li style="margin: 0px 0px
0.25em; padding: 0px;">Motor
DC</h3></div><blockquote style="border: medium; color:
#bbbbbb; margin: 0px 0px 0px 40px; padding: 0px; text-align: justify;"><span style="color:
white;">Motor terdiri atas 2 bagian utama yaitu stator dan
motor. Pada stator terdapat lilitan (winding) atau magnet permanen, sedangkan rotor adalah
bagian yang dialiri dengan sumber arus DC. Arus yang melalui medan magnet inilah yang
menyebabkan rotor dapat berputar. Arah gaya elektromagnet yang ditimbulkan akibat
medan magnet yang dilalui oleh arus dapat ditentukan dengan menggunakan kaidah tangan
kanan.</blockquote><blockquote style="border: medium; color: #bbbbbb;
margin: 0px 0px 0px 40px; padding: 0px;"><span style="border: medium; margin: 0px
0px 0px 40px; padding: 0px;"><h3 style="margin: 0px; position:
relative;"><div style="text-align: justify;"><span style="box-sizing: inherit; text-align: left;

data-original-height="192" data-original-width="256" height="240" src="https://lh3.googleusercontent.com/-2RwGzYbVtjQ/X3Sfex1n3sI/AAAAAAAAAKQ/BKvJU6N_Yt4b3eZtv7q6MRXtjHn4MgcLgCLcBGAsYHQ/image.png" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; border: 0px; box-shadow: rgba(0, 0, 0, 0.1) 1px 1px 5px; height: auto; max-width: 100%; padding: 5px; position: relative;" width="320"/>

Keuntungan utama motor DC adalah sebagai pengendali kecepatan, yang tidak mempengaruhi kualitas pasokan daya. Motor ini dapat dikendalikan dengan mengatur:

- Tegangan dinamo : meningkatkan tegangan dinamo akan meningkatkan kecepatan
- Arus medan : menurunkan arus medan akan meningkatkan kecepatan.

Mekanisme Kerja Motor D

Mekanisme kerja untuk seluruh jenis motor secara umum sama

Seven Segment Common Cathode

Seven segment adalah suatu segmen-segmen yang digunakan untuk menampilkan

didasarkan atas pertimbangan berikut:

- Jenis sinyal getaran
- Rentang frekuensi pengukuran
- Ukuran dan berat objek getaran.
- Sensitivitas sensor

Berdasarkan cara kerjanya sensor dapat dibedakan menjadi:

- Sensor aktif, yakni sensor yang langsung menghasilkan tegangan listrik tanpa perlu catu daya (power supply) dari luar, misalnya Velocity Transducer.
- Sensor pasif yakni sensor yang memerlukan catu daya dari luar agar dapat berkerja.

Grafik perbandingan frekuensi dengan sensitivitas sensor getaran :



https://1.bp.blogspot.com/-J_RSdS0G6Yw/Ye-HcVBs8EI/AAAAAAAAAB_U/3uZOU55K7jYJyR1PyAulorY6oiLwbkJtwCNcBGAsYHQ/s512/image.png



PIR
Sensor



<div style="text-align: center;"></div>
</div></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div><div><div><div style="text-align: left;">Grafik sensor pir terhadap jarak, kecepatan, arah objek</div></div></div></div></blockquote><div><div><div><div>
<div style="text-align: center;"></div><div style="text-align: center;">
</div><div style="text-align: center;">
</div><div style="text-align: center;"><ul style="line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em; text-align: start;"><li style="margin: 0px 0px 0.25em; padding: 0px;">Touch Sensor<div style="text-align: left;"><b style="background-color: black;">
</div><div style="text-align: left;"><div class="separator" style="clear: both; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: center;"></div><div class="separator" style="clear: both; font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; text-align: center;">
</div><p style="font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif;"></p><p class="MsoNormal" style="font-family: Arial, Tahoma, Helvetica, FreeSans, sans-serif; line-height: 24px; margin-left: 42.55pt; text-align: justify;"><o:p style="background-color: black;"></o:p></p><p class="MsoListParagraphCxSpFirst"

style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 24px; margin: 0cm 0cm 0.0001pt 42.55pt; text-align: justify;">Touch Sensor atau Sensor Sentuh adalah sensor elektronik yang dapat mendeteksi sentuhan. Sensor Sentuh ini pada dasarnya beroperasi sebagai sakelar apabila disentuh, seperti sakelar pada lampu, layar sentuh ponsel dan lain sebagainya. Sensor Sentuh ini dikenal juga sebagai Sensor Taktil (Tactile Sensor). Seiring dengan perkembangan teknologi, sensor sentuh ini semakin banyak digunakan dan telah menggeser peranan sakelar mekanik pada perangkat-perangkat elektronik.</u1:p></u1:p>

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

class="MsoListParagraphCxSpLast" style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; line-height: 24px; margin: 0cm 0cm 0cm 42.55pt; text-align: justify;">Berdasarkan fungsinya, Sensor Sentuh dapat dibedakan menjadi dua jenis utama yaitu Sensor Kapasitif dan Sensor Resistif. Sensor Kapasitif atau Capacitive Sensor bekerja dengan mengukur kapasitansi sedangkan sensor Resistif bekerja dengan mengukur tekanan yang diberikan pada permukaannya.</o:p></o:p></p><h3 style="background-attachment: initial;

background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; font-size: 16px; line-height: 28.08px; margin: 0cm 0cm 0.0001pt 42.55pt; position: relative; text-align: justify; vertical-align: baseline;">Sensor Kapasitif<u1:p></u1:p></o:p></o:p></h3><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: 24px; margin-left: 42.55pt; text-align: justify; vertical-align: baseline;">Sensor sentuh Kapasitif merupakan sensor sentuh yang sangat populer pada saat ini, hal ini dikarenakan Sensor Kapasitif lebih kuat, tahan lama dan mudah digunakan serta harga yang relatif lebih murah dari sensor resistif. Ponsel-ponsel pintar saat ini telah banyak yang menggunakan teknologi ini karena juga menghasilkan respon yang lebih akurat.</u1:p></u1:p></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: 24px; margin-left: 42.55pt; text-align: justify; vertical-align: baseline;">Berbeda dengan Sensor Resistif yang menggunakan tekanan tertentu untuk merasakan perubahan pada permukaan layar, Sensor Kapasitif memanfaatkan sifat konduktif alami pada tubuh manusia untuk mendeteksi perubahan layar sentuhnya. Layar sentuh sensor kapasitif ini terbuat dari bahan konduktif (biasanya <i style="font-stretch: inherit; font-variant: inherit; font-weight: inherit; line-height: inherit;">Indium Tin Oxide</i> </i> </i>atau disingkat dengan ITO) yang dilapisi oleh kaca tipis dan hanya bisa disentuh oleh jari manusia atau stylus khusus ataupun sarung

khusus yang memiliki sifat konduktif.

Pada saat jari menyentuh layar, akan terjadi perubahan medan listrik pada layar sentuh tersebut dan kemudian di respon oleh processor untuk membaca pergerakan jari tangan tersebut. Jadi perlu diperhatikan bahwa sentuhan kita tidak akan di respon oleh layar sensor kapasitif ini apabila kita menggunakan bahan-bahan non-konduktif sebagai perantara jari tangan dan layar sentuh tersebut.

Sensor Resistif

Tidak seperti sensor sentuh kapasitif, sensor sentuh resistif ini tidak tergantung pada sifat listrik yang terjadi pada konduktivitas pelat logam. Sensor Resistif bekerja dengan mengukur tekanan yang diberikan pada permukaannya. Karena tidak perlu mengukur perbedaan kapasitansi, sensor sentuh resistif ini dapat beroperasi pada bahan non-konduktif seperti pena, stylus atau jari di dalam sarung tangan.

Sensor sentuh resistif terdiri dari dua lapisan konduktif yang dipisahkan oleh jarak atau celah yang sangat kecil. Dua lapisan konduktif (lapisan atas dan lapisan bawah) ini pada dasarnya terbuat dari sebuah film. Film-film umumnya dilapisi oleh Indium Tin Oxide yang merupakan konduktor listrik yang baik dan juga transparan (bening).

Cara kerjanya hampir sama dengan sebuah sakelar, pada saat film lapisan atas mendapatkan tekanan tertentu baik dengan jari maupun stylus, maka film lapisan atas akan bersentuhan dengan film lapisan bawah sehingga menimbulkan aliran listrik pada titik koordinat tertentu layar tersebut dan memberikan signal ke prosesor untuk melakukan proses selanjutnya.

style="background-attachment: initial; background-clip: initial; background-image: initial; background-origin: initial; background-position: initial; background-repeat: initial; background-size: initial; margin-left: 1em; margin-right: 1em; text-decoration-line: none;"></div><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: 24px; margin-left: 42.55pt; text-align: justify; vertical-align: baseline;"></p><div align="center" class="MsoNormal" style="line-height: normal; margin-bottom: 0cm;">Gambar Grafik Sensor Sentuh</div><div style="font-size: 15.4px;"><br style="color: #222222; font-family: Georgia, Utopia, "Palatino Linotype", Palatino, serif;" /></div></div><div style="text-align: center;">
</div></div>5. Percobaan</div>[Kembali]</div></div>

<blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;">a. Prosedur[Kembali]
</blockquote><ul style="font-family: times; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em; text-align: left;"><ul style="margin: 0px 0px 0.25em; padding: 0px;">Siapkan segala komponen yang di butuhkan<li style="margin: 0px 0px 0.25em; padding: 0px;">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;">Apabila tidak terjadi error, maka rangkaian selesai dibuat.<blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;">b. Hardware</div>

name="hardware">[Kembali]
</blockquote><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div style="text-align: left;"><b style="color: white;">c. Rangkaian Simulasi dan Prinsip Kerja[Kembali] </p></div></blockquote><p></p><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div><p></p><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div style="text-align: justify;">Sensor vibration terhubung ke kaki A0 sebagai input, Sensor PIR terhubung ke kaki A1 sebagai input, Sensor touch terhubung ke kaki A2 sebagai input. Sedangkan A3 dan A4 sebagai output yang terhubung ke pada motor DC. Pada saat salah satu sensor aktif, maka arduino akan mengeluarkan output high pada A4 dan low pada A3 sehingga motor untuk membuka pintu lift akan bergerak, sedangkan ketika semua sensor berlogika nol maka arduino akan mengeluarkan output high pada A3 dan low pada A4 sehingga motor untuk menutup pintu lift akan bergerak. Keypad terhubung ke arduino sebagai input dimana bagian row keypad terhubung ke pin 0-3 arduino, sedangkan bagian columb terhubung ke pin 4-6. Ketika keypad memberi input, arduino akan menjalankan input tersebut dengan menjadikan ouput pada kaki 7-13 yang terhubung kepada sevensegment. Ketika keypad memberi input 1 maka pada seven segment akan menampilkan 1.</div></blockquote><p><span style="background-color:

black;"; </p><div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;">c. Flowchart dan Listing Program[Kembali]
</blockquote></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><p style="text-align: left;"></p><ul style="text-align: left;"><b style="background-color: black;">Flowchart<p></p></blockquote><div><div class="separator" style="clear: both; text-align: center;"></div><div class="separator" style="clear: both; text-align: center;">
</div></div><div class="separator" style="clear: both; text-align: center;"><ul style="text-align: left;"><b style="color: white;">Listing Program </div><div><div style="line-height: 19px; white-space: pre;"><div>#include <Key.h></div><div>#include <Keypad.h></div><div>
</div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;">#include <Key.h> and <Keypad.h>: Include libraries for keypad functionality.</blockquote><div><div style="line-height: 19px; white-space: pre;">
<div>int check;</div><div>
</div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div><div style="line-height: 19px; white-space: pre;"><div style="text-align: left;">Mendeklarasikan variabel <code style="border-radius: 6px; line-height: 1.25rem; padding: 1px 6px; white-space: normal;">check</code> untuk menyimpan informasi status.</div></div></div></blockquote><div><div style="line-height: 19px; white-space: pre;">
<div>const byte rows = 4</div><div>const byte cols =


```
<span>3</span>;</span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;"><br /></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div><div style="line-height: 19px; white-space: pre;"><div style="text-align: left;"><span style="background-color: black; white-space: normal;"><span style="color: white; font-family: inherit;">Mendefinisikan jumlah baris dan kolom pada keypad.</span></span></div></div></div></blockquote><p><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span style="white-space: pre;">char</span><span style="white-space: pre;"> </span><span style="white-space: pre;">key</span><span style="white-space: pre;">[rows][cols] =</span></span></p><div><div style="line-height: 19px; white-space: pre;"><div><span style="background-color: black; color: #ffa400; font-family: inherit;"><span></span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span></span>'1', '2', '3'</span></span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span></span>'4', '5', '6'</span></span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span></span>'7', '8', '9'</span></span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span></span>*, '0', '#'</span></span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;"><span></span></span></div></div></div><span style="background-color: black; font-family: inherit;"><br /></span><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><span style="font-family: inherit;"><span style="background-color: black; color: white;">Definisi matriks 4x3 yang berisi karakter-karakter yang merepresentasikan tombol-tombol pada keypad.</span></span></blockquote><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;"><div style="line-height: 19px; white-space: pre;"><div style="text-align: left;"><span style="background-color: black; text-wrap: wrap;"><span style="color: #ffa400; font-family: inherit;"></span></span></div></div></blockquote><p><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span style="white-space: pre;">byte </span><span style="white-space: pre;">rowpins</span><span style="white-space: pre;">[rows] = </span><span style="white-space: pre;"><span></span><span style="white-space: pre;">0</span><span style="white-space: pre;">, </span><span style="white-space: pre;">1</span><span style="white-space: pre;"><span></span><span style="white-space: pre;">, </span><span style="white-space: pre;">2</span><span style="white-space: pre;"><span></span><span style="white-space: pre;">3</span><span style="white-space: pre;"><span></span><span style="white-space: pre;">4</span><span style="white-space: pre;">, </span><span style="white-space: pre;">5</span><span style="white-space: pre;"><span></span><span style="white-space: pre;">6</span><span style="white-space: pre;"><span></span></span></span></div><div><span style="background-color: black; color: #ffa400; font-family: inherit;"><br /></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><span style="background-color: black; color: white; font-family: inherit;">Array yang menentukan pin-pin Arduino yang terhubung ke baris dan kolom keypad.</span></blockquote><div><div style="line-height: 19px;"><span style="background-color: black; color: #ffa400; font-family: inherit; white-space: pre;"><br /></span><div style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">//Create an object of
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keypad</span></div><div style="white-space: pre;"><span style="background-color: black;
color: #ffa400; font-family: inherit;">Keypad keypad =
<span>Keypad</span><span></span>
<span>makeKeymap</span><span></span>key<span></span></span>, rowpins, colpins,
&nbsp;rows, cols <span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><br
/></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px;"><div><div style="line-height: 19px; text-align: justify;"><span
style="background-color: black; color: white;">Pembuatan objek Keypad dengan nama
keypad menggunakan matriks tombol yang telah didefinisikan dan konfigurasi
pin.</span></div></div></blockquote><p><span style="background-color:
black;">&nbsp;<span style="color: #ffa400; font-family: inherit; white-space:
pre;">const</span><span style="color: #ffa400; font-family: inherit; white-space: pre;">
</span><span style="color: #ffa400; font-family: inherit; white-space: pre;">int</span><span
style="color: #ffa400; font-family: inherit; white-space: pre;"> pinVib =
A0;</span></span></p><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px;"><p style="text-align: left;"><span face="&quot;Google Sans&quot;,
&quot;Helvetica Neue&quot;, sans-serif" style="background-color: black; font-size:
16px;"><span style="color: white;">Mendefinisikan pin A0 untuk sensor
getaran.</span></span></p></blockquote><p><span style="background-color:
black;"><span style="color: #ffa400; font-family: inherit; white-space:
pre;">const</span><span style="color: #ffa400; font-family: inherit; white-space: pre;">
</span><span style="color: #ffa400; font-family: inherit; white-space: pre;">int</span><span
style="color: #ffa400; font-family: inherit; white-space: pre;"> pinPIR =
A1;</span></span></p><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px;"><p style="text-align: left;"><span face="&quot;Google Sans&quot;,
&quot;Helvetica Neue&quot;, sans-serif" style="background-color: black; font-size:
16px;"><span style="color: white;">Mendefinisikan pin A1 untuk sensor
PIR.</span></span></p></blockquote><div><div style="line-height: 19px;"><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"><span>const</span> <span>int</span> pinTouch =
A2;</span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px;"><div><div style="line-height: 19px;"><div style="text-align: left; white-space:
pre;"><span face="&quot;Google Sans&quot;, &quot;Helvetica Neue&quot;, sans-serif"
style="background-color: black; font-size: 16px; white-space: normal;"><span style="color:
white;">Mendefinisikan pin A2 untuk sensor
sentuhan.</span></span></div></div></div></blockquote><div><div style="line-height:
19px;"><span style="background-color: black; color: #ffa400; font-family: inherit;
white-space: pre;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>const</span>
<span>int</span> pinTertutup = A3;<span>
&nbsp;</span></span></div></div></div><blockquote style="border: none; margin: 0px 0px
0px 40px; padding: 0px;"><div><div style="line-height: 19px;"><div style="text-align: left;
white-space: pre;"><span face="&quot;Google Sans&quot;, &quot;Helvetica Neue&quot;,
sans-serif" style="background-color: black; font-size: 16px; white-space: normal;"><span
style="color: white;">Mendefinisikan pin A3 keluaran untuk motor menutup pintu
lift</span></span></div></div></div></blockquote><div><div style="line-height: 19px;"><div
style="white-space: pre;"><span face="&quot;Google Sans&quot;, &quot;Helvetica

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Neue", sans-serif" style="background-color: black; color: #1f1f1f; font-size: 16px;
white-space: normal;"/>  
</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>const</span>
<span>int</span> pinTerbuka = A4;<span>
 </span></span></div></div></div><blockquote style="border: none; margin: 0px 0px
0px 40px; padding: 0px;"><div><div style="line-height: 19px;"><div style="white-space:
pre;"><div style="text-align: left;"><span face="&quot;Google Sans&quot;, &quot;Helvetica
Neue&quot;, sans-serif" style="background-color: black; font-size: 16px; white-space:
normal;"><span style="color: white;">Mendefinisikan pin A4 keluaran untuk motor menutup
pintu lift</span></span></div></div></div></div></blockquote><div><div style="line-height:
19px;"><span style="background-color: black; color: #ffa400; font-family: inherit;
white-space: pre;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>const</span>
<span>int</span> sevenSegmentPins[] =<span>{</span><span><span>7</span></span>,
<span>8</span>, <span>9</span>, <span>10</span>, <span>11</span>,
<span>12</span>,
<span>13</span><span>}</span></span></div></div></div><blockquote style="border:
none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><span
style="background-color: black; color: white;">Array pin digital yang terhubung ke 7-segment
display.</span></blockquote><p><span style="background-color: black;">&nbsp;<span
style="color: #ffa400; font-family: inherit; white-space: pre;">void</span><span style="color:
#ffa400; font-family: inherit; white-space: pre;"> </span><span style="color: #ffa400;
font-family: inherit; white-space: pre;">setup</span><span style="color: #ffa400; font-family:
inherit; white-space: pre;">(</span><span style="color: #ffa400; font-family: inherit;
white-space: pre;">)</span><span style="color: #ffa400; font-family: inherit;
white-space: pre;"> </span><span style="color: #ffa400; font-family: inherit; white-space:
pre;">{</span></span></p><div><div style="line-height: 19px;"><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span>
<span>for</span> <span></span><span>int</span> i = <span>0</span>; i &lt;
<span>7</span>; i++<span></span> <span>{</span></span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp;<span> &nbsp;<span>
<span>pinMode</span><span></span><span>sevenSegmentPins</span>[i],
OUTPUT<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span>
<span>}</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span><br
/></span></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px
40px; padding: 0px;"><div><div style="line-height: 19px;"><div style="text-align:
justify;"><span style="background-color: black; color: white;">for yang digunakan untuk
mengatur mode pin pada tujuh pin digital yang terhubung ke 7-segment display. Loop ini
mengatur setiap pin pada mode OUTPUT, yang berarti pin tersebut akan digunakan sebagai
output digital untuk mengontrol 7-segment
display.</span></div></div></div></blockquote><p>&nbsp;</p><div><div style="line-height:
19px;"><div style="white-space: pre;"><span style="background-color: black; color: #ffa400;
font-family: inherit;">&nbsp;<span>pinMode</span><span></span>pinVib,
INPUT<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span>
<span>pinMode</span><span></span>pinPIR, INPUT<span></span></span></div><div

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style="white-space: pre; "><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; <span>pinMode</span><span></span>pinTouch,
INPUT<span></span></span></div><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;"><br
/></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px;"><div><div style="line-height: 19px; text-align: left;"><span
style="background-color: black; color: white;">pinVib, pinPIR, dan pinTouch, Semua pin ini
diatur ke mode INPUT</span></div></div></blockquote><div><div style="line-height:
19px;"><span style="background-color: black; font-family: inherit;"><span style="color:
white;"><br /></span></span><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>pinMode</span><span></span>pinTertutup,
OUTPUT<span></span></span></div><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>pinMode</span><span></span>pinTerbuka,
OUTPUT<span></span></span></div><br /></div></div><blockquote style="border: none;
margin: 0px 0px 0px 40px; padding: 0px;"><div><div style="line-height: 19px; text-align:
left;"><span style="background-color: black;"><span style="color: white;">dua pin digital
pinTertutup dan pinTerbuka diatur ke mode
OUTPUT</span></span></div></div></blockquote><div><div style="line-height:
19px;"><span style="background-color: black; font-family: inherit;"><br /></span><div
style="white-space: pre; "><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; // Set up row and column pins for keypad</span></div><div
style="white-space: pre; "><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; <span>for</span> <span></span><span>int</span> i = <span>0</span>; i
&lt; rows; i++<span></span><span>{</span></span></div><div style="white-space:
pre; "><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
&nbsp; <span>pinMode</span><span></span><span>rowpins</span>[i],
INPUT<span></span></span></div><span style="background-color: black; color: #ffa400;
font-family: inherit; white-space: pre; "><br /></span><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>}</span></span></div><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span><br
/></span></span></div><span style="background-color: black;"><span style="color:
white;">setiap pin pada baris keypad diatur menjadi INPUT.</span></span></div><div
style="line-height: 19px;"><span style="background-color: black; font-family: inherit;"><span
style="color: white;"><br /></span></span><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>for</span> <span></span><span>int</span> j = <span>0</span>; j &lt; cols;
j++<span></span><span>{</span></span></div><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp;
<span>pinMode</span><span></span><span>colpins</span>[j],
INPUT<span></span></span></div><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>}</span></span></div><div style="white-space: pre; "><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span><br
/></span></span></div></div></div></div><blockquote style="border: none; margin: 0px 0px 0px
40px; padding: 0px;"><div><div style="line-height: 19px; text-align: left;"><span

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style="background-color: black; color: white;"/>mengatur mode pin pada kolom keypad
menjadi INPUT</span></div></blockquote><div><div style="line-height: 19px;"><div
style="white-space: pre;"><span face="Söhne, ui-sans-serif, system-ui, -apple-system,
&quot;Segoe UI&quot;, Roboto, Ubuntu, Cantarell, &quot;Noto Sans&quot;, sans-serif,
&quot;Helvetica Neue&quot;, Arial, &quot;Apple Color Emoji&quot;, &quot;Segoe UI
Emoji&quot;, &quot;Segoe UI Symbol&quot;, &quot;Noto Color Emoji&quot;" style="color:
#374151; font-size: 16px; text-wrap: wrap;"><br /></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>Serial</span>. <span>begin</span><span>( </span><span>9600</span><span>)</s
pan>;</span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px; text-align: left;"><span style="background-color: black;"><span style="color:
white;"> inialisasi komunikasi serial dengan kecepatan 9600
baud.</span></span></blockquote><div><div style="line-height: 19px;"><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"></span></div><span style="background-color: black; color: #ffa400; font-family:
inherit; white-space: pre;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>void</span>
<span>zero</span><span>()</span> <span>{</span></span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; <span>digitalWrite</span><span>( </span><span>7</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; <span>
digitalWrite</span><span>( </span><span>8</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; <span>
digitalWrite</span><span>( </span><span>9</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; <span>
digitalWrite</span><span>( </span><span>10</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; <span>
digitalWrite</span><span>( </span><span>11</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; <span>
digitalWrite</span><span>( </span><span>12</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; <span>
digitalWrite</span><span>( </span><span>13</span>, LOW<span>)</span></span>
&nbsp; // 0</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"></span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"><br /></span></div></div></div><blockquote style="border: none; margin: 0px 0px
0px 40px; padding: 0px; text-align: left;"><div><div style="line-height: 19px;"><span
style="background-color: black;"><span style="color: white;">Menetapkan pin 7-12 menjadi
HIGH (tinggi) dan pin 13 menjadi LOW (rendah).</span></span></div></div><div><div
style="line-height: 19px;"><span style="background-color: black;"><span style="color:
white;">Ini mewakili konfigurasi untuk menampilkan angka "0" pada 7-segment
display.</span></span></div></div></blockquote><p>&nbsp;</p><div><div
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style="line-height: 19px;"><div style="white-space: pre;"><span style="background-color:
black; color: #ffa400; font-family: inherit;"><span>void</span>
<span>one</span><span>(</span><span>{</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>7</span>
,
LOW<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>8</span>
,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>9</span>
,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>10</span>
,
LOW<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>11</span>
,
LOW<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>12</span>
,
LOW<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>13</span>
, LOW<span>)</span></span>
&nbsp; // 1</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family:
inherit;"></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px
40px; padding: 0px; text-align: left;"><div><div style="line-height: 19px;"><span
style="background-color: black;"><span style="color: white;"><br
/></span></span></div></div><div><div style="line-height: 19px;"><span
style="background-color: black;"><span style="color: white;">Menetapkan pin 8-12 menjadi
LOW dan pin 7 menjadi HIGH.</span></span></div></div><div><div style="line-height:
19px;"><span style="background-color: black;"><span style="color: white;">Ini mewakili
konfigurasi untuk menampilkan angka "1" pada 7-segment
display.</span></span></div></div></blockquote><div><div style="line-height:
19px;"><span style="background-color: black;"></span></div><div style="line-height:
19px;"><span style="background-color: black; font-family: inherit;"><br /></span><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"><span>void</span> <span>two</span><span>(</span><span>)</span>
<span>{</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>7</span>
,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>8</span>
,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span>9</span>
,
LOW<span>)</span></span></div><div style="white-space: pre;"><span
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style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp;
<span>digitalWrite</span><span></span><span>10</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>11</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>12</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>13</span>,
HIGH<span></span></span><span> &nbsp; // 2</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"></span></div><div style="white-space: pre;"><span style="background-color:
black; color: #ffa400; font-family: inherit;"><br /></span></div></div></div><blockquote
style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div
style="line-height: 19px;"><span style="background-color: black; color: white;">Menetapkan
pin 7, 8, 10, 11, dan 13 menjadi HIGH, sedangkan pin 9 dan 12 menjadi
LOW.</span></div></div><div><div style="line-height: 19px;"><span
style="background-color: black; color: white;">Ini mewakili konfigurasi untuk menampilkan
angka "2" pada 7-segment display.</span></div></div></blockquote><div><div
style="line-height: 19px;"><span style="background-color: black; font-family: inherit;"><span
style="color: white;"><br /></span></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>void</span>
<span>three</span><span>(</span></span> <span>{</span></span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; <span>digitalWrite</span><span></span><span>7</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>8</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>9</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>10</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>11</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>12</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>13</span>,
HIGH<span></span></span><span> &nbsp; // 3</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"></span></div><span style="background-color: black; color: #ffa400; font-family:
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inherit; white-space: pre; "><div style="line-height: 19px;"><span style="background-color:
black; color: #ffa400; font-family: inherit; white-space: pre;"><br
/></span></div></span></div></div><blockquote style="border: none; margin: 0px 0px 0px
40px; padding: 0px; text-align: left;"><div><div style="line-height: 19px;"><span
style="background-color: black; color: white;">Menetapkan pin 7-9, 10, dan 13 menjadi
HIGH, sedangkan pin 11 dan 12 menjadi LOW.</span></div></div><div><div
style="line-height: 19px;"><span style="background-color: black; color: white;">Ini mewakili
konfigurasi untuk menampilkan angka "3" pada 7-segment
display.</span></div></div></blockquote><div><div style="line-height: 19px;"><span
style="color: white;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>void</span>
<span>four</span><span>(</span><span>)</span> <span>{</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>7</span></span>,
LOW<span></span>)</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>8</span></span>,
HIGH<span></span>)</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>9</span></span>,
HIGH<span></span>)</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>10</span></span>,
LOW<span></span>)</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>11</span></span>,
LOW<span></span>)</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>12</span></span>,
HIGH<span></span>)</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span>(</span><span><span>13</span></span>,
HIGH<span></span>)</span> &nbsp; // 4</span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">}</span></div><div style="white-space: pre;"><span style="background-color:
black; color: #ffa400; font-family: inherit;"><br /></span></div></div></div><blockquote
style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div
style="line-height: 19px;"><span style="background-color: black;"><span style="color:
white;">Menetapkan pin 8, 9, 12, dan 13 menjadi HIGH, sedangkan pin 7, 10, dan 11
menjadi LOW.</span></span></div></div><div><div style="line-height: 19px;"><span
style="background-color: black;"><span style="color: white;">Ini mewakili konfigurasi untuk
menampilkan angka "4" pada 7-segment
display.</span></span></div></div></blockquote><div><div style="line-height:
19px;"><span style="background-color: black;"></span></div><div style="line-height:
19px;"><span style="background-color: black; font-family: inherit;"><span style="color:
white;"><br /></span></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span>void</span>
<span>five</span><span>(</span><span>)</span> <span>{</span></span></div><div style="white-space:
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pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>7</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>8</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>9</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>10</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>11</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>12</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>13</span>,
HIGH<span></span></span> &nbsp; // 5</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"></span></div><div style="white-space: pre;"><span style="background-color:
black; color: #ffa400; font-family: inherit;"><br /></span></div></div></div><blockquote
style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div
style="line-height: 19px; text-align: justify;"><span style="background-color: black; color:
white;">Menetapkan pin 7, 9, 10, 11, dan 12 menjadi HIGH, sedangkan pin 8 dan 13
menjadi LOW.</span></div></div><div><div style="line-height: 19px; text-align:
justify;"><span style="background-color: black; color: white;">Ini mewakili konfigurasi untuk
menampilkan angka "5" pada 7-segment
display.</span></div></div></blockquote><p>&nbsp;</p><div><div style="line-height:
19px;"><div style="white-space: pre;"><span style="background-color: black; color: #ffa400;
font-family: inherit;"><span>void</span> <span>six</span><span>(</span>
<span>{</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>7</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>8</span>,
LOW<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>9</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>10</span>,
HIGH<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>digitalWrite</span><span></span><span>11</span>,

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HIGH</div><div style="white-space: pre;"> digitalWrite12, HIGH</div><div style="white-space: pre;"> digitalWrite13, HIGH // 6</div><div style="white-space: pre;">
</div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div style="line-height: 19px;">Menetapkan pin 7 dan 12-13 menjadi HIGH, sedangkan pin 8-11 menjadi LOW.</div></div><div><div style="line-height: 19px;">Ini mewakili konfigurasi untuk menampilkan angka "6" pada 7-segment display.</div></div></blockquote><p> </p><div><div style="line-height: 19px;"><div style="white-space: pre;">void seven({</div><div style="white-space: pre;"> digitalWrite7, HIGH</div><div style="white-space: pre;"> digitalWrite8, HIGH</div><div style="white-space: pre;"> digitalWrite9, HIGH</div><div style="white-space: pre;"> digitalWrite10, LOW</div><div style="white-space: pre;"> digitalWrite11, LOW</div><div style="white-space: pre;"> digitalWrite12, LOW</div><div style="white-space: pre;"> digitalWrite13, LOW // 7</div><div style="white-space: pre;">
</div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div style="line-height: 19px;">Menetapkan pin 7-9 menjadi HIGH, sedangkan pin 10-13 menjadi LOW.</div></div><div><div style="line-height: 19px;">Ini mewakili konfigurasi untuk

menampilkan angka "7" pada 7-segment

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display.</span></div></div></blockquote><p>&nbsp;</p><div><div style="line-height:
19px;"><div style="white-space: pre;"><span style="background-color: black; color: #ffa400;
font-family: inherit;"><span>void</span> <span>eight</span><span>()</span>
<span>{</span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>7</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>8</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>9</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>10</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>11</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>12</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>13</span>,
HIGH<span>)</span></span><span> &nbsp;<span> // 8</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;"></span></div><div style="white-space: pre;"><span style="background-color:
black; color: #ffa400; font-family: inherit;"><br /></span></div></div></div><blockquote
style="border: none; margin: 0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div
style="line-height: 19px;"><span style="background-color: black; color: white;">Menetapkan
semua pin (7-13) menjadi HIGH.</span></div></div><div><div style="line-height:
19px;"><span style="background-color: black; color: white;">Ini mewakili konfigurasi untuk
menampilkan angka "8" pada 7-segment
display.</span></div></div></blockquote><p>&nbsp;</p><div><div style="line-height:
19px;"><div style="white-space: pre;"><span style="background-color: black; color: #ffa400;
font-family: inherit;"><span>void</span> <span>nine</span><span>()</span>
<span>{</span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>7</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>8</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
<span>digitalWrite</span><span>(</span><span>9</span>,
HIGH<span>)</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;<span
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style="background-color: black; color: #ffa400; font-family: inherit;"/><br
/></span></span></div></div></div></div><blockquote style="border: none; margin: 0px 0px
0px 40px; padding: 0px;"><div><div><div style="line-height: 19px; text-align: left;"><span
style="background-color: black; color: white;">Jika tombol yang ditekan adalah tanda pagar
(#), maka fungsi zero() akan dipanggil untuk menampilkan angka "0" pada 7-segment
display. Selanjutnya, variabel check diatur menjadi
0.</span></div></div></div></blockquote><div><div style="line-height: 19px;"><span
style="background-color: black; font-family: inherit;"><span style="color: white;"><br
/></span></span><div style="white-space: pre;"><span style="background-color: black;
color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp; <span>if</span>
<span></span></span></div><div style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; &nbsp; &nbsp; <span>zero</span><span></span></span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; &nbsp; &nbsp; check = <span>1</span>;</span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; &nbsp; <span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><span><br
/></span></span></div></div></div></div><blockquote style="border: none; margin: 0px 0px 0px
40px; padding: 0px;"><div><div style="line-height: 19px; text-align: justify;"><span
style="background-color: black; color: white;">Jika tombol yang ditekan adalah angka "0",
maka juga fungsi zero() akan dipanggil, dan variabel check diatur menjadi
1.</span></div></div></blockquote><p>&nbsp;</p><div><div style="line-height: 19px;"><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit;">&nbsp; &nbsp; <span>if</span> <span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp; &nbsp;
<span>one</span><span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp; &nbsp;
check = <span>1</span>;</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp;
<span></span></span></div><span style="background-color: black; color: #ffa400;
font-family: inherit; white-space: pre;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp;
<span>if</span> <span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp; &nbsp;
<span>two</span><span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp; &nbsp;
check = <span>1</span>;</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp;
<span></span></span></div><span style="background-color: black; color: #ffa400;
font-family: inherit; white-space: pre;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp;
<span>if</span> <span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp; &nbsp; &nbsp;
<span>three</span><span></span></span></div><div style="white-space: pre;"><span

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style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
<span>eight</span><span>(</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
check = <span>1</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
<span></span></span></div><span style="background-color: black; color: #ffa400;
font-family: inherit; white-space: pre;"><br /></span><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
<span>if</span> <span></span><span>keyPressed == '9</span></span></span>
<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
<span>nine</span><span>(</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
check = <span>1</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
<span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
</span></div><div style="white-space: pre;"><span style="background-color: black; color:
#ffa400; font-family: inherit; "><br /></span></div></div></div><blockquote style="border:
none; margin: 0px 0px 0px 40px; padding: 0px;"><div><div style="line-height: 19px;
text-align: left;"><span style="background-color: black; color: white;">Seri if-statements yang
menghandle tombol angka 1 hingga 9. Jika salah satu tombol tersebut ditekan, fungsi yang
sesuai (misalnya, one() untuk angka 1) akan dipanggil dan variabel check diatur menjadi
1.</span></div></div></blockquote><div><div style="line-height: 19px;"><span
style="background-color: black; color: #ffa400; font-family: inherit; white-space: pre;"><br
/></span><div style="white-space: pre;"><span style="background-color: black; color:
#ffa400; font-family: inherit; ">&nbsp; &nbsp; // Cek kondisi A0, A1, A2</span></div><div
style="white-space: pre;"><span style="background-color: black; color: #ffa400; font-family:
inherit; ">&nbsp; &nbsp; &nbsp; <span>if</span>
<span></span><span>digitalRead</span><span></span><span>pinVib</span></span></span> == HIGH
|| <span>digitalRead</span><span></span><span>pinPIR</span></span></span> == HIGH ||
<span>digitalRead</span><span></span><span>pinTouch</span></span></span> ==
HIGH</span></span></div></div></div><blockquote style="border: none; margin:
0px 0px 0px 40px; padding: 0px; text-align: left;"><div><div style="line-height: 19px;"><span
style="background-color: black; color: white;">digitalRead(pinVib) == HIGH: Mengecek
apakah sinyal pada pinVib (A0) berada pada (HIGH).</span></div></div><div><div
style="line-height: 19px;"><span style="background-color: black; color:
white;">digitalRead(pinPIR) == HIGH: Mengecek apakah sinyal pada pinPIR (A1) berada
pada (HIGH).</span></div></div><div><div style="line-height: 19px;"><span
style="background-color: black; color: white;">digitalRead(pinTouch) == HIGH: Mengecek
apakah sinyal pada pinTouch (A2) berada pada (HIGH).</span></div></div><div><div
style="line-height: 19px;"><span style="background-color: black; color: white;">Kondisi akan
terpenuhi jika setidaknya satu dari ketiga sensor tersebut mendeteksi keadaan yang
diinginkan (berlogika HIGH) </span></div></div></blockquote><div><div style="line-height:
19px;"><div style="white-space: pre;"><span style="background-color: black; color: #ffa400;
font-family: inherit;"><span></span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit; ">&nbsp; &nbsp; &nbsp;
<span>digitalWrite</span><span></span><span>pinTerbuka,

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HIGH<span>)/span>;</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp;
<span>digitalWrite</span><span>(</span>pinTertutup,
LOW<span>)/span>;</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;"><br
/></span></div></div></div><blockquote style="border: none; margin: 0px 0px 0px 40px;
padding: 0px;"><div><div style="line-height: 19px; text-align: left;"><span
style="background-color: black; color: white;">Jika kondisi terpenuhi (minimal satu sensor
memberikan sinyal HIGH), maka pinTerbuka akan diatur menjadi HIGH dan pinTertutup akan
diatur menjadi LOW</span></div></div></blockquote><div><div style="line-height:
19px;"><div style="white-space: pre;"><span style="background-color: black; color: #ffa400;
font-family: inherit;">&nbsp; <span>}</span></span></div><div style="white-space:
pre;"><span style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>else</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>{</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp;
<span>digitalWrite</span><span>(</span>pinTerbuka,
LOW<span>)/span>;</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp; &nbsp;
<span>digitalWrite</span><span>(</span>pinTertutup,
HIGH<span>)/span>);</span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>}</span></span></div><div style="white-space: pre;"><span
style="background-color: black; color: #ffa400; font-family: inherit;">&nbsp;
<span>}</span></span></div><span style="background-color: black; color: #4e5b61;
font-family: Consolas, &quot;Courier New&quot;, monospace; font-size: 14px; white-space:
pre;"><div style="line-height: 19px;"><span style="background-color: black; color: #4e5b61;
font-family: Consolas, &quot;Courier New&quot;, monospace; font-size: 14px; white-space:
pre;"><br /></span></div></span><span style="background-color: black; color: white;">Jika
kondisi tidak terpenuhi (tidak ada sensor yang memberikan sinyal HIGH), maka pinTerbuka
akan diatur menjadi LOW dan pinTertutup akan diatur menjadi HIGH.</span><span
style="background-color: black; color: #4e5b61; font-family: Consolas, &quot;Courier
New&quot;, monospace; font-size: 14px; white-space: pre;"><br /><br
/></span></div><blockquote style="border: none; margin: 0px 0px 0px 40px; padding: 0px;
text-align: left;"><span style="background-color: black; font-family: inherit; font-size:
medium;"><span style="color: white;"><a href="#home"></a></span><span style="color:
white;"><b>d. Video Simulasi</b><a name="video"></a><a href="#home">[Kembali]<br
/></a></span></span></blockquote><p><span style="background-color:
black;">&nbsp;</span></p><div class="separator" style="clear: both; text-align:
center;"><span style="background-color: black;"><object class="BLOG_video_class"
contentid="21dd468390c05ba8" height="266" id="BLOG_video-21dd468390c05ba8"
width="320"></object></span></div><span style="background-color: black;"><br
/></span><p></p><blockquote style="border: none; margin: 0px 0px 0px 40px; padding:
0px; text-align: left;"><span style="background-color: black; font-family: inherit; font-size:
medium;"><span style="color: white;"><a href="#home"></a></span><span style="color:
white;"><b>e. Download File</b><a name="download"></a><a
href="#home">[Kembali]</a></span></span></blockquote><ul style="color: white;
```


font-family: times; line-height: 1.4; margin: 0.5em 0px; padding: 0px 2.5em; text-align: left;"><li style="margin: 0px 0px 0.25em; padding: 0px;">File HTML klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">File Rangkaian Proteus klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Code Arduino klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Video Prinsip Kerja Rangkaian klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Datasheet Arduino Uno klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Datasheet Keypad 4x3 klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Datasheet Vibration Sensor klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Datasheet PIR Sensor klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Datasheet Touch Sensor klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Datasheet Seven Segmen Comon Cathode klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Library Arduino Uno klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Library Vibration Sensor <a href="https://drive.google.com/uc?export=download&id=1HulAQ-M-EzkM5HxoyTUdSu

PRc7KRhG5_" style="text-decoration-line: none;">klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Library PIR Sensor klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Library Touch Sensor klik disini<li style="margin: 0px 0px 0.25em; padding: 0px;">Library Keypad klik disini<ul type="A"></div>