

LAPORAN PRAKTIKUM
PEMOGRAMAN BERBASIS WEB
“BOOTSTRAP”



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DAFTAR ISI

MATERI	2
1. Bootstrap	2
1.1 Pengertian Bootstrap	2
2. Form	2
2.1 Form Control	2
2.2 Form CheckBox dan Radio	3
2.3 Form Select	4
3. Components	5
3.1 Button Color	5
3.2 Navbar	7
3.3 Card	8
3.4 Alert	9
1. About Fruity	12
2. Home	13
3. Contact Me	16

MATERI

1. Bootstrap

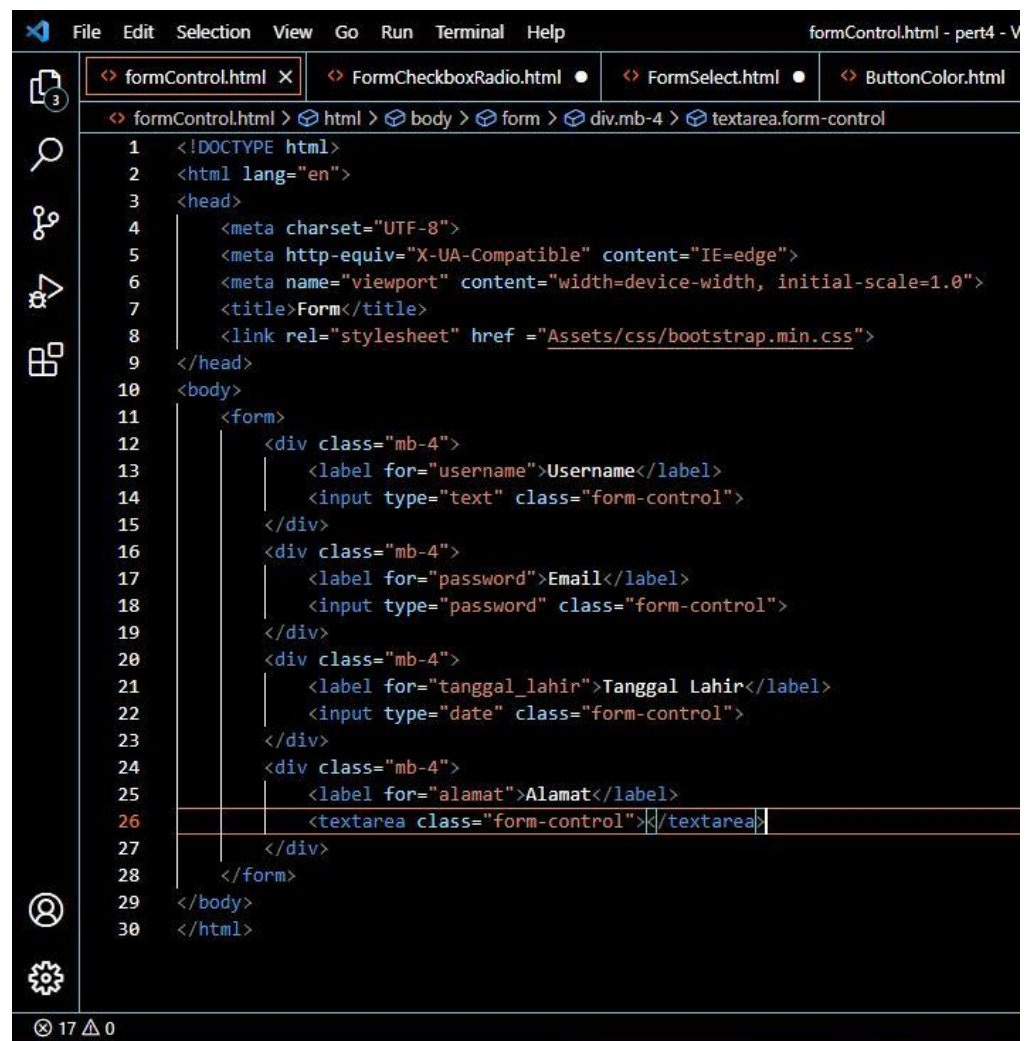
1.1 Pengertian Bootstrap

Bootstrap merupakan framework yang dirancang menggunakan HTML, CSS, dan Javascript yang dapat memudahkan kita untuk mendesain web. Dengan adanya Bootstrap kita dapat membuat desain web yang menarik dan juga responsive tanpa harus memahami kode-kode HTML, CSS, dan Javascript yang sangat rumit. Kita hanya perlu paham tentang dasar-dasarnya aja.

2. Form

2.1 Form Control

Bootstrap telah menyediakan class `.form-control` untuk membuat tampilan form menjadi lebih menarik berikut contohnya:



```
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=1.0">
7   <title>Form</title>
8   <link rel="stylesheet" href = "Assets/css/bootstrap.min.css">
9 </head>
10 <body>
11   <form>
12     <div class="mb-4">
13       <label for="username">Username</label>
14       <input type="text" class="form-control">
15     </div>
16     <div class="mb-4">
17       <label for="password">Email</label>
18       <input type="password" class="form-control">
19     </div>
20     <div class="mb-4">
21       <label for="tanggal_lahir">Tanggal Lahir</label>
22       <input type="date" class="form-control">
23     </div>
24     <div class="mb-4">
25       <label for="alamat">Alamat</label>
26       <textarea class="form-control"></textarea>
27     </div>
28   </form>
29 </body>
30 </html>
```

Form

Username

Email

Tanggal Lahir
dd/mm/yyyy

Alamat

2.2 Form CheckBox dan Radio

Untuk membuat tampilan checkbox dan radio lebih menarik maka gunakan class `.form-check-input` untuk tag dan class `.form-check-label` untuk label

```

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=1.0">
7   <title>Form</title>
8   <link rel="stylesheet" href="Assets/css/bootstrap.min.css">
9 </head>
10 <body>
11   <form>
12     <!-- checkbox -->
13     <div class="form-check">
14       <input type="checkbox" class="form-check-input">
15       <label class="form-check-label">Sepakbola</label>
16     </div>
17     <div class="form-check">
18       <input type="checkbox" class="form-check-input">
19       <label class="form-check-label">Membaca</label>
20     </div>
21     <!-- Radio -->
22     <div class="form-check">
23       <input type="radio" class="form-check-input">
24       <label class="form-check-label">Laki-laki</label>
25     </div>
26     <div class="form-check">
27       <input type="radio" class="form-check-input">
28       <label class="form-check-label">Perempuan</label>
29     </div>
30   </form>
31 </body>
32 </html>

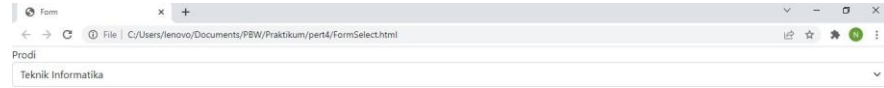
```



2.3 Form Select

Untuk merubah tampilan select bootstrap telah menyediakan class `.form-select` yang bisa kita gunakan sebagai berikut:

```
File Edit Selection View Go Run Terminal Help FormSelect.html - pert4 - Visual S
<> FormSelect.html X <> ButtonColor.html <> Navbar.html <> Card.html <> Alert.html
<> FormSelect.html > html
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=1.0">
7   <title>Form</title>
8   <link rel="stylesheet" href = "Assets/css/bootstrap.min.css">
9 </head>
10 <body>
11   <div class="mb-4">
12     <label>Prodi</label>
13     <select class="form-select">
14       <option value="Teknik Informatika">Teknik Informatika</option>
15       <option value="Sistem Operasi">Sistem Operasi</option>
16     </select>
17   </div>
18 </body>
19 </html>
```



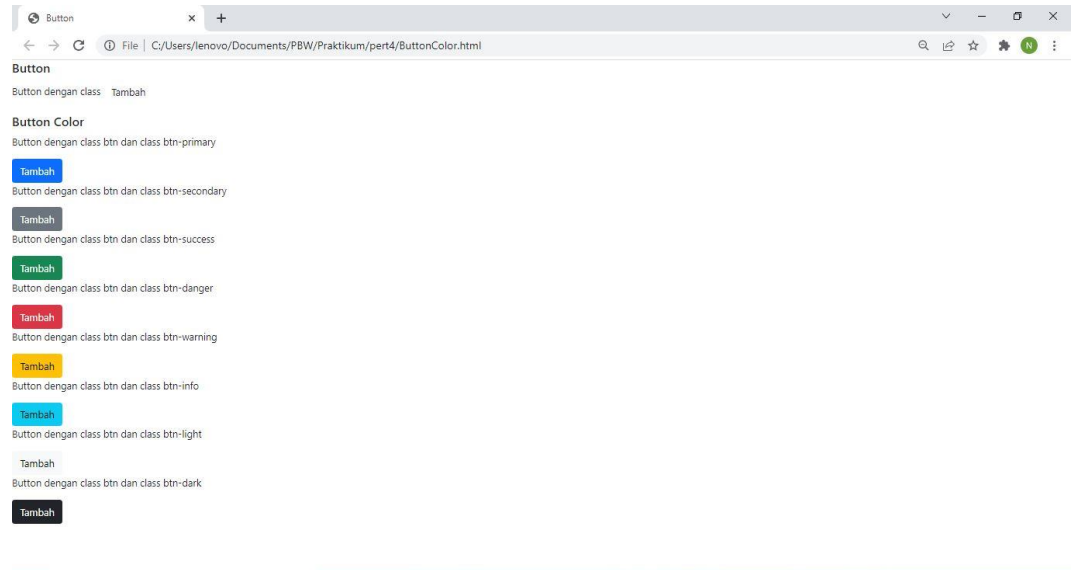
3. Components

3.1 Button Color

Ketika kita hanya menggunakan class `.btn` maka button yang kita buat secara default akan berwarna putih. Untuk mengatasi permasalahan tersebut bootstrap sudah menyediakan class untuk mengatur warna button, terdapat 8 class yang bisa kita gunakan yaitu:

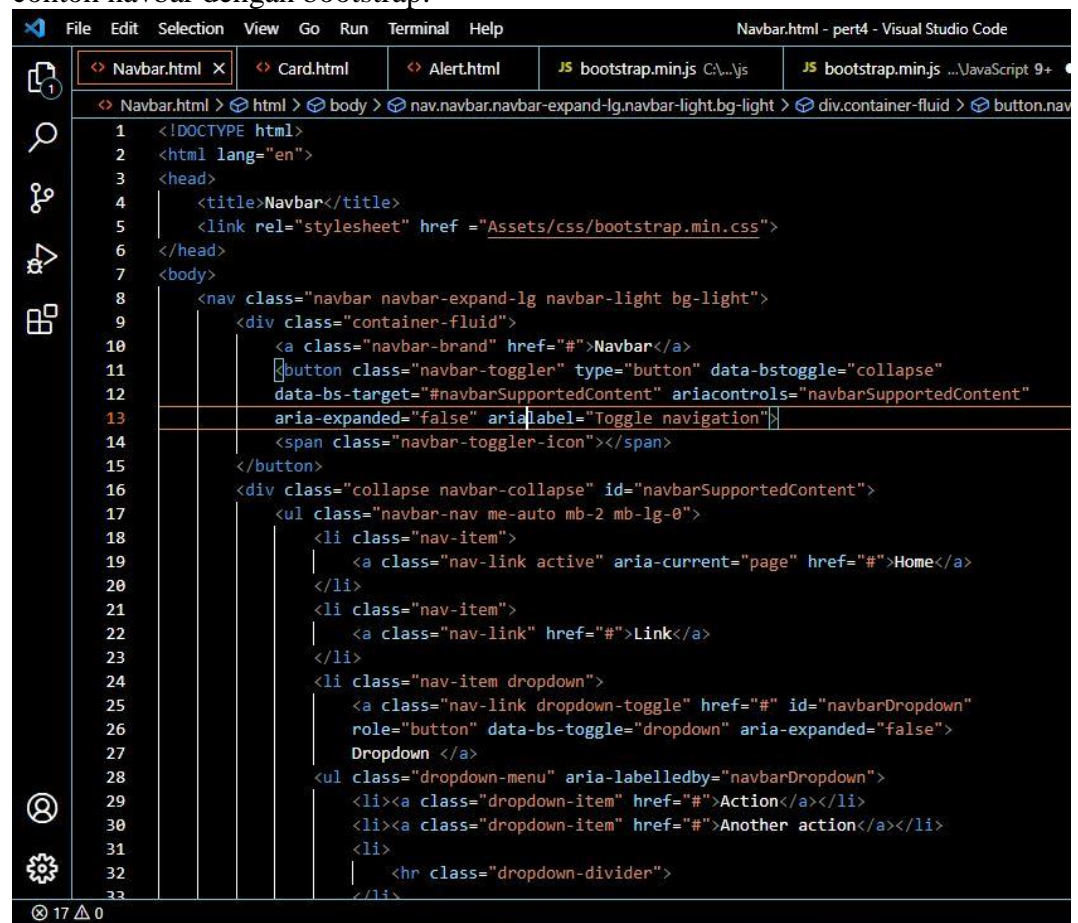
1. `.btn-primary`
2. `.btn-secondary`
3. `.btn-success`
4. `.btn-danger`
5. `.btn-warning`
6. `.btn-info`
7. `.btn-light`
8. `.btn-dark`

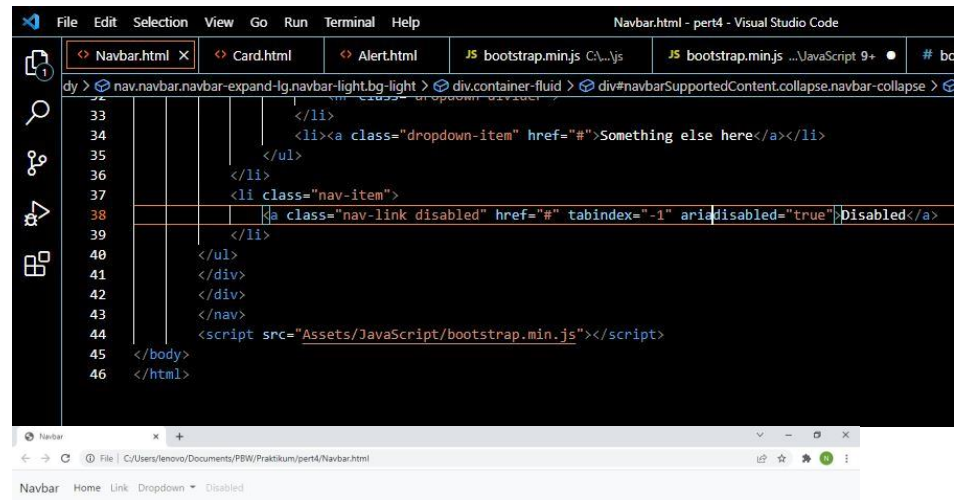
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Button</title>
5   <link rel="stylesheet" href = "Assets/css/bootstrap.min.css">
6 </head>
7 <body>
8   <h5>Button</h5>
9   <p>Button dengan class
10   |   <button class="btn">Tambah</button>
11   </p>
12   <h5>Button Color</h5>
13   <p>Button dengan class btn dan class btn-primary</p>
14   <button class="btn btn-primary">Tambah</button>
15   <p>Button dengan class btn dan class btn-secondary</p>
16   <button class="btn btn-secondary">Tambah</button>
17   <p>Button dengan class btn dan class btn-success</p>
18   <button class="btn btn-success">Tambah</button>
19   <p>Button dengan class btn dan class btn-danger</p>
20   <button class="btn btn-danger">Tambah</button>
21   <p>Button dengan class btn dan class btn-warning</p>
22   <button class="btn btn-warning">Tambah</button>
23   <p>Button dengan class btn dan class btn-info</p>
24   <button class="btn btn-info">Tambah</button>
25   <p>Button dengan class btn dan class btn-light</p>
26   <button class="btn btn-light">Tambah</button>
27   <p>Button dengan class btn dan class btn-dark</p>
28   <button class="btn btn-dark">Tambah</button>
29   <script src="Assets/JavaScript/bootstrap.min.js"></script>
30 </body>
31 </html>
```

3.2 Navbar

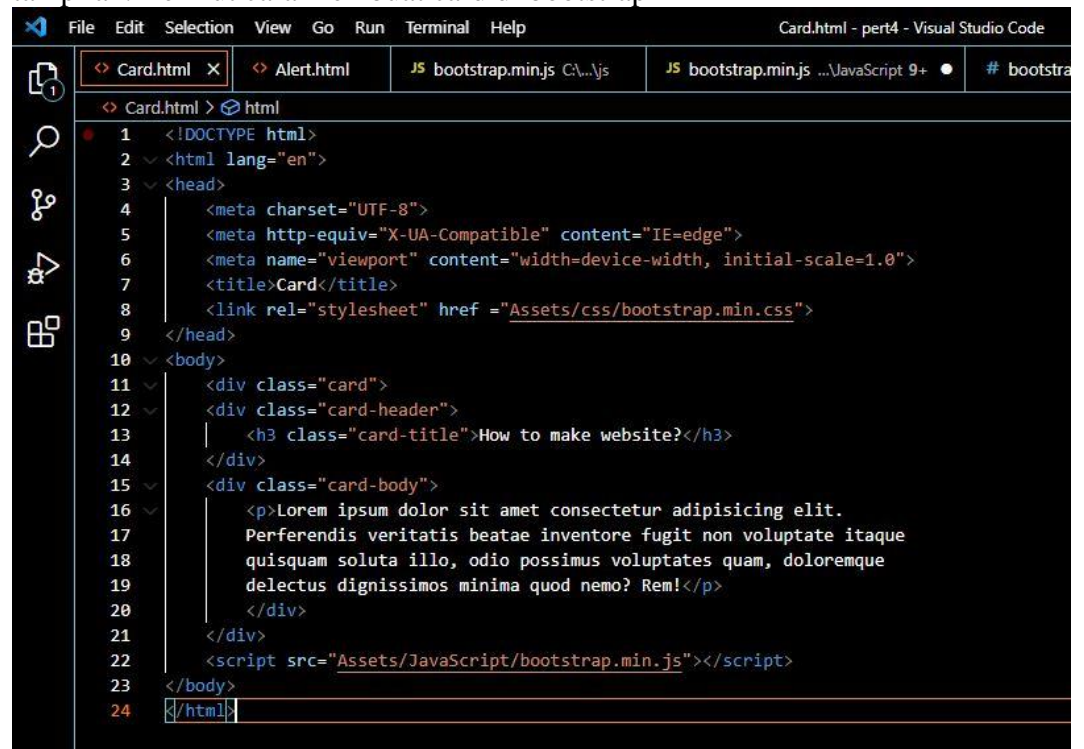
Bootstrap memudahkan kita untuk membuat menu navigasi. Berikut contoh navbar dengan bootstrap:





3.3 Card

Card merupakan komponen bootstrap untuk membuat berbagai fitur tampilan. Berikut cara membuat card di bootstrap





3.4 Alert

Alert merupakan komponen yang disediakan oleh bootstrap untuk menampilkan peringatan atau pemberitahuan. Untuk membuat alert kita bisa menggunakan class `.alert`. Selain itu bootstrap juga sudah menyediakan background color untuk alert. Terdapat 8 class yang bisa kita gunakan yaitu:

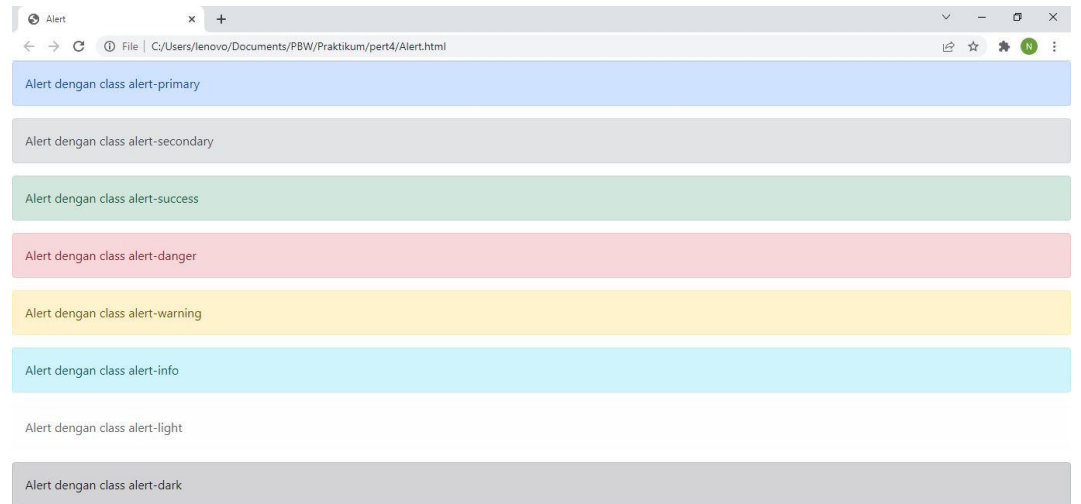
1. `.alert-primary`
2. `.alert-secondary`
3. `.alert-success`
4. `.alert-danger`
5. `.alert-warning`
6. `.alert-info`
7. `.alert-light`
8. `.alert-dark`

The screenshot shows the Visual Studio Code editor with the file 'Alert.html' open. The editor is displaying the first 33 lines of the HTML document. The code includes a DOCTYPE declaration, a lang attribute set to 'en', and a head section with meta tags for charset, http-equiv, and viewport, a title 'Alert', and a link to 'Assets/css/bootstrap.min.css'. The body section contains several Bootstrap alert divs with classes like 'alert-primary', 'alert-secondary', 'alert-success', 'alert-danger', 'alert-warning', 'alert-info', 'alert-light', and 'alert-dark'. The cursor is positioned at line 14, column 10.

```
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=1.0">
7   <title>Alert</title>
8   <link rel="stylesheet" href = "Assets/css/bootstrap.min.css">
9 </head>
10 <body>
11   <div class="alert alert-primary" role="alert">
12     | Alert dengan class alert-primary
13   </div>
14   <div class="alert alert-secondary" role="alert">
15     | Alert dengan class alert-secondary
16   </div>
17   <div class="alert alert-success" role="alert">
18     | Alert dengan class alert-success
19   </div>
20   <div class="alert alert-danger" role="alert">
21     | Alert dengan class alert-danger
22   </div>
23   <div class="alert alert-warning" role="alert">
24     | Alert dengan class alert-warning
25   </div>
26   <div class="alert alert-info" role="alert">
27     | Alert dengan class alert-info
28   </div>
29   <div class="alert alert-light" role="alert">
30     | Alert dengan class alert-light
31   </div>
32   <div class="alert alert-dark" role="alert">
33     | Alert dengan class alert-dark
```

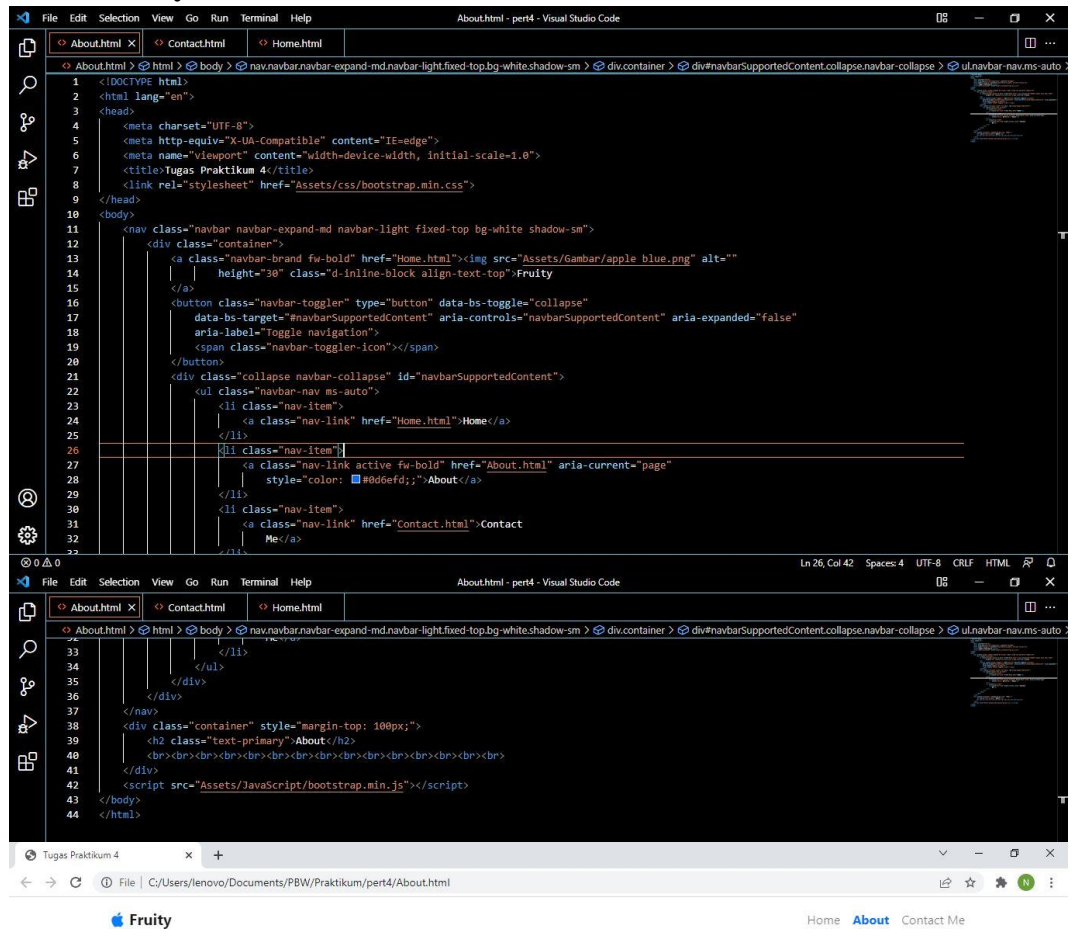
The screenshot shows the Visual Studio Code editor with the file 'Alert.html' open. The editor is displaying the last part of the HTML document, lines 30 through 37. The code continues the Bootstrap alert divs with 'alert-light' and 'alert-dark' classes. It also includes a script tag to load 'Assets/JavaScript/bootstrap.min.js'. The cursor is positioned at line 30, column 10.

```
30     | Alert dengan class alert-light
31   </div>
32   <div class="alert alert-dark" role="alert">
33     | Alert dengan class alert-dark
34   </div>
35   <script src="Assets/JavaScript/bootstrap.min.js"></script>
36 </body>
37 </html>
```

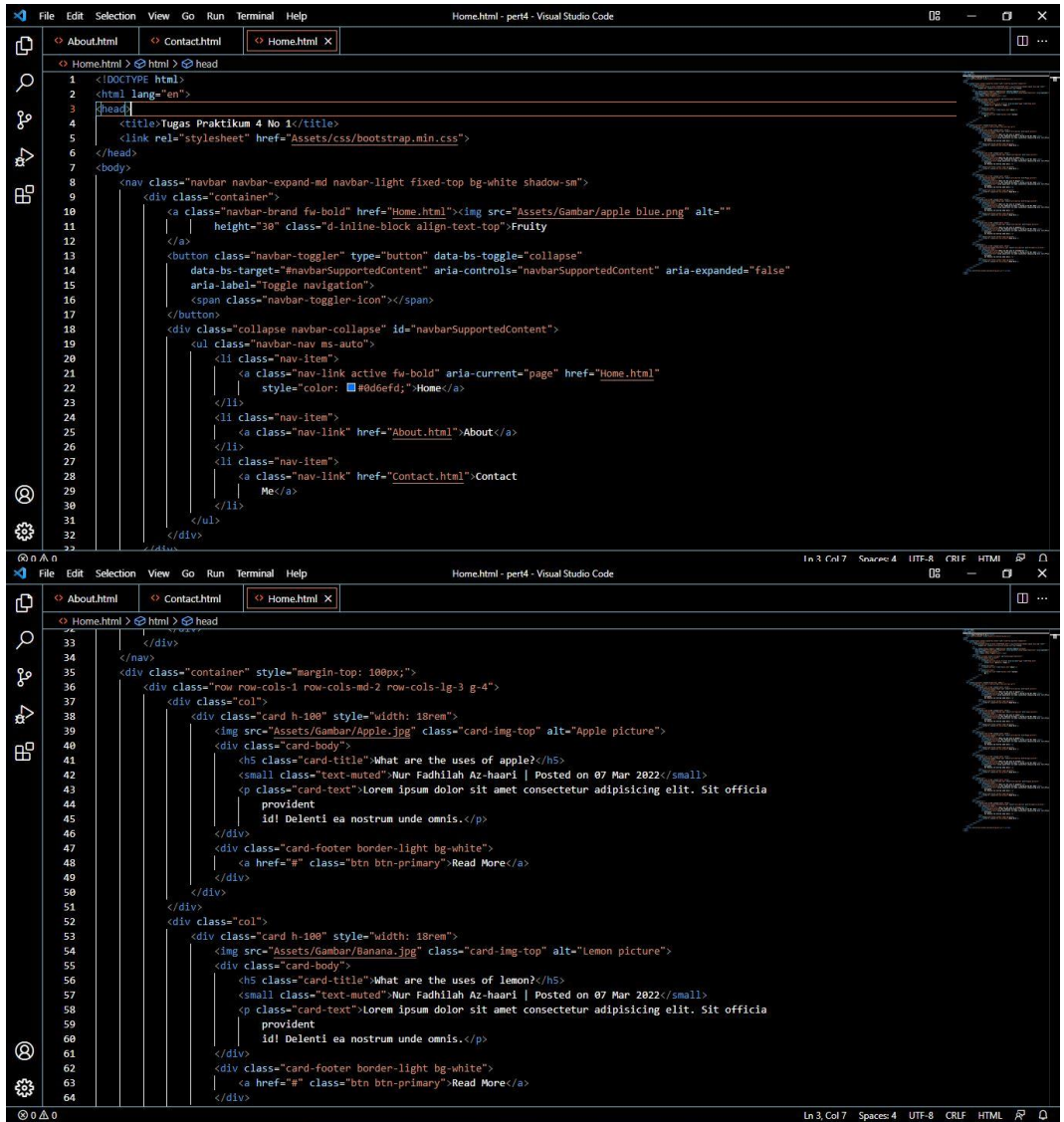


TUGAS

1. About Fruity



2. Home



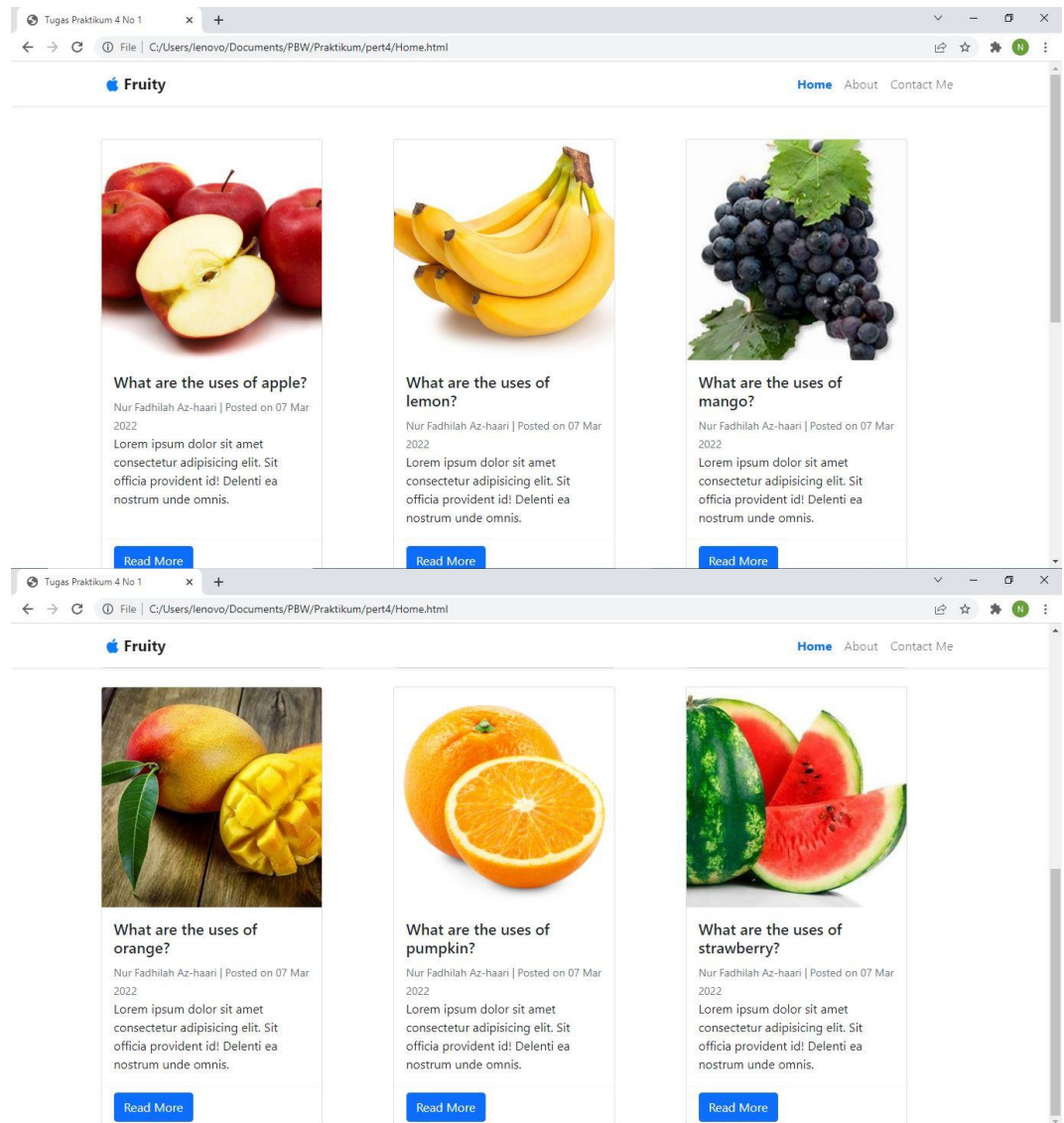
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Yugas Praktikum 4 No 1</title>
5 <link rel="stylesheet" href="Assets/css/bootstrap.min.css">
6 </head>
7 <body>
8 <nav class="navbar navbar-expand-md navbar-light fixed-top bg-white shadow-sm">
9 <div class="container">
10 <a class="navbar-brand fw-bold" href="Home.html">Fruity
12 </a>
13 <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
14 data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
15 aria-label="Toggle navigation">
16 <span class="navbar-toggler-icon"></span>
17 </button>
18 <div class="collapse navbar-collapse" id="navbarSupportedContent">
19 <ul class="navbar-nav ms-auto">
20 <li class="nav-item">
21 <a class="nav-link active fw-bold" aria-current="page" href="Home.html"
22 style="color: #007bff;">Home</a>
23 </li>
24 <li class="nav-item">
25 <a class="nav-link" href="About.html">About</a>
26 </li>
27 <li class="nav-item">
28 <a class="nav-link" href="Contact.html">Contact
29 Me</a>
30 </li>
31 </ul>
32 </div>
33 </div>
34 </nav>
35 <div class="container" style="margin-top: 100px;">
36 <div class="row row-cols-1 row-cols-md-2 row-cols-lg-3 g-4">
37 <div class="col">
38 <div class="card h-100" style="width: 18rem">
39 
40 <div class="card-body">
41 <h5 class="card-title">What are the uses of apple?</h5>
42 <small class="text-muted">Nur Fadilah Az-haari | Posted on 07 Mar 2022</small>
43 <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit officia
44 provident
45 id! Delenti ea nostrum unde omnis.</p>
46 </div>
47 <div class="card-footer border-light bg-white">
48 <a href="#" class="btn btn-primary">Read More</a>
49 </div>
50 </div>
51 </div>
52 <div class="col">
53 <div class="card h-100" style="width: 18rem">
54 
55 <div class="card-body">
56 <h5 class="card-title">What are the uses of lemon?</h5>
57 <small class="text-muted">Nur Fadilah Az-haari | Posted on 07 Mar 2022</small>
58 <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit officia
59 provident
60 id! Delenti ea nostrum unde omnis.</p>
61 </div>
62 <div class="card-footer border-light bg-white">
63 <a href="#" class="btn btn-primary">Read More</a>
64 </div>
65 </div>
66 </div>
67 </div>
```



```
File Edit Selection View Go Run Terminal Help Home.html - per14 - Visual Studio Code
About.html Contact.html Home.html X
Home.html > html > head
65 </div>
66 </div>
67 <div class="col">
68 <div class="card h-100" style="width: 18rem">
69 
70 <div class="card-body">
71 <h5 class="card-title">What are the uses of mango?</h5>
72 <small class="text-muted">Nur Fadhilah Az-haari | Posted on 07 Mar 2022</small>
73 <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit officia
74 provident
75 id! Delenti ea nostrum unde omnis.</p>
76 </div>
77 <div class="card-footer border-light bg-white">
78 <a href="#" class="btn btn-primary">Read More</a>
79 </div>
80 </div>
81 </div>
82 <div class="col">
83 <div class="card h-100" style="width: 18rem">
84 
85 <div class="card-body">
86 <h5 class="card-title">What are the uses of orange?</h5>
87 <small class="text-muted">Nur Fadhilah Az-haari | Posted on 07 Mar 2022</small>
88 <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit officia
89 provident
90 id! Delenti ea nostrum unde omnis.</p>
91 </div>
92 <div class="card-footer border-light bg-white">
93 <a href="#" class="btn btn-primary">Read More</a>
94 </div>
95 </div>
96 </div>
Ln 3, Col 7 Spaces: 4 UTF-8 CRLF HTML
```

```
File Edit Selection View Go Run Terminal Help Home.html - per14 - Visual Studio Code
About.html Contact.html Home.html X
Home.html > html > head
96 </div>
97 <div class="col">
98 <div class="card h-100" style="width: 18rem">
99 
100 <div class="card-body">
101 <h5 class="card-title">What are the uses of pumpkin?</h5>
102 <small class="text-muted">Nur Fadhilah Az-haari | Posted on 07 Mar 2022</small>
103 <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit officia
104 provident
105 id! Delenti ea nostrum unde omnis.</p>
106 </div>
107 <div class="card-footer border-light bg-white">
108 <a href="#" class="btn btn-primary">Read More</a>
109 </div>
110 </div>
111 </div>
112 <div class="col">
113 <div class="card h-100" style="width: 18rem">
114 
115 <div class="card-body">
116 <h5 class="card-title">What are the uses of strawberry?</h5>
117 <small class="text-muted">Nur Fadhilah Az-haari | Posted on 07 Mar 2022</small>
118 <p class="card-text">Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit officia
119 provident
120 id! Delenti ea nostrum unde omnis.</p>
121 </div>
122 <div class="card-footer border-light bg-white">
123 <a href="#" class="btn btn-primary">Read More</a>
124 </div>
125 </div>
126 </div>
127 </div>
128 </div>
Ln 3, Col 7 Spaces: 4 UTF-8 CRLF HTML

File Edit Selection View Go Run Terminal Help Home.html - per14 - Visual Studio Code
About.html Contact.html Home.html X
Home.html > html > head
128 </div>
129 <script src="Assets/JavaScript/bootstrap.min.js"></script>
130 </body>
131 </html>
```



3. Contact Me

```
File Edit Selection View Go Run Terminal Help Contact.html - port4 - Visual Studio Code
Contact.html > html > body > script
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=1.0">
7   <title>Yugas 4 No 2</title>
8   <link rel="stylesheet" href="Assets/css/bootstrap.min.css">
9 </head>
10
11 <body>
12   <nav class="navbar navbar-expand-md navbar-light fixed-top bg-white shadow-sm">
13     <div class="container">
14       <a class="navbar-brand fw-bold" href="Home.html">Fruity
16       </a>
17       <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
18         data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
19         aria-label="Toggle navigation">
20         <span class="navbar-toggler-icon"></span>
21       </button>
22       <div class="collapse navbar-collapse" id="navbarSupportedContent">
23         <ul class="navbar-nav ms-auto">
24           <li class="nav-item">
25             <a class="nav-link" href="Home.html">Home</a>
26           </li>
27           <li class="nav-item">
28             <a class="nav-link" href="About.html">About</a>
29           </li>
30           <li class="nav-item">
31             <a class="nav-link active fw-bold" href="Contact.html"
32               style="color: #00d6b2;">Contact
33             </a>
34           </li>
35         </ul>
36       </div>
37     </div>
38   </nav>
39   <div class="container" style="margin-top: 100px;">
40     <h2 class="text-primary">Contact Me</h2>
41     <p>If you need help, please contact us via the form below:</p>
42     <form class="row g-4">
43       <div class="col-12">
44         <label for="email" class="form-label">Email address</label>
45         <input type="email" class="form-control" id="email" placeholder="Enter email" required>
46       </div>
47       <div class="col-6">
48         <label for="firstname" class="form-label">First Name</label>
49         <input type="text" class="form-control" placeholder="Enter Name" aria-label="First name" id="firstname"
50           required>
51       </div>
52       <div class="col-6">
53         <label for="lastname" class="form-label">Last name</label>
54         <input type="text" class="form-control" placeholder="Enter Name" aria-label="Last name" id="lastname"
55           required>
56       </div>
57       <div class="col-12">
58         <label for="message" class="form-label">Message</label>
59         <textarea class="form-control" id="message" rows="2" required></textarea>
60       </div>
61       <div class="col-12">
62         <input class="form-check-input" type="checkbox" value="" id="invalidCheck" required>
63         <label class="form-check-label" for="invalidCheck">
64           I agree to the terms and conditions
65         </label>
66       </div>
67       <div class="col-12">
68         <button class="btn btn-primary" type="submit">Send</button>
69       </div>
70     </form>
71   </div>
72   <script src="Assets/JavaScript/bootstrap.min.js"></script>
73 </body>
74 </html>
```

Tugas 4 No 2

File | C:/Users/lenovo/Documents/PBW/Praktikum/pert4/Contact.html

Home About **Contact Me**

Fruity

Contact Me

If you need help, please contact us via the form below

Email address

Enter email

First Name

Enter Name

Last name

Enter Name

Message

☐ I agree to the terms and conditions

Send