

# PRAKTIKUM 6

## Komponen Bootstrap

### A. Import Bootstrap (silahkan dipilih)

#### 1. Online

- buat file baru simpan dengan nama file input\_data.html, ketikkan kode berikut:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Form Input dan Tabel Data</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

#### 2. Lokal

- Download file bootstrap dari situs resmi, <https://getbootstrap.com/>

The screenshot shows the official Bootstrap website's 'Download' page. At the top, there's a purple navigation bar with tabs for 'Docs' (which is active), 'Examples', 'Icons', 'Themes', and 'Blog'. To the right of the navigation is a search bar with a magnifying glass icon and a 'CTRL K' keyboard shortcut. Below the navigation, on the left, is a sidebar with sections like 'Getting started' (with 'Introduction' and 'Download' highlighted with a red box), 'Contents', 'Browsers & devices', 'JavaScript', 'Webpack', 'Parcel', 'Vite', 'Accessibility', 'RFS', 'RTL', and 'Contribute'. On the right, the main content area has a large heading 'Download'. Below it, text says 'Download Bootstrap to get the compiled CSS and JavaScript, source code, or include it with your favorite package managers like npm, RubyGems, and more.' There's a 'View on GitHub' link. Further down, under 'Compiled CSS and JS', it says 'Download ready-to-use compiled code for **Bootstrap v5.3.3** to easily drop into your project, which includes:' followed by two bullet points: 'Compiled and minified CSS bundles (see [CSS files comparison](#))' and 'Compiled and minified JavaScript plugins (see [JS files comparison](#))'. A note below states 'This doesn't include documentation, source files, or any optional JavaScript dependencies like Popper.' At the bottom of this section is a large blue 'Download' button.

- Buat folder baru dengan nama P6\_NIM kemudian ekstrak file bootstrap yang sudah diunduh kedalam folder P6\_NIM
- Ubah nama folder **bootstrap-5.3.3-dist** menjadi **bootstrap**

-Buat file baru simpan dengan nama file input\_data.html, ketikkan kode berikut:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Form Input dan Tabel Data</title>
    <!-- Menggunakan Bootstrap dari file lokal -->
    <link href="bootstrap/css/bootstrap.min.css" rel="stylesheet">
  </head>
  <body>

    <!-- Menggunakan Bootstrap JS dari file lokal -->
    <script src="bootstrap/js/bootstrap.bundle.min.js"></script>
  </body>
</html>
```

- Struktur file pada folder sebagai berikut:

📁 bootstrap	26/09/2024 14:32	File folder		
.Chrome input_data	26/09/2024 14:35	Chrome HTML Do...	3 KB	

## B. Komponen Antarmuka (Typography, Form, Button, Table)

- Buka kembali file input\_data.html, tambahkan link fontawesome berikut dibawah

```
<title>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
```

- Tambahkan kode berikut didalam <body>

```
<div class="container mt-5">
  <!-- Form Input Data Mahasiswa -->
  <h2 class="mb-4">Form Input Data Mahasiswa</h2>
  <form>
    <div class="row mb-3">
      <div class="col-md-6">
        <label for="nim" class="form-label">NIM</label>
        <input type="text" class="form-control" id="nim" placeholder="Masukkan NIM">
      </div>
    </div>
    <div class="row mb-3">
      <div class="col-md-6">
        <label for="nama" class="form-label">Nama</label>
        <input type="text" class="form-control" id="nama" placeholder="Masukkan Nama">
      </div>
    </div>
    <div class="row mb-3">
      <div class="col-md-6">
        <label for="jurusan" class="form-label">Jurusan</label>
        <input type="text" class="form-control" id="jurusan" placeholder="Masukkan Jurusan">
      </div>
    </div>
    <div class="row mb-3">
      <div class="col-md-6">
        <label for="angkatan" class="form-label">Angkatan</label>
        <input type="text" class="form-control" id="angkatan" placeholder="Masukkan Angkatan">
      </div>
    </div>
    <button type="submit" class="btn btn-primary">
      <i class="fas fa-save"></i> Simpan
    </button>
  </form>
```

```
<!-- Tabel Tampil Data -->
<h2 class="mt-5 mb-4">Tabel Data Mahasiswa</h2>
<table class="table table-bordered">
  <thead class="table-dark">
    <tr>
      <th scope="col">NIM</th>
      <th scope="col">Nama</th>
      <th scope="col">Jurusan</th>
      <th scope="col">Angkatan</th>
      <th scope="col">Aksi</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>2020012345</td>
      <td>John Doe</td>
      <td>Teknik Informatika</td>
      <td>2020</td>
      <td>
        <button class="btn btn-warning btn-sm">
          <i class="fas fa-edit"></i> Edit
        </button>
        <button class="btn btn-danger btn-sm">
          <i class="fas fa-trash"></i> Hapus
        </button>
      </td>
    </tr>
  </tbody>
</table>
</div>
```

- c. Jalankan program dengan menggunakan class tabel yang berbeda <https://getbootstrap.com/docs/5.3/content/tables/>, tuliskan hasilnya dibawah ini:

## C. Komponen Interaktif (Modal)

a. Buat file baru, simpan dengan nama produk.html ketikkan kode berikut:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Produk dengan Modal</title>
    <!-- Menggunakan Bootstrap CSS dari file lokal -->
    <link href="bootstrap/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <div class="container mt-5">
        <!-- Card Produk -->
        <h2 class="mb-4" align="center">Daftar Produk</h2>
        <div class="row">
            <div class="col-md-4">
                <div class="card">
                    
                    <div class="card-body">
                        <h5 class="card-title">Produk A</h5>
                        <p class="card-text">Harga: Rp 100.000</p>
                        <p class="card-text">Stok: 50</p>
                        <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#detailModal1">
                            Detail
                        </button>
                    </div>
                </div>
            </div>
        </div>
    </div>

    <!-- Modal Produk Detail -->
    <div class="modal fade" id="detailModal1" tabindex="-1" aria-labelledby="detailModalLabel1" aria-hidden="true">
        <div class="modal-dialog">
            <div class="modal-content">
                <div class="modal-header">
                    <h5 class="modal-title" id="detailModalLabel1">Detail Produk A</h5>
                    <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
                </div>
                <div class="modal-body">
                    
                    <p><strong>Nama Produk:</strong> Produk A</p>
                    <p><strong>Harga:</strong> Rp 100.000</p>
                    <p><strong>Stok:</strong> 50</p>
                </div>
                <div class="modal-footer">
                    <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Tutup</button>
                </div>
            </div>
        </div>
    </div>

    <!-- Menyertakan Bootstrap JS dari file lokal -->
    <script src="bootstrap/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

Penjelasan kode:

- Atribut data-bs-toggle="modal" dan data-bs-target="#detailModal1" merupakan tombol yang memicu modal di dalam card produk.
- Atribut data-bs-toggle="modal" memberitahu Bootstrap bahwa ketika tombol tersebut diklik, modal harus ditampilkan.
- Atribut data-bs-target="#detailModal1" menunjukkan modal mana yang akan ditampilkan (mengacu pada ID modal).
- Modal didefinisikan dengan ID ="detailModal1", yang menghubungkan tombol dengan modal ini.
- **col-md-4** berarti elemen tersebut akan mengambil **4 dari 12 kolom** yang tersedia dalam grid ketika dilihat pada layar dengan ukuran **medium (md)** atau lebih besar

b. Jalankan program, selanjutnya ubah tampilan dengan 3 produk sejajar dan ketikan tombol detail diklik maka akan menampilkan modal detail informasi masing-masing produk, tuliskan hasilnya disini:

## D. Login Sederhana

a. Buat file baru, simpan dengan nama login.html ketikkan kode berikut:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Form dengan Alert</title>
    <!-- Menggunakan Bootstrap CSS dari file lokal -->
    <link href="bootstrap/css/bootstrap.min.css" rel="stylesheet">
    <!-- Menggunakan FontAwesome dari CDN -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
    <style>
        .login-container {
            max-width: 400px;
            margin: auto;
        }
        .form-control {
            width: 100%;
        }
        .btn {
            width: 100%;
        }
    </style>
</head>
<body>
    <div class="container mt-5 login-container">
        <h2 class="mb-4 text-center">Login</h2>
        <div id="alert-container"></div>
        <form id="LoginForm" onsubmit="return login(event)">
            <div class="mb-3">
                <label for="username" class="form-label">Username</label>
                <input type="text" class="form-control" id="username" placeholder="Masukkan username" required>
            </div>
            <div class="mb-3">
                <label for="password" class="form-label">Password</label>
                <input type="password" class="form-control" id="password" placeholder="Masukkan password" required>
            </div>
            <button type="submit" class="btn btn-primary">
                <i class="fas fa-sign-in-alt"></i> Login
            </button>
        </form>
    </div>
    <!-- Bootstrap JS dari file lokal -->
    <script src="bootstrap/js/bootstrap.bundle.min.js"></script>
    <script>
        function login(event) {
            event.preventDefault();
            const username = document.getElementById('username').value;
            const password = document.getElementById('password').value;
            const alertContainer = document.getElementById('alert-container');
            alertContainer.innerHTML = '';
            if (username === 'admin' && password === '1234') {
                const successAlert = `
                    <div class="alert alert-success alert-dismissible fade show" role="alert">
                        <i class="fas fa-check-circle"></i> <strong>Berhasil!</strong> Anda berhasil login.
                        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
                    </div>
                `;
                alertContainer.innerHTML = successAlert;
            } else {
                const errorAlert = `
                    <div class="alert alert-danger alert-dismissible fade show" role="alert">
                        <i class="fas fa-exclamation-circle"></i> <strong>Error!</strong> Username atau password salah.
                        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
                    </div>
                `;
                alertContainer.innerHTML = errorAlert;
            }
        }
    </script>
</body>
</html>
```

- b. Jalankan program masukkan username=admin dan password 1234, tuliskan hasilnya dibawah ini:

**Kegiatan Praktikum**

Eksekusi semua modul praktikum sesuai dengan panduan yang tersedia, selanjutnya upload hasil praktikum beserta file pendukung dengan nama folder **P6\_NIM**