



Pengenalan Framework Bootstrap

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Pengertian Bootstrap

Bootstrap merupakan framework untuk membangun desain web secara responsif. Artinya, tampilan web yang dibuat oleh bootstrap akan menyesuaikan ukuran layar dari browser yang kita gunakan baik di desktop, tablet ataupun mobile device.

Salah satu *social media* yang sangat terkenal adalah **Twitter**. Interface Twitter dibangun dengan menggunakan framework Bootstrap, karena yang mengembangkan bootstrap adalah developer twitter itu sendiri. Oleh karena itu Bootstrap sering juga disebut dengan “**Twitter Bootstrap**”.



Kerangka Kerja Bootstrap

Kerangka Kerja (Framework) secara sederhana diartikan sebagai kumpulan dari fungsi-fungsi/prosedur-prosedur dan class-class untuk tujuan tertentu yang sudah siap digunakan sehingga bisa lebih mempermudah dan mempercepat pekerjaan seorang programmer, tanpa harus membuat fungsi atau class dari awal.

Fitur Bootstrap:

- Mempercepat dan mempermudah pembangunan sebuah aplikasi web.
- Relatif memudahkan dalam proses maintenance karena sudah ada pola tertentu dalam sebuah framework.
- Tampilan terkesan sangat modern.
- Sangat ringan karena bootstrap dibuat dengan sangat terstruktur.
- Menyediakan fasilitas-fasilitas yang umum dipakai sehingga kita tidak perlu membangun dari awal.



Bootstrap - The world's n... X Ahmed Sulni

Secure | <https://getbootstrap.com/docs/3.3/>

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Bootstrap 4 is here!

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B

Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web.

[Download Bootstrap](#)

Currently v3.3.7

Designed for everyone, everywhere

Bootstrap makes front-end web development faster and easier. It's made for folks of all skill levels, devices of all shapes, and projects of all sizes.



Penggunaan Bootstrap

Untuk menggunakan Bootstrap, bisa dilakukan dengan 3 cara:

1. Link ke server Bootstrap melalui CDN (*Content Delivery Network*)
2. *Download Source code Bootstrap.*
3. *Install bootstrap baik dengan menggunakan Bower, npm ataupun composer.*

Bootstrap CDN

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-BVYiIFeK1dGmJRAkycuHAHRg320mUcww7on3RYdg4Va+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-rHyoN1iRsVxV4nD0Jut1nGas1CJuc7uwjduw9SvRlVrYooPp2bwYgmgJQIXw1/Sp" crossorigin="anonymous">

<!-- Latest compiled and minified JavaScript -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-
Tc5IQib027qvyjSMfHjOMaLkFuWvXZxUPnCA712mCwNIPG9mGCD8wGNIcPD7Txa" crossorigin="anonymous"></script>
```

Source Code

```
bootstrap/  
├─ css/  
│  ├─ bootstrap.css  
│  ├─ bootstrap.css.map  
│  ├─ bootstrap.min.css  
│  ├─ bootstrap.min.css.map  
│  ├─ bootstrap-theme.css  
│  ├─ bootstrap-theme.css.map  
│  ├─ bootstrap-theme.min.css  
│  └─ bootstrap-theme.min.css.map  
├─ js/  
│  ├─ bootstrap.js  
│  └─ bootstrap.min.js  
└─ fonts/  
   ├─ glyphsicons-halflings-regular.eot  
   ├─ glyphsicons-halflings-regular.svg  
   ├─ glyphsicons-halflings-regular.ttf  
   ├─ glyphsicons-halflings-regular.woff  
   └─ glyphsicons-halflings-regular.woff2
```

This is the most basic form of Bootstrap: precompiled files for quick drop-in usage in nearly any web project. We provide compiled CSS and JS (`bootstrap.*`), as well as compiled and minified CSS and JS (`bootstrap.min.*`). CSS [source maps](#) (`bootstrap.*.map`) are available for use with certain browsers' developer tools. Fonts from Glyphicons are included, as is the optional Bootstrap theme.

[Bootstrap source code](#)

The Bootstrap source code download includes the precompiled CSS, JavaScript, and font assets, along with source Less, JavaScript, and documentation. More specifically, it includes the following and more:

```
bootstrap/  
├─ less/  
├─ js/  
├─ fonts/  
├─ dist/  
│  ├─ css/  
│  └─ js/  
├─ fonts/  
└─ docs/  
   └─ examples/
```

Basic Template

```
C:\Google Drive\My Lecturer\Pemogramran\Pertemuan\latihan\part-3\bootstrap.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
bootstrap.php | lumbatron.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
8   <title>Basic Template</title>
9
10  <!-- Bootstrap -->
11  <link href="bootstrap/css/bootstrap.min.css" rel="stylesheet">
12
13  <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
14  <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
15  <!--[if lt IE 9]>
16    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
17    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
18  <![endif]-->
19 </head>
20 <body>
21   <h1>Hello, world!</h1>
22
23   <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
24   <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
25   <!-- Include all compiled plugins (below), or include individual files as needed -->
26   <script src="bootstrap/js/bootstrap.min.js"></script>
27 </body>
28 </html>
```

Componen Jumbotron

```
CA:\Google Drive\My Lecture\Pemogramran\Pertemuan\latihan\part-3\jumbotron.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
bootstrap.php jumbotron.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1">
7 <!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
8 <title>Bootstrap jumbotron</title>
9
10 <!-- Bootstrap -->
11 <link href="bootstrap/css/bootstrap.min.css" rel="stylesheet">
12
13 <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
14 <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
15 <!--[if lt IE 9]>
16 <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
17 <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
18 <![endif]-->
19 </head>
20 <body>
21 <div class="jumbotron">
22 <div class="container">
23 <h1>Hello, world!</h1>
24 <p>This is a template for a simple marketing or informational website. It includes a large callout called a
    jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.
  </p>
25 <p><a class="btn btn-primary btn-lg" href="#" role="button">Learn more &raquo;</a></p>
26 </div>
27 </div>
28
29 <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
30 <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
31 <!-- Include all compiled plugins (below), or include individual files as needed -->
32 <script src="bootstrap/js/bootstrap.min.js"></script>
33 </body>
34 </html>
```

PHP Hypertext Preprocessor file length: 1,642 lines: 34 Ln: 21 Col: 28 Sel: 0 | 0 Windows (CR LF) UTF-8 INS