**LAPORAN TUGAS WORKSHOP**

**TEKNOLOGI WEB MULTIMEDIA**

****

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**POLITEKNIK ELEKTRONIKA NEGERI SURABAYA**

**2024**

***MATERI***

**Cascading Style Sheet**

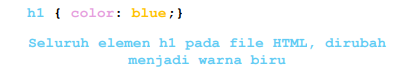
* Mekanisme sederhana yang menggatur gaya/style pada halaman.
* Bertujuan untuk memisahkan konten daya style.
* 1 CSS bisa digunakan pada banyak file html.
* 1 HTML bisa menggunakan banyak CSS.

**Struktur CSS**



**Selector**

* Digunakan untuk memilih dan memanipulasi elemen spesifik pada HTML.
* Elemen bisa dipilih berdasarkan tag, id, atau class.



**Property & Value**



<https://developer.mozilla.org/en-US/docs/Web/CSS>

**Penempatan CSS**

* Embed



* Inline



* External



***PEROBAAN***

Percobaan 1: Install Bootstrap

**Percobaan 1.1: Inisiasi file HTML**

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

</body>

</html>

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ANALISA :

**Percobaan 1.2: Install Bootstrap Online**

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

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

        integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

</head>

<body>

    <h1>Hello, world!</h1>

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

        integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"

        crossorigin="anonymous"></script>

</body>

</html>

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ANALISA :

**Percobaan 1.3: Install Bootstrap Offline**

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

    <link href=”css/bootstrap.css" rel="stylesheet">

</head>

<body>

    <h1>Hello, world!</h1>

    <script src=”js/bootstrap.js"></script>

</body>

</html>

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ANALISA :

Percobaan 1.4: Komparasi bootstrap online dan offline (percobaan 1.2, percobaan 1.3)

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ANALISA :

Percobaan 2: Layout dengan bootstrap

Percobaan 2.1: Grid Layout

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <div class="container text-center">

        <div class="row">

            <div class="col border">

                Column 1

            </div>

            <div class="col border">

                Column 2

            </div>

            <div class="col border">

                Column 3

            </div>

        </div>

    </div>

</body>

</html>

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ANALISA :

Percobaan 2.2: Grid Layout dengan lebar yang sama.

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <div class="container text-center">

        <div class="row">

            <div class="col border">

                1 of 2

            </div>

            <div class="col border">

                2 of 2

            </div>

        </div>

        <div class="row">

            <div class="col border">

                1 of 3

            </div>

            <div class="col border">

                2 of 3

            </div>

            <div class="col border">

                3 of 3

            </div>

        </div>

    </div>

</body>

</html>

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ANALISA :

Percobaan 2.3: Grid Layout dengan lebar yang beda.

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <div class="container text-center">

        <div class="row">

            <div class="col border">

                1 of 3

            </div>

            <div class="col-6 border">

                2 of 3 (wider)

            </div>

            <div class="col border">

                3 of 3

            </div>

        </div>

        <div class="row">

            <div class="col border">

                1 of 3

            </div>

            <div class="col-5 border">

                2 of 3 (wider)

            </div>

            <div class="col border">

                3 of 3

            </div>

        </div>

    </div>

</body>

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ANALISA :

Percobaan 3: Content

Percobaan 3.1: Typography

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <p class="h1">h1. Bootstrap heading</p>

    <p class="h2">h2. Bootstrap heading</p>

    <p class="h3">h3. Bootstrap heading</p>

    <p class="h4">h4. Bootstrap heading</p>

    <p class="h5">h5. Bootstrap heading</p>

    <p class="h6">h6. Bootstrap heading</p>

</body>

</html>

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ANALISA :

Percobaan 3.2: Images (belum yakin)

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <img src="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhOldVsiDBu-PBjFxak5s94qxwZ5LTuo6XrHBUp51qZANHG0-nxMEVd0sV3ARPRCQ5iRZ5BI33y30jArwP63eEbrLyrtR2C8QnrW43rwNLzKD9Te1WUMg\_pP-xdLVbUWWcPwEorzaaHk8sEmkjCmnpiuXWRQFdt1JS370hMViEbCH6kzZBDJTnIxg/w320-h128/Politeknik%20Elektronika%20Negeri%20Surabaya.png" class="img-fluid" alt="logo pens">

    <img src="https://blogger.googleusercontent.com/img/b/R29vZ2xl/AVvXsEhOldVsiDBu-PBjFxak5s94qxwZ5LTuo6XrHBUp51qZANHG0-nxMEVd0sV3ARPRCQ5iRZ5BI33y30jArwP63eEbrLyrtR2C8QnrW43rwNLzKD9Te1WUMg\_pP-xdLVbUWWcPwEorzaaHk8sEmkjCmnpiuXWRQFdt1JS370hMViEbCH6kzZBDJTnIxg/w320-h128/Politeknik%20Elektronika%20Negeri%20Surabaya.png" class="rounded img-fluid" alt="logo pens">

</body>

</html>

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ANALISA :

Percobaan 3.3: Tabel

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <table class="table">

        <thead>

            <tr>

                <th scope="col">#</th>

                <th scope="col">First</th>

                <th scope="col">Last</th>

                <th scope="col">Handle</th>

            </tr>

        </thead>

        <tbody>

            <tr>

                <th scope="row">1</th>

                <td>Mark</td>

                <td>Otto</td>

                <td>@mdo</td>

            </tr>

            <tr>

                <th scope="row">2</th>

                <td>Jacob</td>

                <td>Thornton</td>

                <td>@fat</td>

            </tr>

            <tr>

                <th scope="row">3</th>

                <td colspan="2">Larry the Bird</td>

                <td>@twitter</td>

            </tr>

        </tbody>

    </table>

</body>

</html>

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ANALISA :

Percobaan 3.3: Tabel (Tambahan)

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Contoh Tabel</title>

  <!-- Link ke file CSS Anda jika ada -->

  <link rel="stylesheet" href="styles.css">

</head>

<body>

<table class="table table-primary">

  <thead>

    <tr>

      <th scope="col">#</th>

      <th scope="col">First</th>

      <th scope="col">Last</th>

      <th scope="col">Handle</th>

    </tr>

  </thead>

  <tbody>

    <tr class="table-primary">

      <th scope="row">1</th>

      <td class="table-primary">Mark</td>

      <td class="table-primary">Otto</td>

      <td class="table-primary">@mdo</td>

    </tr>

    <tr class="table-primary">

      <th scope="row">2</th>

      <td class="table-primary">Jacob</td>

      <td class="table-primary">Thornton</td>

      <td class="table-primary">@fat</td>

    </tr>

    <tr class="table-primary">

      <th scope="row">3</th>

      <td colspan="2" class="table-primary">Larry the Bird</td>

      <td class="table-primary">@twitter</td>

    </tr>

  </tbody>

</table>

</body>

</html>

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Percobaan 4: Components

Percobaan 4.1: Accordion

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <div class="accordion" id="accordionExample">

        <div class="accordion-item">

            <h2 class="accordion-header">

                <button class="accordion-button" type="button" data-bs-toggle="collapse" data-bs-target="#collapseOne"

                    aria-expanded="true" aria-controls="collapseOne">

                    Accordion Item #1

                </button>

            </h2>

            <div id="collapseOne" class="accordion-collapse collapse show" data-bs-parent="#accordionExample">

                <div class="accordion-body">

                    <strong>Item 1</strong>: konten

                </div>

            </div>

        </div>

        <div class="accordion-item">

            <h2 class="accordion-header">

                <button class="accordion-button collapsed" type="button" data-bs-toggle="collapse"

                    data-bs-target="#collapseTwo" aria-expanded="false" aria-controls="collapseTwo">

                    Accordion Item #2

                </button>

            </h2>

            <div id="collapseTwo" class="accordion-collapse collapse" data-bs-parent="#accordionExample">

                <div class="accordion-body">

                    <strong>Item 2</strong>: konten

                </div>

            </div>

        </div>

        <div class="accordion-item">

            <h2 class="accordion-header">

                <button class="accordion-button collapsed" type="button" data-bs-toggle="collapse"

                    data-bs-target="#collapseThree" aria-expanded="false" aria- controls="collapseThree">

                    Accordion Item #3

                </button>

            </h2>

            <div id="collapseThree" class="accordion-collapse collapse" data-bs-parent="#accordionExample">

                <div class="accordion-body">

                    <strong>Item 3</strong>: konten

                </div>

            </div>

        </div>

    </div>

</body>

</html>

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ANALISA :

Percobaan 4.2: Alert

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <div class="alert alert-primary" role="alert">

        A simple primary alert—check it out!

    </div>

    <div class="alert alert-secondary" role="alert">

        A simple secondary alert—check it out!

    </div>

    <div class="alert alert-success" role="alert">

        A simple success alert—check it out!

    </div>

    <div class="alert alert-danger" role="alert">

        A simple danger alert—check it out!

    </div>

    <div class="alert alert-warning" role="alert">

        A simple warning alert—check it out!

    </div>

    <div class="alert alert-info" role="alert">

        A simple info alert—check it out!

    </div>

    <div class="alert alert-light" role="alert">

        A simple light alert—check it out!

    </div>

    <div class="alert alert-dark" role="alert">

        A simple dark alert—check it out!

    </div>

</body>

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ANALISA :

Percobaan 4.3: Button

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <button type="button" class="btn btn-primary">Primary</button>

    <button type="button" class="btn btn-secondary">Secondary</button>

    <button type="button" class="btn btn-success">Success</button>

    <button type="button" class="btn btn-danger">Danger</button>

    <button type="button" class="btn btn-warning">Warning</button>

    <button type="button" class="btn btn-info">Info</button>

    <button type="button" class="btn btn-light">Light</button>

    <button type="button" class="btn btn-dark">Dark</button>

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

</body>

</html>

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ANALISA :

Percobaan 4.4: Card

<!doctype html>

<html lang="en">

<head>

<meta charset="utf-8">

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

<title>Bootstrap demo</title>

</head>

<body>

<h1>Hello, world!</h1>

<div class="card" style="width: 18rem;">

    <img src="..." class="card-img-top" alt="...">

    <div class="card-body">

        <h5 class="card-title">Card title</h5>

        <p class="card-text">Some quick example text to build on the card title and make up

            the bulk of the card's content.</p>

        <a href="#" class="btn btn-primary">Go somewhere</a>

    </div>

</div>

</body>

</html>

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ANALISA :

Percobaan 4.5: Modal

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

</head>

<body>

    <h1>Hello, world!</h1>

    <!-- Button trigger modal -->

    <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#exampleModal">

        Launch demo modal

    </button>

    <!-- Modal -->

    <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">

        <div class="modal-dialog">

            <div class="modal-content">

                <div class="modal-header">

                    <h1 class="modal-title fs-5" id="exampleModalLabel">Modal title</h1>

                    <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>

                </div>

                <div class="modal-body">

                    ...

                </div>

                <div class="modal-footer">

                    <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>

                    <button type="button" class="btn btn-primary">Save changes</button>

                </div>

            </div>

        </div>

    </div>

</body>

</html>

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ANALISA :

Percobaan 5: Bootstrap icon

<!doctype html>

<html lang="en">

<head>

    <meta charset="utf-8">

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

    <title>Bootstrap demo</title>

    <!-- Bootstrap CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">

    <!-- Bootstrap Icons CSS -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap-icons/font/bootstrap-icons.css" rel="stylesheet">

</head>

<body>

    <h1>Hello, world!</h1>

    <!-- Button trigger modal with icon -->

    <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#exampleModal">

        <i class="bi bi-info-circle"></i> Launch demo modal

    </button>

    <!-- Modal -->

    <div class="modal fade" id="exampleModal" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">

        <div class="modal-dialog">

            <div class="modal-content">

                <div class="modal-header">

                    <h1 class="modal-title fs-5" id="exampleModalLabel">Modal title</h1>

                    <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>

                </div>

                <div class="modal-body">

                    ...

                </div>

                <div class="modal-footer">

                    <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>

                    <button type="button" class="btn btn-primary">Save changes</button>

                </div>

            </div>

        </div>

    </div>

    <!-- Bootstrap Bundle with Popper -->

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

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***TUGAS***