

Front-End Development



# Bootstrap

Responsive Web Framework

# Bootstrap

- Bootstrap is a framework, designed to create responsive feature-rich websites much easier. To take advantage of its features framework, we have to write codes the way Bootstrap wants.
- Bootstrap features: fluid & fixed grid system, carousels, modals, drop-down menu, pop-ups, responsive sites, mobile friendly.
- More informations: <https://getbootstrap.com>

# Grid System

- Bootstrap comes with a 12 columns grid system. We can add our content into its 'rows' & 'columns' using Bootstrap's CSS classes.



# Containers

- **Containers** surround the whole section of rows & columns. Rows represent a horizontal line of elements, and columns represent the horizontal space that element take up in a row.
- **Fixed Container:** has a fixed width, which changes at certain breakpoints & has built-in padding of 15px all the way around.
- **Fluid Container:** has a fluid width, which stretches to 100% of it's parent element & has built-in padding of 15px all the way around.

- Insert CDN link (*Works Online*)  
<https://getbootstrap.com>

## Bootstrap CDN

The folks over at [MaxCDN](#) graciously provide CDN support for Bootstrap's CSS and JavaScript. Just use these [Bootstrap CDN](#) links.

```
<!-- Latest compiled and minified CSS -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"
integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<!-- Optional theme -->
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css"
integrity="sha384-rHyoN1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp" crossorigin="anonymous">

<!-- Latest compiled and minified JavaScript -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-
Tc5Iqib027qvyjSMfHjOMaLkfuwVxZxUPnCA712mCWNIpG9mGCD8wGNlcpPD7Txa" crossorigin="anonymous"></script>
```

## ■ Insert CDN link (*Works Online*)

<https://getbootstrap.com>

### <head>

```
<meta name="viewport" content="width=device-width,initial-scale=1">
```

```
<link  
rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css"  
integrity="sha384-BVYiISiFeK1dGmJRAkycuHAHRg320mUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u"  
crossorigin="anonymous">
```

```
<link rel="stylesheet"  
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap-theme.min.css"  
integrity="sha384-rHyoN1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp"  
crossorigin="anonymous">
```

### </head>

### <body>

```
<script  
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"  
integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA712mCWNIpG9mGCD8wGNICPD7Txa"  
crossorigin="anonymous"></script>
```

### </body>

## ■ Download locally (*Works Offline*).

*First, download Bootstrap then extract it. Insert its folders (css, js & fonts) to your project dir & link it to your HTML file.*

<head>

```
<link rel="stylesheet" type="text/css"
href="css/bootstrap.min.css">
```

```
<script type="text/javascript"
src="js/bootstrap.min.js"></script>
```

</head>

# Your 1<sup>st</sup> Bootstrap Code

```
<head>
```

```
<link rel="stylesheet" type="text/css"  
href="css/bootstrap.min.css">
```

```
<script type="text/javascript"  
src="js/bootstrap.min.js"></script>
```

```
</head>
```

```
<body>
```

```
    <button class="btn btn-success">Klik Ini  
    </button>
```

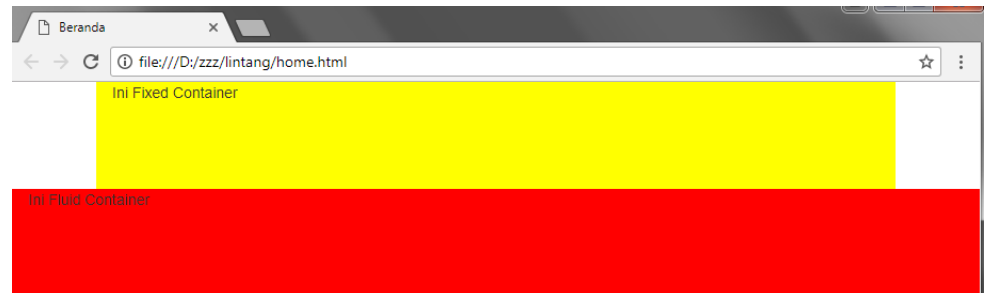
```
</body>
```



# Container

*It's a better way to insert your elements to a container.*

```
<head>
  <style>
    .container{
      background: yellow;
      height: 100px;
    }
    .container-fluid{
      background: red;
      height: 100px;
    }
  </style>
</head>
<body>
  <div class="container">Ini Fixed</div>
  <div class="container-fluid">Ini Fluid</div>
</body>
```



**xs** < 768px

Andi
Budi
Caca
Deni
Euis
Fafa

# Rows & Columns

**sm** < 992px

Andi	Budi
Caca	Deni
Euis	Fafa

**md** < 1200px

Andi	Budi	Caca
Deni	Euis	Fafa

**lg** >= 1200px

Andi	Budi	Caca	Deni	Euis	Fafa
------	------	------	------	------	------

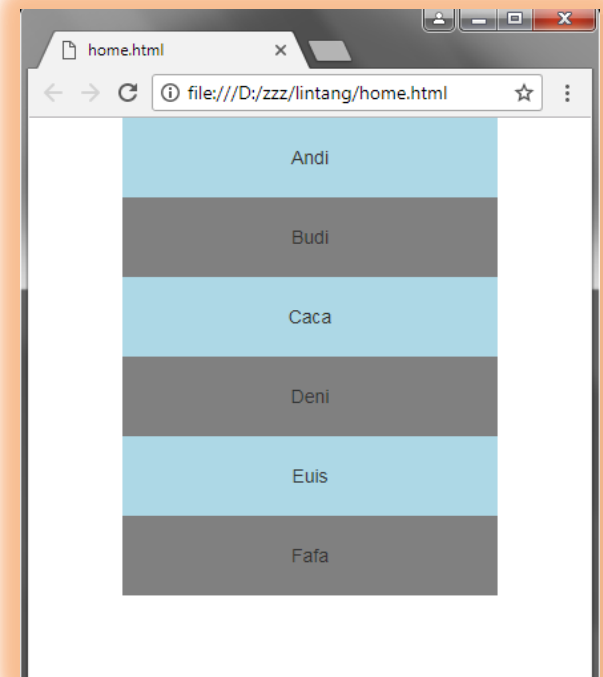
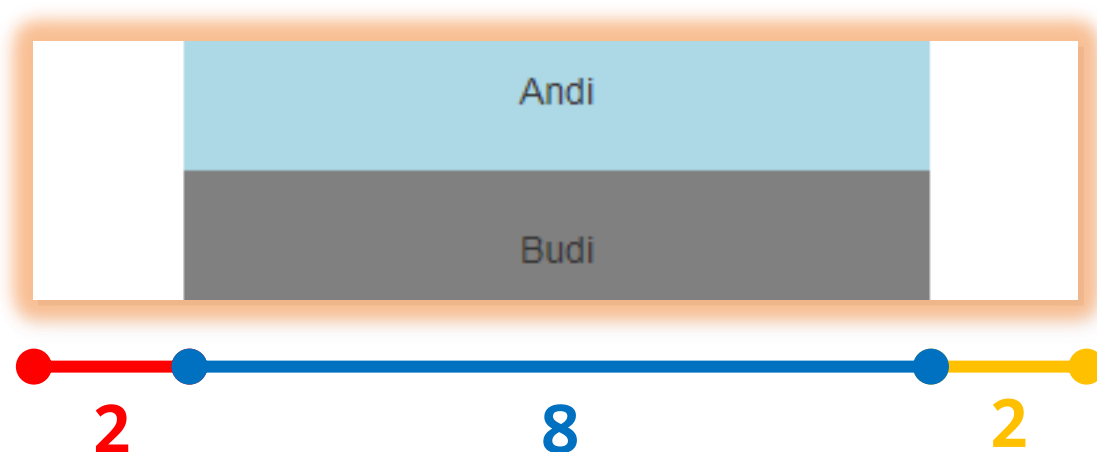
```
<head>
  <link rel="stylesheet" type="text/css"
    href="css/bootstrap.min.css">
  <script type="text/javascript" src="js/bootstrap.min.js">
  </script>
<style>
  .gaya{text-align:center; background:lightblue; padding:20px}
  .gaya:nth-last-child(odd){background: grey}
  .container-fluid{height: 200px}
</style>
</head>
```

## Rows & Columns

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Andi</div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Budi</div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Caca</div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Deni</div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Euis</div>
<div class="col-xs-12 col-sm-6 col-md-4 col-lg-2 gaya">Fafa</div>
</div>
</div>
</body>
```

# Offset Columns

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-offset-2 col-xs-8 gaya">Andi</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Budi</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Caca</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Deni</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Euis</div>
<div class="col-xs-offset-2 col-xs-8 gaya">Fafa</div>
</div>
</div>
</body>
```



# Push → Columns ← Pull

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-8 col-xs-push-4 gaya">Andi</div>
<div class="col-xs-4 col-xs-pull-8 gaya">Budi</div>
</div>
</div>
</body>
```

*Before pushing Andi 4 col & pulling Budi 8 col:*

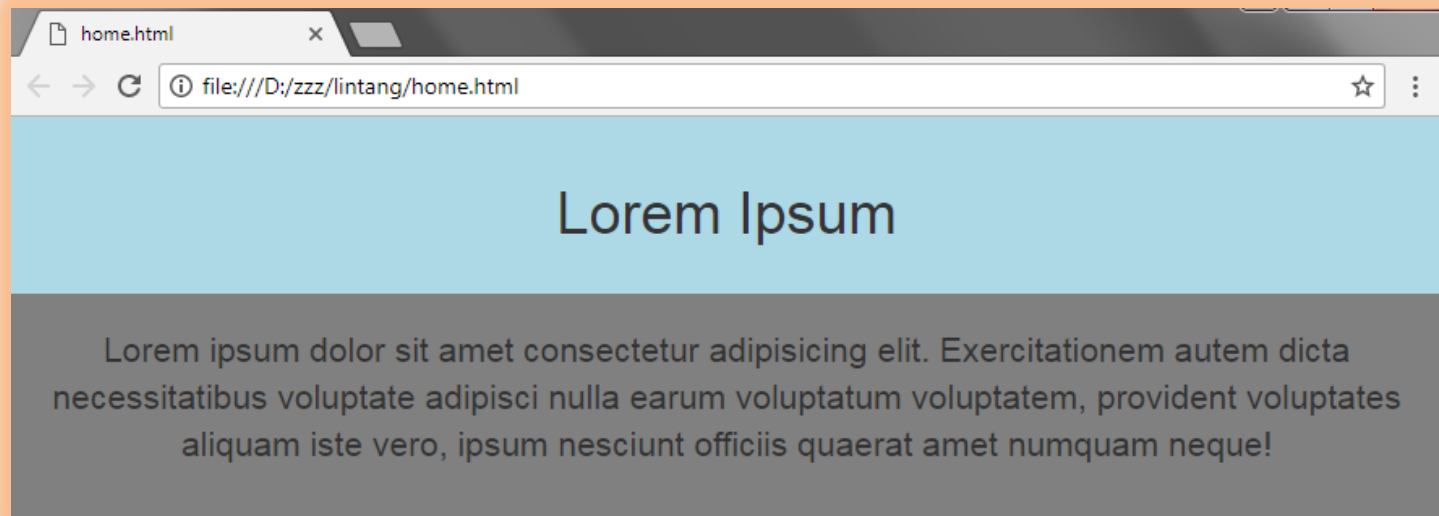


*After pushing Andi 4 col & pulling Budi 8 col:*



# Text Styles

```
<body>
<div class="container-fluid">
  <div class="row">
    <div class="col-xs-12 gaya">
      <p class="h1">Lorem Ipsum</p>
    </div>
    <div class="col-xs-12 gaya">
      <p class="lead">Lorem ipsum dolor sit</p>
    </div>
  </div>
</div>
</body>
```



# List Styles

```
<body>
<div class="container-fluid">
  <div class="row">
    <div class="col-xs-12 gaya">
      <p class="h1">Bootstrap List</p>
    </div>
    <div class="col-xs-12 gaya">
      <ul class="list-inline">
        <li><h3>Andi</h3></li>
        <li><h3>Budi</h3></li>
        <li><h3>Caca</h3></li>
      </ul>
    </div>
  </div>
</div>
</body>
```

*for <ul> & <ol> try:  
// list-unstyled  
// list-inline*

*for <dl> try:  
// dl-horizontal*

Bootstrap's List

Andi Budi Caca

# Tooltips

## Basic

```
<body>  
<div class="container" style="padding:50px">  
  <a href="#"  
    data-toggle="tooltip"  
    title="Cara mudah bikin website!"  
  ><h1> Klik link ini! </h1></a>  
</div>  
</body>
```

Klik link ini!

Cara mudah bikin website!



# Adding jQuery

**<head>**

```
<script src="js/jquery-3.3.1.min.js"></script>
```

```
<link rel="stylesheet" type="text/css" href="css/bootstrap.min.css">
```

```
<script type="text/javascript" src="js/bootstrap.min.js"></script>
```

**</head>**

## Add on <head>:

```
<script src="js/jquery-3.2.1.min.js">  
</script>
```

## On <body> type:

```
<body>  
<div class="container" style="padding:50px">  
  <a href="#"  
    data-toggle="tooltip"  
    data-placement="top"  
    title="Cara mudah bikin website!"  
  > Klik Link ini! </a>  
</div>  
<script>  
  $(function(){  
    $('[data-toggle="tooltip"]').tooltip();  
  });  
</script>  
</body>
```

# Tooltips

## Adding jQuery

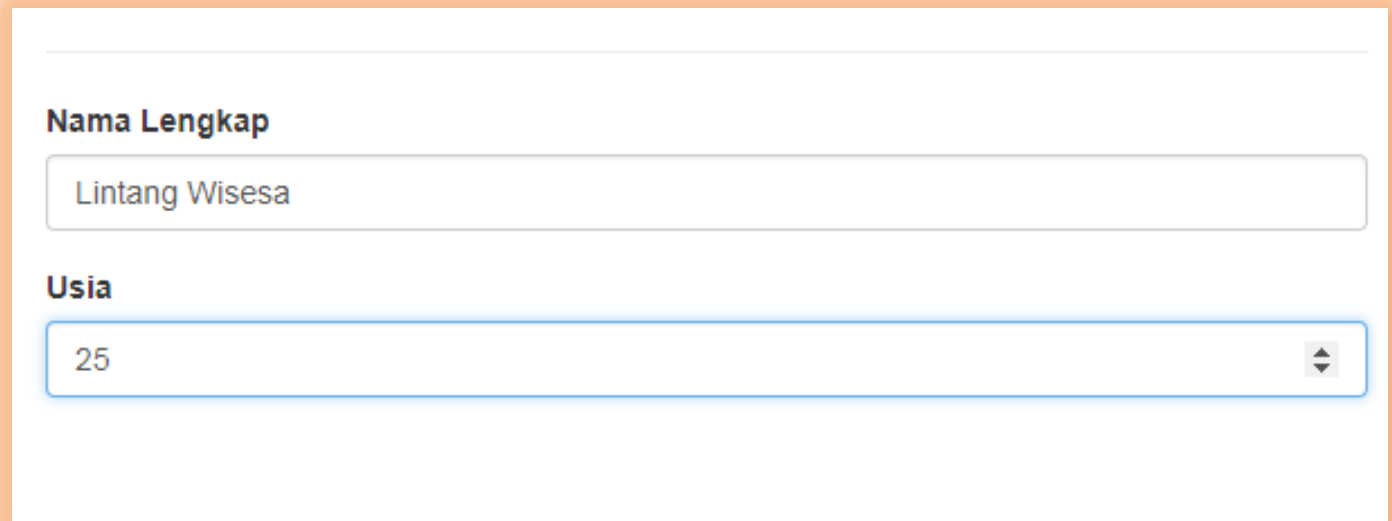
Cara mudah bikin website!

[Klik link ini!](#)

# Input

## Text & Number #1

```
<body>
<div class="container">
<hr>
<form>
  <div class="form-group">
    <label for="nama"> Nama Lengkap </label>
    <input class="form-control" type="text" id="nama">
  </div>
  <div class="form-group">
    <label for="usia"> Usia </label>
    <input class="form-control" type="number" id="usia">
  </div>
</form>
</div>
</body>
```

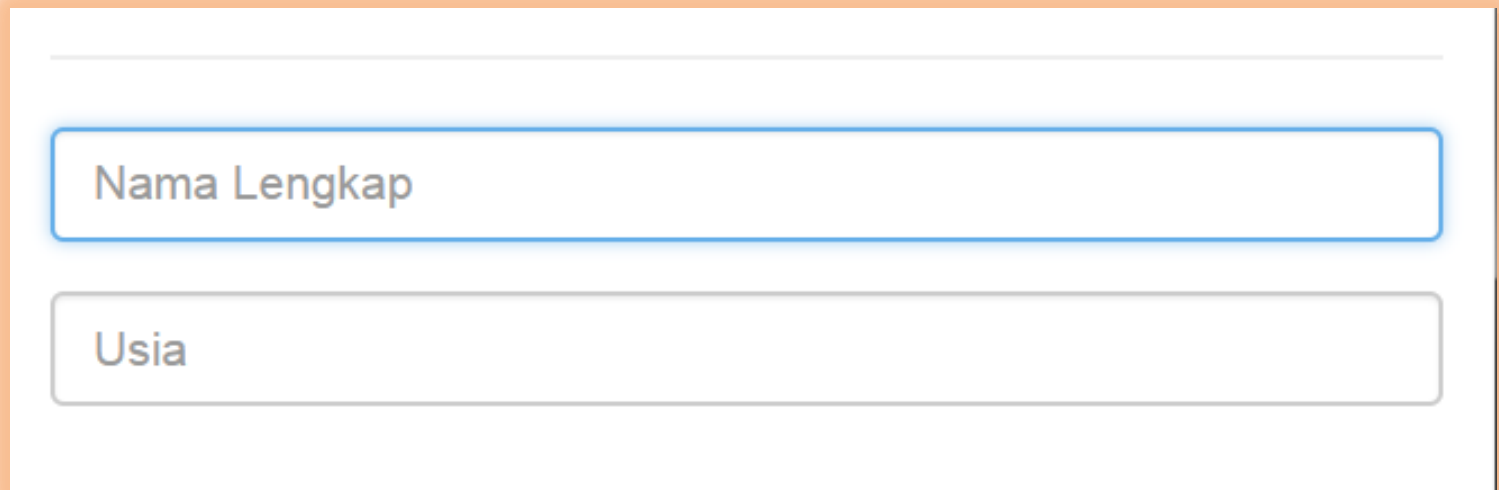


The image shows a rendered version of the HTML code. It features a form with two sections. The first section is titled 'Nama Lengkap' and has a text input field containing 'Lintang Wisesa'. The second section is titled 'Usia' and has a number input field containing '25'. The form is styled with a light blue border and a white background.

# Input

## *Text & Number #2*

```
<body>
<div class="container">
<hr>
<form>
  <div class="form-group">
    <input class="form-control" type="text" id="nama"
      placeholder="Nama Lengkap">
  </div>
  <div class="form-group">
    <input class="form-control" type="number" id="usia"
      placeholder="Usia">
  </div>
</form>
</div>
</body>
```



Nama Lengkap

Usia

# Input Checkbox

```
<body>
<div class="container">
<hr>
<form>
  <div class="form-group">
    <label class="checkbox-inline">
      <input type="checkbox">Hacker
    </label>
    <label class="checkbox-inline">
      <input type="checkbox">Hustler
    </label>
    <label class="checkbox-inline">
      <input type="checkbox">Hipster
    </label>
  </div>
</form>
</div>
</body>
```

☒ Hacker ☐ Hustler ☒ Hipster

# Input

## *Radio Button*

```
<body>
<div class="container">
<hr>
<form>
  <div class="form-group">
    <label class="radio-inline">
      <input type="radio" name="sex">Pria
    </label>
    <label class="radio-inline">
      <input type="radio" name="sex">Wanita
    </label>
  </div>
</form>
</div>
</body>
```

☒ Pria ☐ Wanita

# Button Style

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-12 gaya">
<p class="h1">Bootstrap Button #1</p>
</div>
<div class="col-xs-12 gaya">
<button class="btn btn-default">Default</button>
<button class="btn btn-primary">Primary</button>
<button class="btn btn-info">Info</button>
<button class="btn btn-warning">Warning</button>
<button class="btn btn-danger">Danger</button>
<button class="btn btn-success">Success</button>
</div>
</div>
</div>
</body>
```

Bootstrap Button #1

Default

Primary

Info

Warning

Danger

Success

# Button Size

```
<body>
<div class="container-fluid">
<div class="row">
<div class="col-xs-12 gaya">
<p class="h1">Bootstrap Button #2</p>
</div>
<div class="col-xs-12 gaya">
<button class="btn btn-xs">Ini XS</button>
<button class="btn btn-sm">Ini SM</button>
<button class="btn btn-md">Ini MD</button>
<button class="btn btn-lg">Ini LG</button>
<button class="btn active">Ini Aktif</button>
<button class="btn disabled">Ini Disabled</button>
</div>
</div>
</div>
</body>
```

## Bootstrap Button #2

Ini XS

Ini SM

Ini MD

Ini LG

Ini Aktif

Ini Disabled



# Image Responsive

```
<body>
<div class="container-fluid">
<div class="row">
  <div class="col-xs-4 gaya">
    
  </div>
  <div class="col-xs-4 gaya">
    
  </div>
  <div class="col-xs-4 gaya">
    
  </div>
</div>
</div>
</body>
```



# Image *Shape*

```
<div class="col-xs-4 gaya">  
    
</div>  
<div class="col-xs-4 gaya">  
    
</div>  
<div class="col-xs-4 gaya">  
    
</div>
```



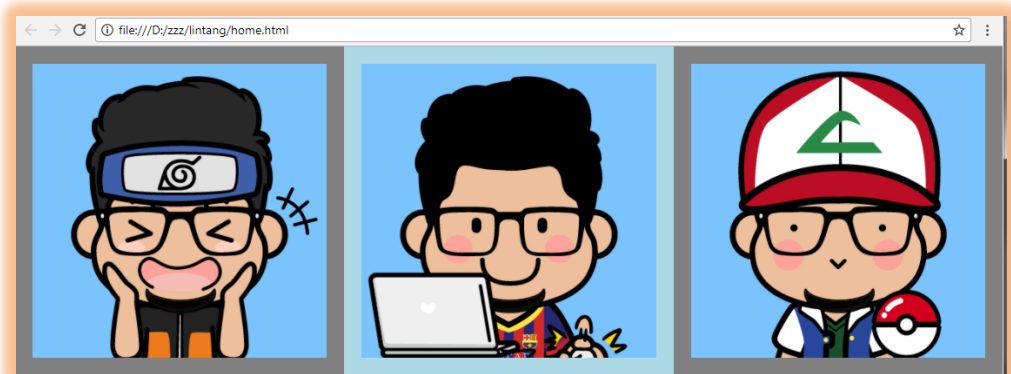
# Visibility

```
<body>
<div class="container-fluid">
  <div class="row">
    <div class="col-xs-4 hidden-xs gaya">
      
    </div>
    <div class="col-xs-4 visible-md gaya">
      
    </div>
    <div class="col-xs-4 gaya">
      
    </div>
  </div>
</div>
</body>
```

**xs**



**md**



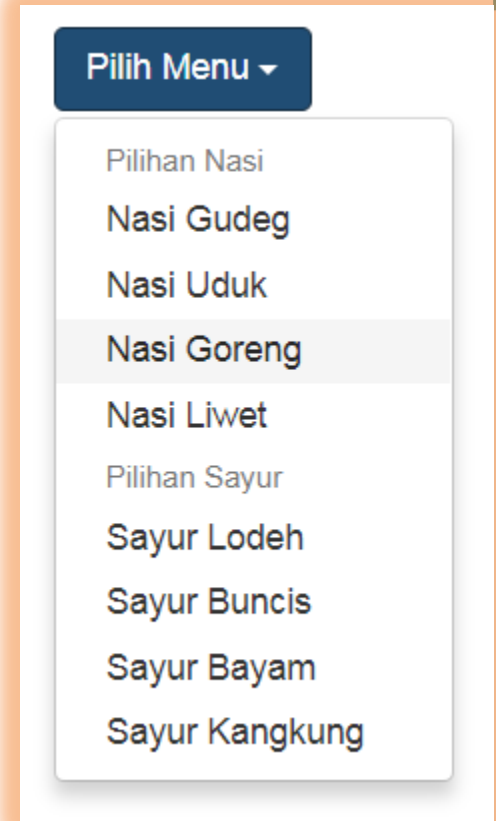
# Dropdown

```
<body>
<div class="container" style="padding:50px">
<div class="dropdown">
  <button class="btn btn-primary dropdown-toggle"
  data-toggle="dropdown">
Pilih Menu <div class="caret"></div>
</button>
<ul class="dropdown-menu">
  <li><a href="#">Beranda</a></li>
  <li><a href="#">Blog</a></li>
  <li><a href="#">Galeri</a></li>
  <li><a href="#">Tentang</a></li>
  <li><a href="#">Kontak</a></li>
</ul>
</div>
</div>
</body>
```



# Dropdown Header

```
<ul class="dropdown-menu">  
  
<li class="dropdown-header">Pilih Nasi</li>  
<li><a href="#">Nasi Gudeg</a></li>  
<li><a href="#">Nasi Uduk</a></li>  
<li><a href="#">Nasi Goreng</a></li>  
<li><a href="#">Nasi Liwet</a></li>  
  
<li class="dropdown-header">Pilih Sayur</li>  
<li><a href="#">Sayur Lodeh</a></li>  
<li><a href="#">Sayur Buncis</a></li>  
<li><a href="#">Sayur Bayam</a></li>  
<li><a href="#">Sayur Kangkung</a></li>  
  
</ul>
```



# Tabs & Pills

```
<body>
  <div class="container">
    <ul class="nav nav-pills nav-justified">
      <li><a href="#">Beranda</a></li>
      <li class="active"><a href="#">Blog</a></li>
      <li><a href="#">Galeri</a></li>
      <li><a href="#">Tentang</a></li>
      <li><a href="#">Kontak</a></li>
    </ul></div></div></body>
```

class="nav nav-pills nav-justified"

Beranda

Blog

Galeri

Tentang

Kontak

class="nav nav-tabs nav-justified"

Beranda

Blog

Galeri

Tentang

Kontak

# Tabs & Pills

## *Adding jQuery*

*Add on <head>:*

```
<script src="js/jquery-3.2.1.min.js"></script>
```

*Add on <body>:*

```
<script>
  $(".nav li").on("click", function(){
    $(".nav li").removeClass("active");
    $(this).addClass("active");
  });
</script>
```

***class="active" when clicked!***

[Beranda](#)

[Blog](#)

[Galeri](#)

[Tentang](#)

[Kontak](#)

# Navbar

```
<body>
<nav class="navbar navbar-default">
  <div class="container">
    <ul class="nav navbar-nav">
      <li><a href="#">Beranda</a></li>
      <li><a href="#">Blog</a></li>
      <li><a href="#">Galeri</a></li>
      <li><a href="#">Tentang</a></li>
      <li><a href="#">Kontak</a></li>
    </ul>
  </div>
</nav>
</body>
```

*“navbar-inverse”*  
*“navbar-fixed-top”*  
*“navbar-fixed-bottom”*

Beranda   Blog   Galeri   Tentang   Kontak



# Navbar Header

```
<body>
<nav class="navbar navbar-default">
  <div class="container">
    <div class="navbar-header">
      <a href="#" class="navbar-brand">
        
      </a>
    </div>
    <ul class="nav navbar-nav">
      <li><a href="#">Beranda</a></li>
    </ul>
  </div>
</nav>
</body>
```

[Beranda](#)[Blog](#)[Galeri](#)[Tentang](#)[Kontak](#)

# Navbar Button

[Beranda](#)[Blog](#)[Galeri](#)[Tentang](#)[Kontak](#)[DAFTAR](#)

```
<body>
<nav class="navbar navbar-default">
  <div class="container">
    <ul class="nav navbar-nav">
      <li><a href="#">Kontak</a></li>
    </ul>
```

```
      <button class="btn btn-primary navbar-btn
        navbar-right"> DAFTAR </button>
```

```
    </div>
  </nav>
</body>
```

# Navbar

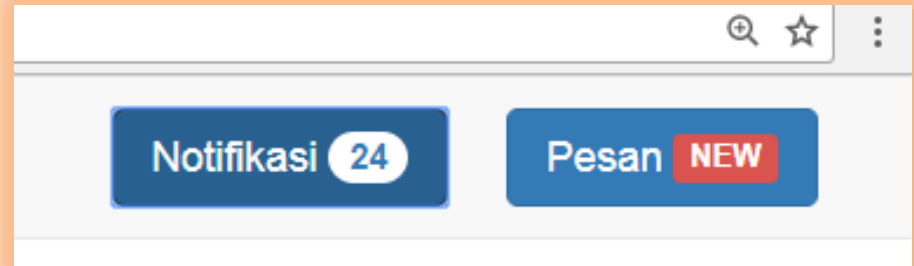
## *Badge & Label*

```
<body>
<nav class="navbar navbar-default">
  <div class="container">
    <ul class="nav navbar-nav">
      <li><a href="#">Beranda</a></li>
    </ul>
```

```
    <button class="btn btn-primary navbar-btn navbar-right"
      style="margin-top:10px">
      Pesan <span class="label label-danger">NEW</span>
    </button>
```

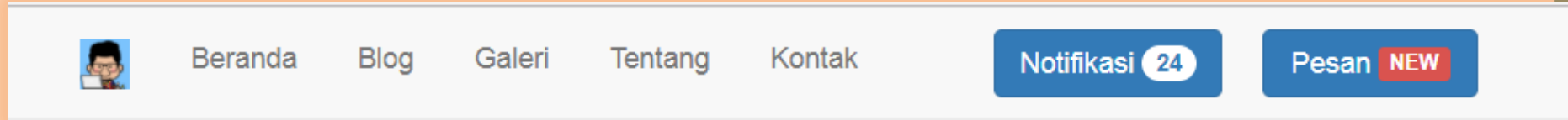
```
    <button class="btn btn-primary navbar-btn navbar-right"
      style="margin:10px">
      Notifikasi <span class="badge">24</span>
    </button>
```

```
</div>
</nav>
</body>
```

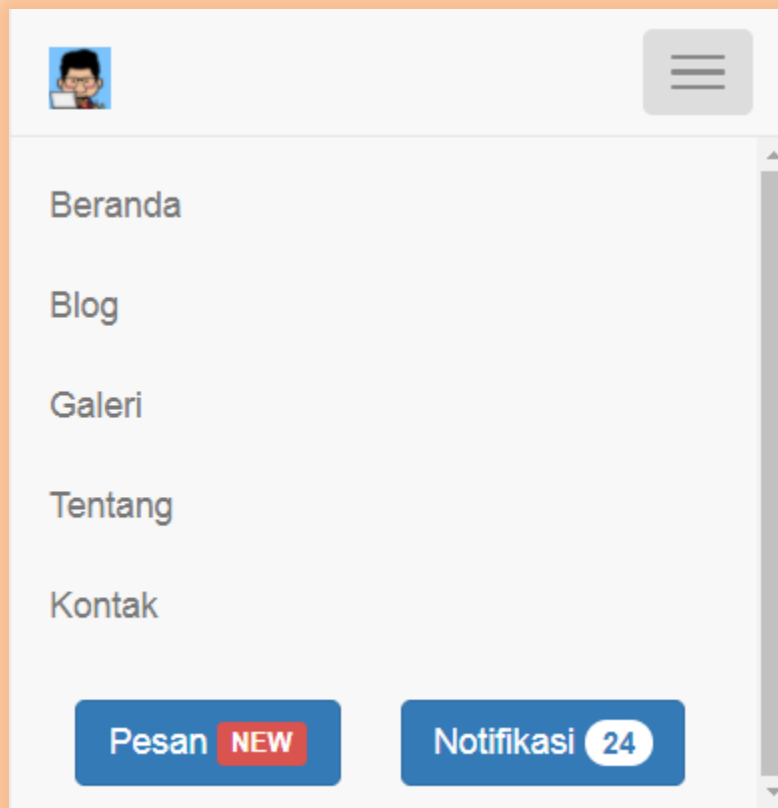


# Mobile Navbar

*On large screen browser:*



*On small screen browser:*



# Mobile Navbar #1

```
<body>
<nav class="navbar navbar-default">
<div class="container">
  <div class="navbar-header">
    <a href="#" class="navbar-brand">
      
    </a>
    <button class="navbar-toggle collapsed"
      data-toggle="collapse" data-target="#lintang">
      <span class="icon-bar"></span>
      <span class="icon-bar"></span>
      <span class="icon-bar"></span>
    </button>
  </div>

  <div class="collapse navbar-collapse"
    id="lintang">
```

# Mobile Navbar #2

```
<ul class="nav navbar-nav">  
  <li><a href="#">Beranda</a></li>  
  <li><a href="#">Blog</a></li>  
</ul>
```

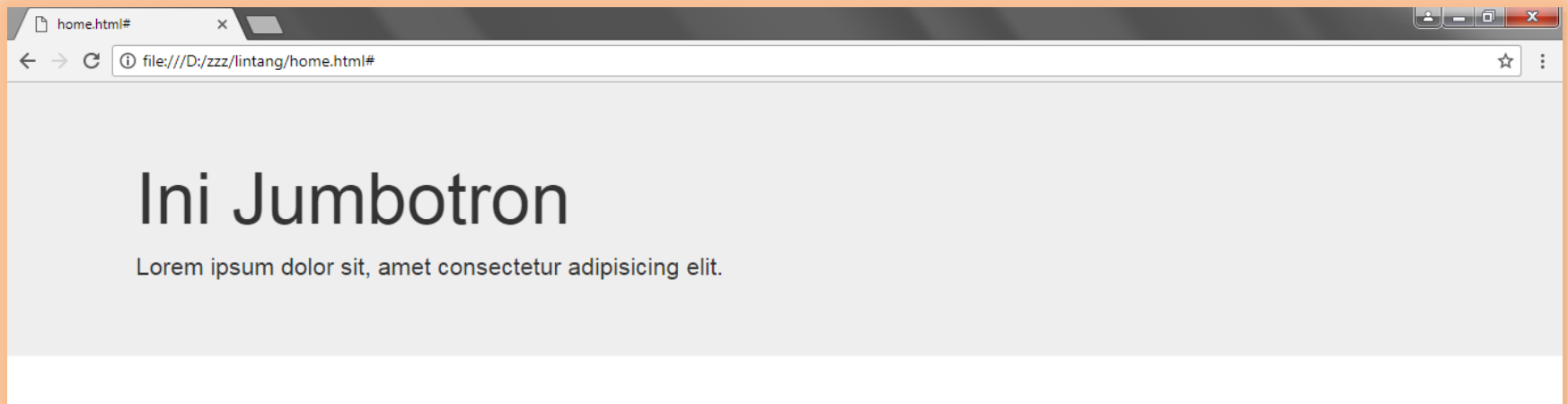
```
<button class="btn btn-primary navbar-btn  
navbar-right"  
style="margin:10px">  
Pesanan <span class="label label-danger">NEW</span>  
</button>
```

```
<button class="btn btn-primary navbar-btn  
navbar-right"  
style="margin:10px">  
Notifikasi <span class="badge">24</span>  
</button>
```

```
</div></div></nav></body>
```

# Jumbotron

```
<body>
  <div class="jumbotron">
    <div class="container">
      <h1>Ini Jumbotron</h1>
      <p>Lorem ipsum dolor sit.</p>
    </div>
  </div>
</body>
```

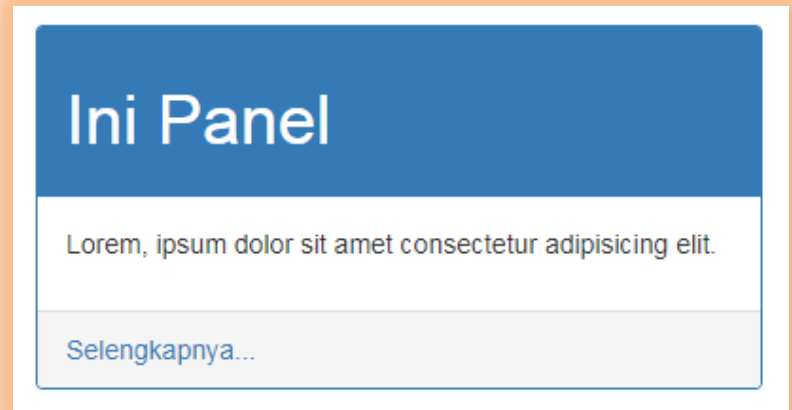


```

<body>
<div class="container" style="padding:100px">
  <div class="row">
    <div class="col-xs-12">
      <div class="panel panel-primary">
        <div class="panel-heading">
          <h1>Ini Panel</h1>
        </div>
        <div class="panel-body">
          <p>Lorem, ipsum dolor sit amet.</p>
        </div>
        <div class="panel-footer">
          <a href="#">Selengkapnya...</a>
        </div>
      </div>
    </div>
  </div>
</div>
</body>

```

# Panel





# Carousel

```
<body>
  <div class="carousel" id="iniCarousel"
    data-ride="carousel">
    <div class="carousel-inner">
      <div class="item active">
        
      </div>
      <div class="item">
        
      </div>
      <div class="item">
        
      </div>
    </div>
  </div>
</body>
```



# Carousel Slide

```
<body>
  <div class="carousel slide" id="iniCarousel"
    data-ride="carousel">
    <div class="carousel-inner">
      <div class="item active">
        
      </div>
      <div class="item">
        
      </div>
      <div class="item">
        
      </div>
    </div>
  </div>
</body>
```



← slide

# Carousel Caption

```
<body>
  <div class="carousel slide" id="iniCarousel"
    data-ride="carousel">
    <div class="carousel-inner">
      <div class="item active">
        
        <div class="carousel-caption">
          <h2> Halo Dunia! </h2>
        </div>
      </div>
      <div class="item">
        
      </div>
      <div class="item">
        
      </div>
    </div>
  </div></body>
```



# Carousel Control









































```
<body>
  <div class="carousel slide"
    id="iniCarousel"
    data-ride="carousel">
    <div class="carousel-inner">
      . . . . .
      <div class="item active">
        
      </div>
    </div>
    <a class="right carousel-control"
      href="#iniCarousel" data-slide="next">
      <span class="
        glyphicon glyphicon-chevron-right">
      </span>
    </a>
  </div></body>
```



*right - next*  
*left - prev*

# Glyphicon

<https://getbootstrap.com/docs/3.3/components/>

 glyphicon glyphicon-sound-5-1	 glyphicon glyphicon-sound-6-1	 glyphicon glyphicon-sound-7-1	 glyphicon glyphicon-copyright-mark	 glyphicon glyphicon-registration-mark	 glyphicon glyphicon-cloud-download	 glyphicon glyphicon-cloud-upload	 glyphicon glyphicon-tree-conifer
 glyphicon glyphicon-tree-deciduous	 glyphicon glyphicon-cd	 glyphicon glyphicon-save-file	 glyphicon glyphicon-open-file	 glyphicon glyphicon-level-up	 glyphicon glyphicon-copy	 glyphicon glyphicon-paste	 glyphicon glyphicon-alert
 glyphicon glyphicon-equalizer	 glyphicon glyphicon-king	 glyphicon glyphicon-queen	 glyphicon glyphicon-pawn	 glyphicon glyphicon-bishop	 glyphicon glyphicon-knight	 glyphicon glyphicon-baby-formula	 glyphicon glyphicon-tent
 glyphicon glyphicon-blackboard	 glyphicon glyphicon-bed	 glyphicon glyphicon-apple	 glyphicon glyphicon-erase	 glyphicon glyphicon-hourglass	 glyphicon glyphicon-lamp	 glyphicon glyphicon-duplicate	 glyphicon glyphicon-piggy-bank
 glyphicon glyphicon-scissors	 glyphicon glyphicon-bitcoin	 glyphicon glyphicon-btc	 glyphicon glyphicon-xbt	 glyphicon glyphicon-yen	 glyphicon glyphicon-jpy	 glyphicon glyphicon-ruble	 glyphicon glyphicon-rub

# Carousel Indicator

```
<body>
  <div class="carousel slide"
    id="iniCarousel"
    data-ride="carousel">

    <ol class="carousel-indicators">
      <li data-target="#iniCarousel"
        data-slide-to="0" class="active"></li>
      <li data-target="#iniCarousel"
        data-slide-to="1"></li>
      <li data-target="#iniCarousel"
        data-slide-to="2"></li>
    </ol>

    <div class="carousel-inner">
      // // // // // // // // // //
    </div></body>
```

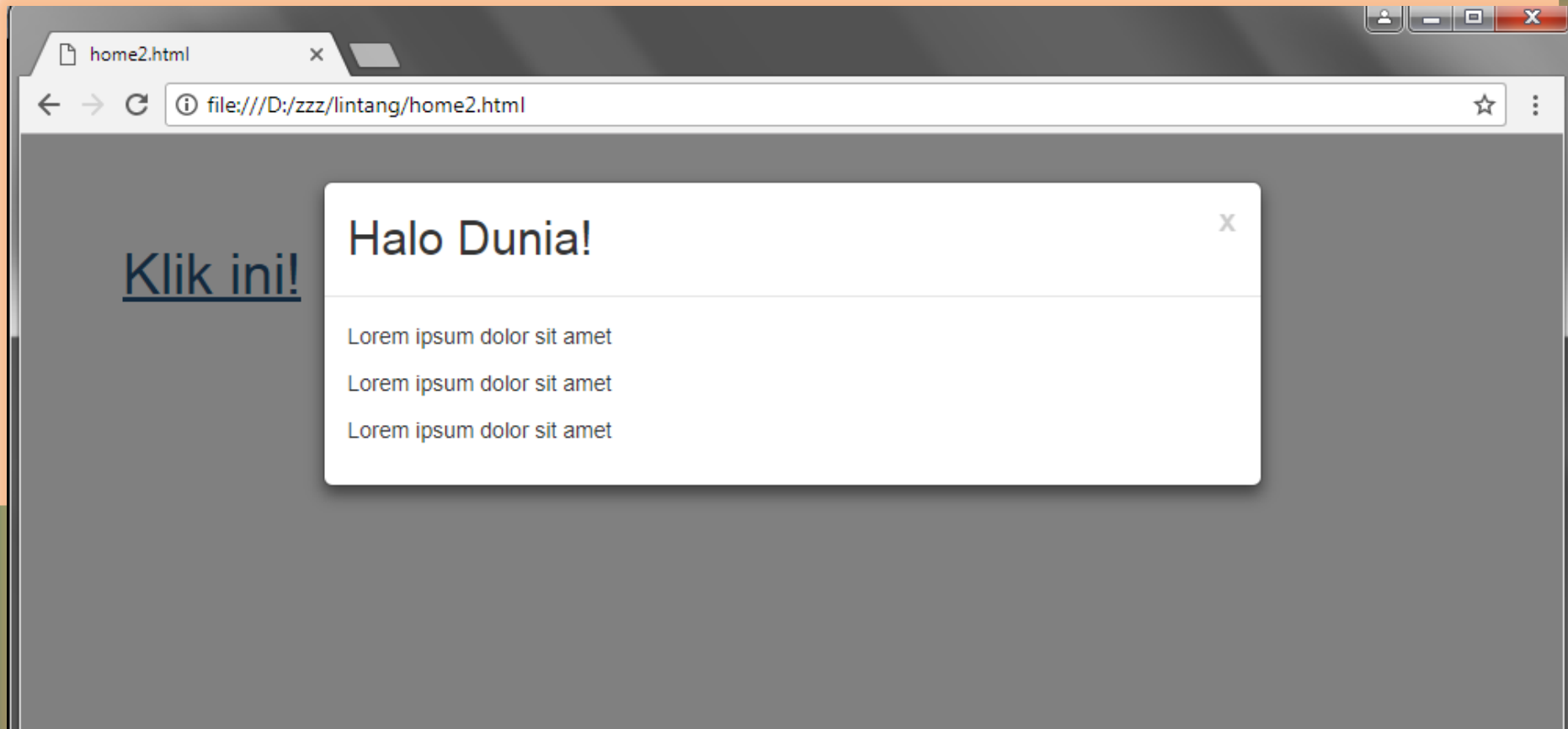


# Carousel

*Adding jQuery on <body>*

```
<script>
    $(function() {
        $('.carousel').carousel({
            interval: 1000,
            pause: false,
            wrap: true,
            keyboard: true
        });
    });
</script>
```

# Modal Pop-Up

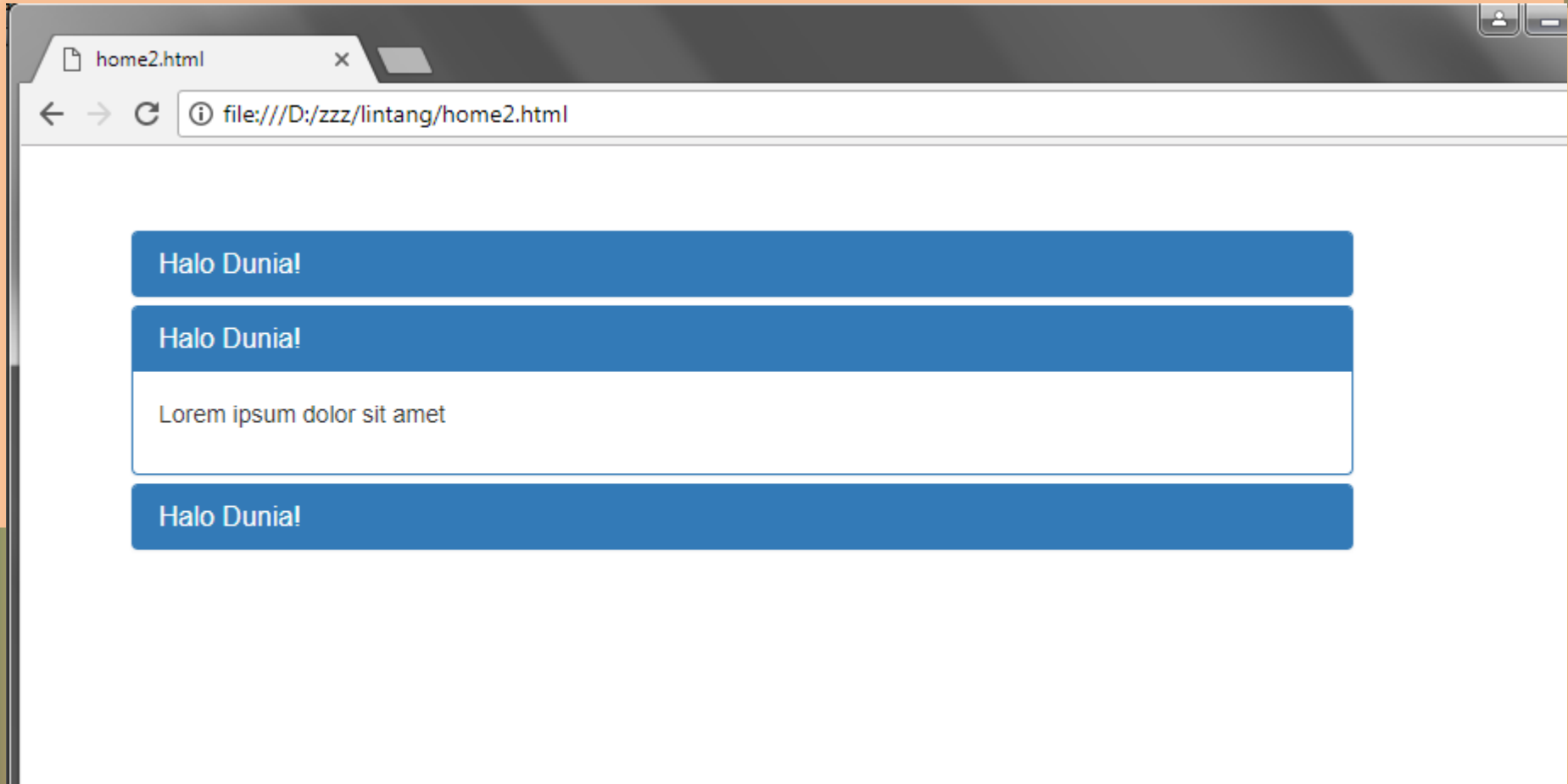




# Modal Pop-Up

```
<body>
<div class="container" style="margin:50px">
<div class="modal" id="lin_Modal">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button class="close" data-dismiss="modal">x</button>
<h2 class="modal-title">Halo Dunia!</h2>
</div>
<div class="modal-body">
<p>Lorem ipsum dolor sit amet</p>
<p>Lorem ipsum dolor sit amet</p>
<p>Lorem ipsum dolor sit amet</p>
</div>
</div>
</div>
</div>
<a href="#" data-toggle="modal"
data-target="#lin_Modal"><h1>Klik ini!</h1></a>
</div>
</body>
```

# Accordions







# ScrollReveal

Easy scroll animations for web and mobile browsers

[\*https://scrollrevealjs.org/\*](https://scrollrevealjs.org/)

## ■ #1 Installation (Works Online)

```
<script  
src="https://unpkg.com/scrollreveal/  
dist/scrollreveal.min.js">  
</script>
```



# ScrollReveal

## ■ #2 Installation (Works Offline)

- \* Download: [github.com/jlmakes/scrollreveal](https://github.com/jlmakes/scrollreveal)
- \* Extract & insert its JS file to JS Bootstrap folder
- \* Link to your HTML file

```
<head>  
<script src="js/scrollreveal.min.js"></script>  
  <script>  
    window.sr = ScrollReveal();  
  </script>  
</head>
```

# Basic ScrollReveal

## Part 1

```
<!DOCTYPE html>
```

```
<head>
```

```
    <script src="js/jquery-  
3.3.1.min.js"></script>
```

```
    <link rel="stylesheet" type="text/css"  
href="css/bootstrap.min.css">
```

```
    <script type="text/javascript"  
src="js/bootstrap.min.js"></script>
```

```
    <script  
src="js/scrollreveal.min.js"></script>
```

```
    <script>  
        window.sr = ScrollReveal();  
</script>
```

```
    <title>Purwadhika</title>
```

```
</head>
```

# Basic ScrollReveal

## Part 2

```
<body>
  <div class="tes-anim">
    <h1>Halo Dunia!</h1>
    <button class="btn btn-primary">
      Klik Ini
    </button>
  </div>
  <script>
    sr.reveal('.tes-anim');
  </script>
</body>
</html>
```

# ScrollReveal

```
<body>
  <div class="tes-anim">
    <h1>Halo Dunia!</h1>
    <button class="btn btn-primary">
      Klik Ini
    </button>
  </div>
  <script>
    sr.reveal('.tes-anim', {
      duration: 2000,
      delay: 2000,
      origin: 'right', //top, bottom, right, left
      distance: '300px',
      viewFactor: 0.1
    });
  </script>
</body>
```



Front-End Development



# Bootstrap

Responsive Web Framework