

LAPORAN PRAKTIKUM
PERANCANGAN DAN PEMROGRAMAN WEB

MODUL 4
(BootStrap)



Oleh:

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PROGRAM STUDI S1 REKAYASA PERANGKAT LUNAK
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BAB I

PENDAHULUAN

A. Dasar Teori

Bootstrap merupakan sebuah *front-end framework* gratis untuk pengembangan antar muka *web* yang lebih cepat dan lebih mudah.

B. Tujuan

1. mampu memahami konsep dan implementasi Bootstrap pada web
2. mengetahui jenis-jenis Bootstrap serta cara penggunaannya.

BAB II

HASIL

A. GUIDED (Praktikum Terbimbing)

a. Mencoba bootstrap

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Document</title>

    <!-- Bootstrap CSS -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/css
/bootstrap.min.css"
      rel="stylesheet"
      integrity="sha384-
sRI14kxILFvY47J16cr9ZwB07vP4J8+LH7qKQnuqkuIAvNWLzeN8tE5YBujZqJLB"
      crossorigin="anonymous"
    />
  </head>

  <body>
    <!-- <div class="container bg-primary text-white">
      <h2>Container 1</h2>
    </div>

    <div class="container-fluid bg-secondary text-white">
      <h2>Container 2</h2>
    </div> -->

    <h1 class="fst-italic fw-bold">Hello World</h1>

    <!--Tabel Hover Style -->
    <table class="table table-hover table-bordered">
      <thead class="table-dark">
        <tr>
```

```

        <th scope="col">#</th>
        <th scope="col">Nama Lengkap</th>
        <th scope="col">Asal Kota</th>
        <th scope="col">Umur</th>
    </tr>
</thead>
<tbody>
    <tr>
        <th scope="row">1</th>
        <td>Rafa</td>
        <td>Cilacap</td>
        <td>35</td>
    </tr>
    <tr>
        <th scope="row">2</th>
        <td>Edoardo</td>
        <td>KarangKlesem</td>
        <td>32</td>
    </tr>
    <tr>
        <th scope="row">3</th>
        <td>Hafizh fish fish</td>
        <td>Banjarnegara</td>
        <td>38</td>
    </tr>
</tbody>
</table>

```

```

<div class="container mt-3">
    <h4>Button Styles</h4>
    <button type="button" class="btn btn-secondary btn-
lg">Secondary</button>
    <button type="button" class="btn btn-primary btn-
lg">Primary</button>
    <button type="button" class="btn btn-success btn-
lg">Success</button>
    <button type="button" class="btn btn-info btn-
lg">Info</button>
    <button type="button" class="btn btn-warning btn-
lg">Warning</button>
    <button type="button" class="btn btn-danger btn-
lg">Danger</button>

```

```

        <button type="button" class="btn btn-link btn-
lg">Link</button>
    </div>

    <div class="container">
        <h3>Horizontal form</h3>
        <form action="/action_page.php">
            <div class="row mb-3">
                <label for="uname" class="col-sm-
label">Username:</label>
                <div class="col-sm-10">
                    <input
                        type="text"
                        class="form-control"
                        id="uname"
                        placeholder="Enter username"
                        name="uname"
                    />
                </div>
            </div>
            <div class="row mb-3">
                <label for="pwd" class="col-sm-2 col-form-
label">Password:</label>
                <div class="col-sm-10">
                    <input
                        type="password"
                        class="form-control"
                        id="pwd"
                        placeholder="Enter password"
                        name="pwd"
                    />
                </div>
            </div>
            <div class="row">
                <div class="col-sm-10 offset-sm-2">
                    <button type="submit" class="btn btn-
success">Submit</button>
                </div>
            </div>
        </form>
    </div>
    <!-- <div class="container">
        <h2>Thumbnail & Fluid</h2>

```

```

        
        
    </div> -->

    <!-- <div class="container">
        <div class="row">
            <div class="col-12 col-md-8 bg-primary text-white">
            </div>
            <div class="col-6 col-md-4 bg-secondary text-white">
            </div>
        </div>
        <div class="row">
            <div class="col-6 col-md-4 bg-success text-white">.col-
6 .col-md-4</div>
            <div class="col-6 col-md-4 bg-info text-white">.col-
6 .col-md-4</div>
            <div class="col-6 col-md-4 bg-warning text-white">.col-
6 .col-md-4</div>
        </div>
        <div class="row">
            <div class="col-6 bg-dark text-white">.col-6</div>
            <div class="col-6 bg-light text-dark">.col-6</div>
        </div>
    </div> -->

    <!-- Bootstrap JS -->
    <script
        src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.8/dist/js/b
ootstrap.bundle.min.js"
        integrity="sha384-
FKyoeFForCGlyvwx9Hj09JcYn3nv7wiPvlz7YYwJrWVcXK/BmnVDxM+D2scQbITxI"
        crossorigin="anonymous"
    ></script>
</body>

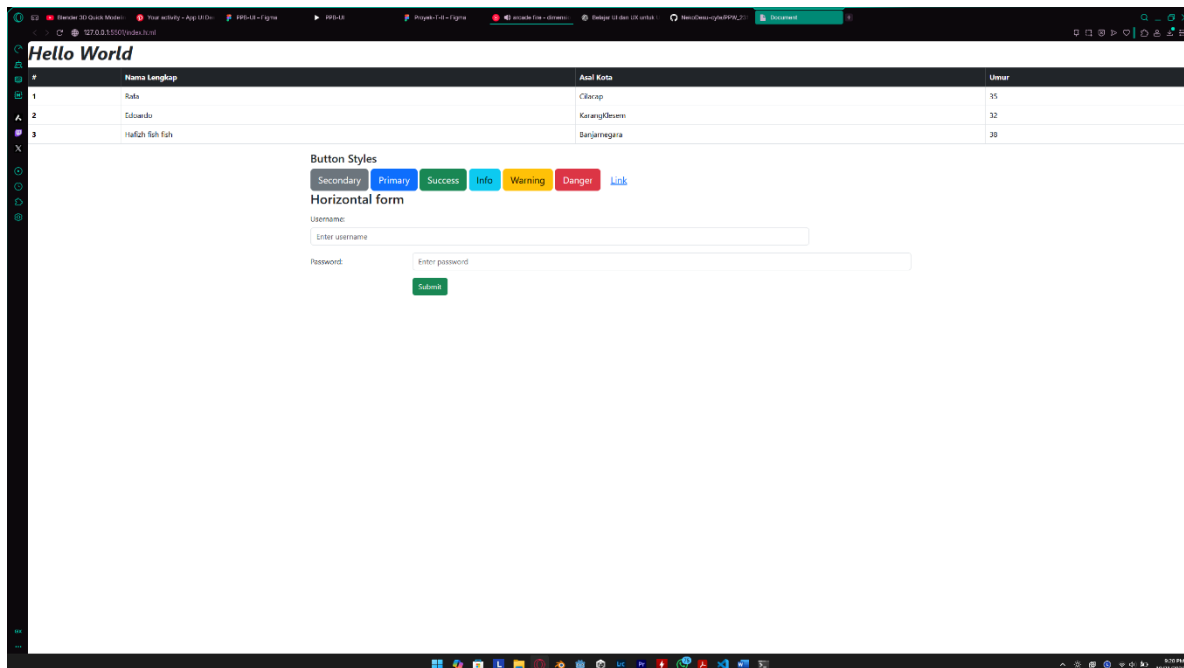
```

```
</html>
```

Penjelasan:

Kode di atas menampilkan beberapa isian dari bootstrap dengan cntoh dibawah ini

Output:



B. UNGUIDED (Tugas Mandiri)

1. Soal 1:

Design yang sudah dibuat di pertemuan sebelumnya, dibuat responsive menggunakan bootstrap

Ps: Berikan penjelasan komponen bootstrap apa saja yang digunakan.

Jawaban:

Source Code:

INDEX.HTML (di saya Namanya beranda.html)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>BikeShop</title>

    <!-- Bootstrap CSS -->
    <link
      href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css
/bootstrap.min.css"
      rel="stylesheet"
    />

    <!-- Google Fonts -->
    <link
      href="https://fonts.googleapis.com/css2?family=Poppins:wght
@700&family=Roboto:wght@400;500&display=swap"
      rel="stylesheet"
    />

    <!-- Custom CSS -->
    <link rel="stylesheet" href="style.css" />
  </head>

  <body>
    <!-- HEADER -->
    <header class="bg-danger text-white py-3">
      <div class="container d-flex justify-content-between align-
items-center">
```



```
<h1 class="m-0" style="font-family: 'Poppins', sans-serif">BikeShop</h1>
<nav>
  <ul class="nav">
    <li class="nav-item">
      <a href="Login.html" class="nav-link text-white">Login</a>
    </li>
    <li class="nav-item">
      <a href="Member.html" class="nav-link text-white">Member</a>
    </li>
    <li class="nav-item">
      <a href="Beranda.html" class="nav-link text-white">Beranda</a>
    </li>
    <li class="nav-item">
      <a href="Produk.html" class="nav-link text-white">Produk</a>
    </li>
  </ul>
</nav>
</div>
</header>

<!-- CAROUSEL -->
<div id="bikeCarousel" class="carousel slide" data-bs-ride="carousel">
  <div class="carousel-inner">
    <div class="carousel-item active">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>
```

```

<div class="carousel-item">
  
</div>
</div>
</div>

<!-- MAIN CONTENT -->
<main class="container my-5">
  <div class="row g-4">
    <!-- PRODUK -->
    <div class="col-lg-8">
      <div class="row g-4">
        <!-- Item 1 -->
        <div class="col-md-6 col-lg-4">
          <div class="card h-100">
            
            <div class="card-body">
              <h5 class="card-title">
                Specialized Stumpjumper Comp Carbon 29
              </h5>
              <p class="card-text text-danger fw-bold">IDR
85.000.000</p>
              <button class="btn btn-danger">Beli
Sekarang</button>
            </div>
          </div>
        </div>
        <!-- Item 2 -->
        <div class="col-md-6 col-lg-4">
          <div class="card h-100">
            

```

```

        />
        <div class="card-body">
            <h5 class="card-title">Trek Fuel EX 9.8 GX</h5>
            <p class="card-text text-danger fw-bold">IDR
78.500.000</p>
            <button class="btn btn-danger">Beli
Sekarang</button>
        </div>
    </div>
</div>

<!-- Item 3 -->
<div class="col-md-6 col-lg-4">
    <div class="card h-100">
        
        <div class="card-body">
            <h5 class="card-title">Polygon Collosus 9</h5>
            <p class="card-text text-danger fw-bold">IDR
92.750.000</p>
            <button class="btn btn-danger">Beli
Sekarang</button>
        </div>
    </div>
</div>

<!-- Item 4 -->
<div class="col-md-6 col-lg-4">
    <div class="card h-100">
        
        <div class="card-body">
            <h5 class="card-title">Polygon Siskiu T7</h5>
            <p class="card-text text-danger fw-bold">IDR
32.500.000</p>
            <button class="btn btn-danger">Beli
Sekarang</button>
        </div>
    </div>
</div>

```

```

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

<!-- Item 5 -->
<div class="col-md-6 col-lg-4">
    <div class="card h-100">
        
        <div class="card-body">
            <h5 class="card-title">
                Cannondale SuperSix EVO Hi-MOD 1 SRAM RED AXS
            </h5>
            <p class="card-text text-danger fw-bold">IDR
70.000.000</p>
                <button class="btn btn-danger">Beli
Sekarang</button>
            </div>
        </div>
    </div>

<!-- Item 6 -->
<div class="col-md-6 col-lg-4">
    <div class="card h-100">
        
        <div class="card-body">
            <h5 class="card-title">Giant TCR Advanced
Di2</h5>
            <p class="card-text text-danger fw-bold">IDR
57.857.000</p>
                <button class="btn btn-danger">Beli
Sekarang</button>
            </div>
        </div>
    </div>
</div>

```

```

</div>

<!-- RECOMMENDATION -->
<aside class="col-lg-4">
  <h3 class="mb-3 text-center">Recommendation</h3>

  <div class="recommendation-card card mb-4">
    
    <div class="card-body text-center">
      <p class="card-text mb-1 fw-medium fs-5">
        Giant Anthem Advanced 29 1
      </p>
      <p class="text-danger fw-bold fs-5">IDR
97.500.000</p>
      <button class="btn btn-danger">Beli
Sekarang</button>
    </div>
  </div>

  <div class="recommendation-card card">
    
    <div class="card-body text-center">
      <p class="card-text mb-1 fw-medium fs-5">
        Polygon Helios A9X TCG "Black"
      </p>
      <p class="text-danger fw-bold fs-5">IDR
81.000.000</p>
      <button class="btn btn-danger">Beli
Sekarang</button>
    </div>
  </div>
</aside>
</div>
</main>

```

```

    <!-- FOOTER -->
    <footer class="bg-light text-center py-3">
      <p class="m-0">&copy; 2025 BikeShop. All rights
reserved.</p>
    </footer>

    <!-- Bootstrap JS -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstr
ap.bundle.min.js"></script>
  </body>
</html>

```

Style.css

```

body {
  font-family: 'Roboto', sans-serif;
  background-color: #fff;
}

/* Carousel image height */
.carousel img {
  height: 500px;
  object-fit: cover;
}

/* Responsive carousel for mobile */
@media (max-width: 768px) {
  .carousel img {
    height: 300px;
  }
}

/* Custom hover effect for product cards */
.card:hover {
  transform: scale(1.03);
}

```

```

    transition: transform 0.3s ease;
  }

  /* Recommendation section */
  aside h3 {
    font-family: 'Poppins', sans-serif;
    font-weight: 600;
  }

  /* Footer text */
  footer p {
    font-size: 14px;
    color: #000;
  }

  /* --- Recommendation Section (Bigger Size) --- */
  aside {
    background-color: #fff8f8;
    padding: 15px;
    border-radius: 10px;
  }

  .recommendation-card {
    border: 2px solid #ddd;
    box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
    transform: scale(1.03);
    transition: transform 0.3s ease, box-shadow 0.3s ease;
    overflow: hidden;
  }

  .recommendation-card img {
    height: 300px;
    object-fit: cover;
  }

  .recommendation-card:hover {
    transform: scale(1.07);
    box-shadow: 0 8px 20px rgba(0, 0, 0, 0.2);
  }

  .recommendation-card .card-body {
    padding: 1.5rem;
  }

```

```

.recommendation-card .card-text {
  font-size: 1.2rem;
}

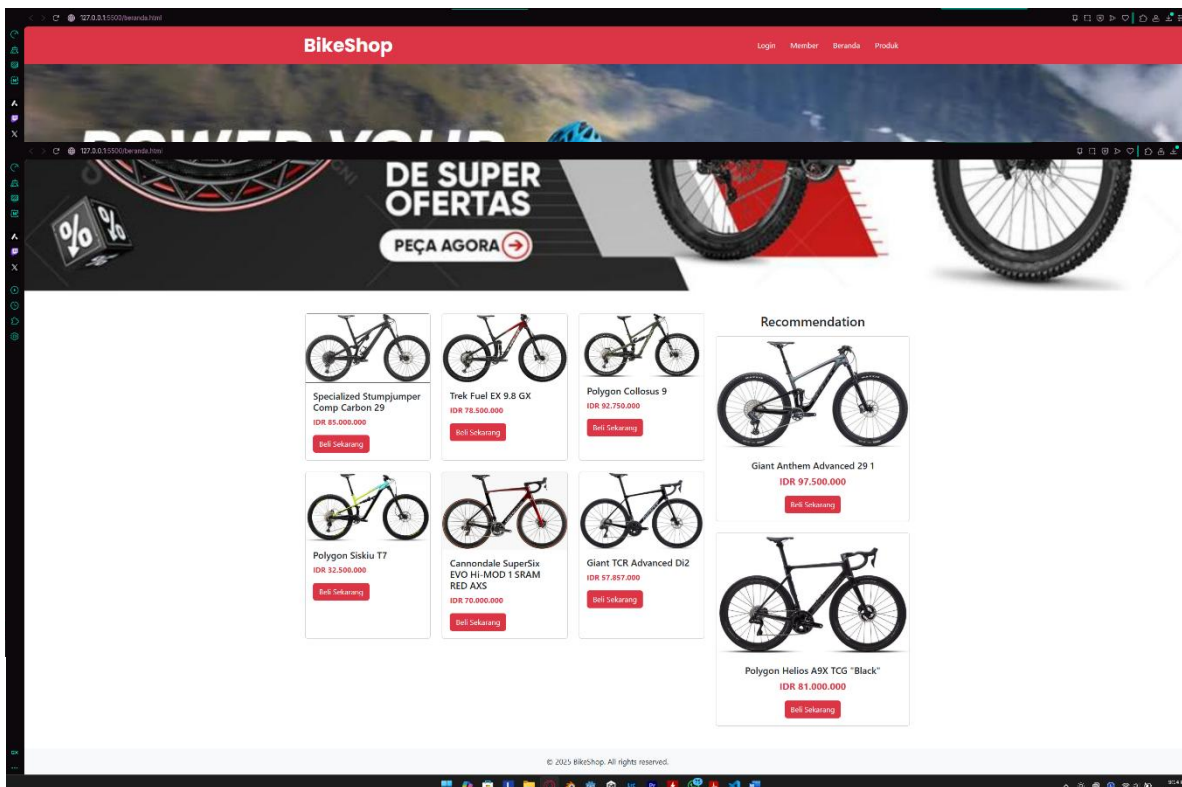
.recommendation-card .text-danger {
  font-size: 1.3rem;
  font-weight: 700;
}

/* Responsif untuk layar kecil */
@media (max-width: 992px) {
  aside {
    margin-top: 40px;
  }

  .recommendation-card img {
    height: 240px;
  }
}

```

Output:



Penjelasan:

Menggunakan HTML dan CSS kemudian di pindahkan ke bootstrap biar lebih responsive lagi, kode ini tetap sama, menggunakan CSS untuk mengatur ukuran gambar tertentu dan ukuran font nya, soalnya di bootstrap juga sedikit terbatas. Kemudian selainnya sama.

Komponen Bootstrap yang Dipakai

- Grid system
- Utilities
- Navbar sederhana
- Carousel untuk banner geser
- Cards untuk tampilan produk
- Button

BAB III

PENUTUP

A. Kesimpulan

(Tuliskan kesimpulan dari hasil praktikum dan tugas mandiri.

Contoh:

Hal-hal penting yang dipelajari.

Kendala yang dihadapi dan bagaimana mengatasinya.)