



**WEB BASED INTERFACE DESIGN  
(CSF3133)**

**Lab Report 4**

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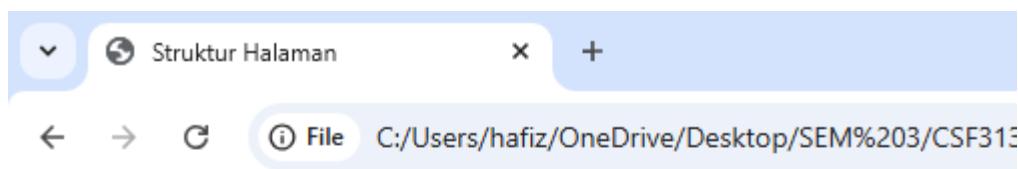
Matric : S75659

Date : 12 November 2025

Group : K4

Programme : Computer Science (Software Engineering)

## 4.2 Page Structure Elements



Ini adalah header. Gambar juga boleh diletakkan di sini.

**Ini adalah seksyen 1.**

**Ini adalah seksyen 2.**

**Ini adalah seksyen 3.**

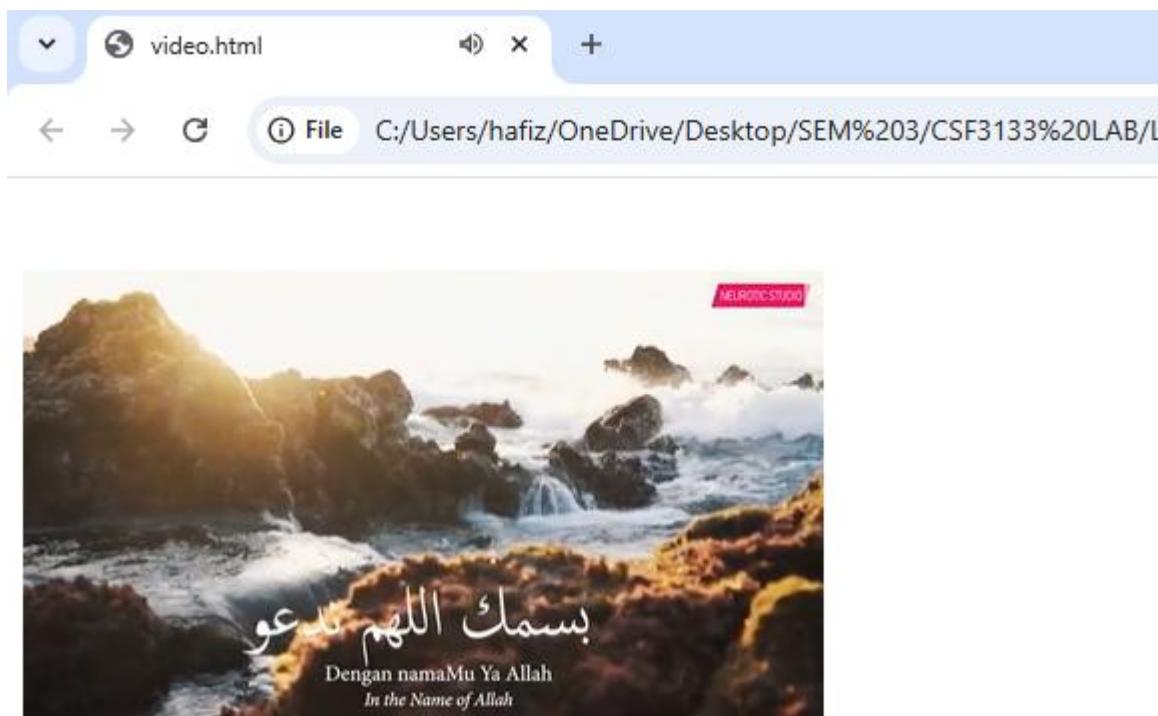
Berikut adalah contoh penggunaan meter:



© Hakcipta terpelihara.

*Hubungi kami di [s75659@umt.edu.my](mailto:s75659@umt.edu.my) > email saya*

## 4.3 Insert Video into HTML5 Document



## 4.4 Cascading Style Sheets

3%20LAB/Lab%20Week%204/stail.html

Hello UMT

## 4.5 Recognize ID and Selector Class

```
<html>
  <head>
    <style type="text/css">
      #Part1{
        text-align: center;
        color: red;
      }
    </style>
  </head>
  <body>
    <p id="Part1">Hello UMT!</p>
  </body>
</html>
```

3%20LAB/Lab%20Week%204/staillD.html

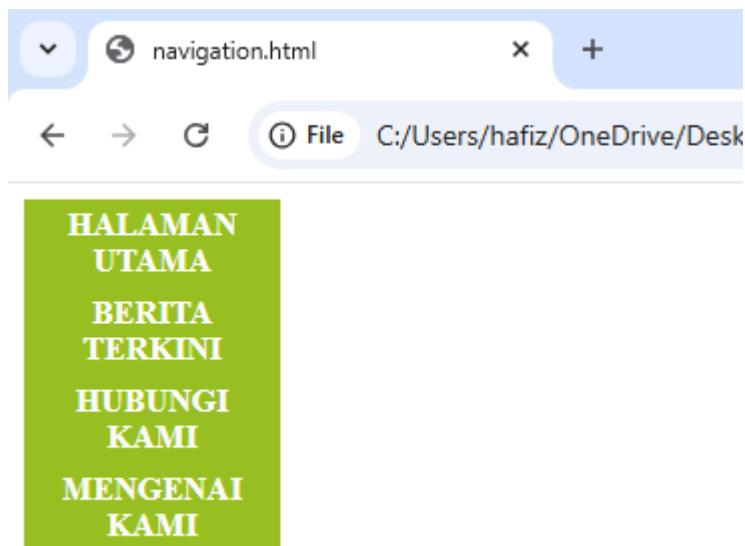
Hello UMT!

)4/Class.html

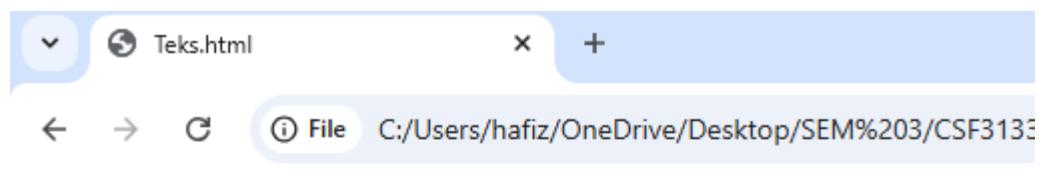
# Tajuk

Perenggan

## 4.6 Navigation Bar using CSS



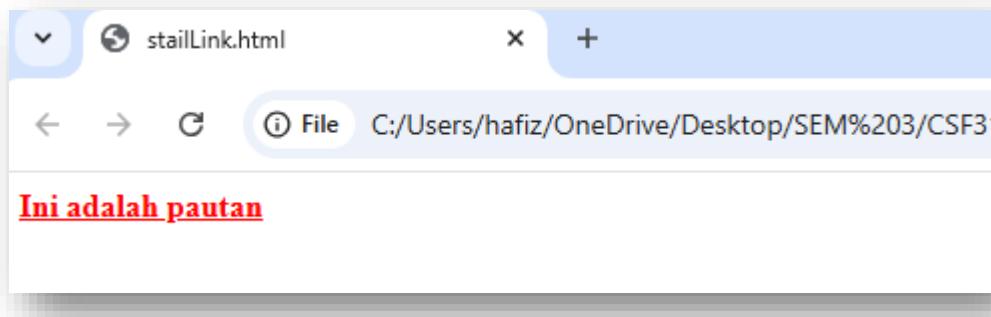
## 4.7 Recognizing Text Decoration



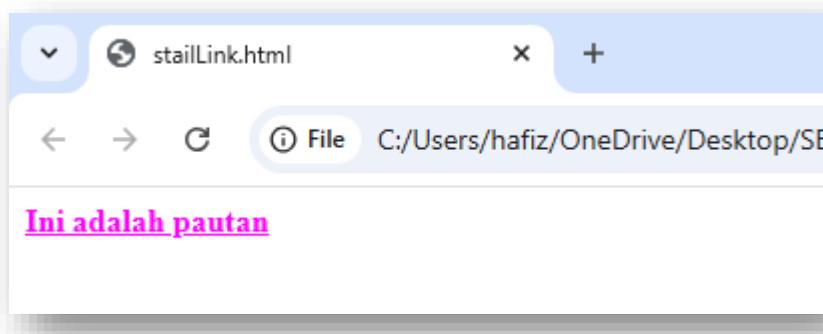
**Note:** The "blink" value is not supported in IE, Chrome, or Safari

## 4.8 Recognizing Styling Links

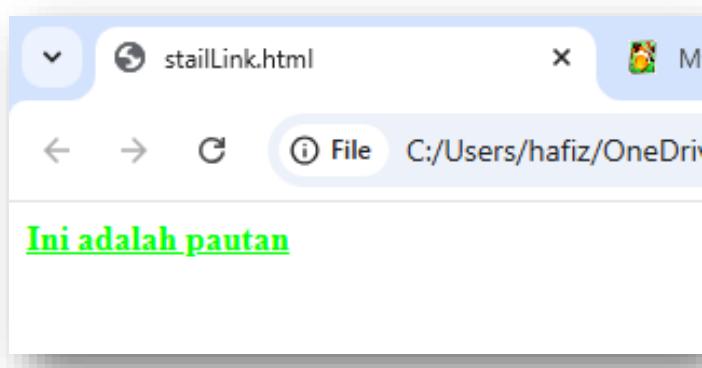
Unvisited link :



Mouse over link :



Visited link :



## 4.9 Lab Exercise 4

In this exercise, you will build a functional webpage that integrates various HTML5 and CSS concepts. You will apply semantic HTML5 elements to structure content effectively, incorporate embedded media for enhanced interactivity, and use CSS to create a visually appealing design.

This lab aims to reinforce your understanding of modern web development principles while improving your ability to design professional and user-friendly webpages. By the end of this task, you will have a well-structured and styled webpage that demonstrates your ability to combine HTML5 and CSS effectively.

### 4.9.1 Building a Responsive Webpage with HTML5 and CSS

#### Instruction

##### 1. Create the HTML File:

- Name the file lab4.html.

##### 2. Define the Structure:

- Use semantic HTML5 elements such as `<header>`, `<nav>`, `<section>`, `<article>`, and `<footer>` to structure your webpage.
- Create a navigation bar using an unordered list styled with CSS. Include links to various sections of the page.

##### 3. Insert Media

- Embed a video in one section of the webpage.
- Ensure the video is properly captioned and fits the design of your page.

##### 4. Apply CSS Styling

- Use both internal and external CSS to style the page.
- Apply text decoration to headings and links using CSS properties such as `text-decoration`: underline, overline, line-through, and others.
- Create a responsive design by styling your links for various states (`:hover`, `:visited`, `:active`).

##### 5. Interactive Elements

- Include a form with the following fields:
  - Name (Text Input)
  - Email (Text Input)
  - Gender (Radio Buttons)
  - Favorite Hobbies (Checkboxes)
  - Submit Button
- Style the form using CSS.

## Coding

```
C: > Users > hafiz > OneDrive > Desktop > SEM 3 > CSF3133 LAB > Lab Week 4 > lab4.html > html >
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Lab 4 Webpage</title>
7       <link rel="stylesheet" href="style.css">
8       <style>
9
10      body {
11        font-family: Arial, sans-serif;
12        margin: 0;
13        background-color: #f4f4f4;
14      }
15
16      header {
17        background: #333;
18        color: white;
19        padding: 1rem;
20        text-align: center;
21      }
22
23      nav ul {
24        list-style: none;
25        margin: 0;
26        padding: 0;
27        background: #444;
28        overflow: hidden;
29        display: flex;
30        justify-content: center;
31      }
32
33      nav ul li {
34        margin: 0 10px;
35      }
36
37      nav ul li a {
38        display: block;
39        padding: 10px 20px;
40        color: white;
41        text-decoration: none;
42        border-radius: 4px;
43      }
```

```
nav ul li a:hover {  
    background: #c5c0bd;  
}  
  
section {  
    padding: 20px;  
    background: white;  
    margin: 20px;  
    border-radius: 10px;  
}  
  
video {  
    width: 100%;  
    max-width: 600px;  
    border-radius: 10px;  
    display: block;  
    margin: 0 auto;  
}  
  
form {  
    display: flex;  
    flex-direction: column;  
    gap: 10px;  
    max-width: 400px;  
    margin: 20px auto;  
    padding: 20px;  
    background: #fafafa;  
    border-radius: 10px;  
    box-shadow: 0 0 10px rgba(0,0,0,0.1);  
}  
  
input, select, button {  
    padding: 10px;  
    font-size: 1em;  
}
```

```

1  footer {
2      background: #333;
3      color: white;
4      text-align: center;
5      padding: 10px;
6  }
7
8  /* Link states */
9  a:link { color: #FF0000; }
0  a:visited { color: #00FF00; }
1  a:hover { color: #FF00FF; }
2  a:active { color: #0000FF; }
3
4  </style>
5  </head>
6  <body>
7
8  <header>
9      <h1>Welcome to My New Webpage</h1>
0  </header>
1
2  <nav>
3      <ul>
4          <li><a href="#home">Home</a></li>
5          <li><a href="#media">Media</a></li>
6          <li><a href="#form">Contact</a></li>
7      </ul>
8  </nav>
9
0  <section id="home">
1      <article>
2          <h2>About This Page</h2>
3          <p>This webpage demonstrates HTML5 structure, CSS styling, and form interaction.</p>
4      </article>
5  </section>

```

```

<section id="media">
    <h2>Embedded Video</h2>
    <video controls>
        <source src="C:\Users\hafiz\Downloads\ZIKIR PAGI DAN PETANG.mp4" type="video/mp4">
        Your browser does not support HTML5 video.
    </video>
    <p style="text-align:center;"><em>Caption: Example of an embedded video element.</em></p>
</section>

<section id="form">
    <h2>Contact Form</h2>
    <form>
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>

        <label>Gender:</label>
        <input type="radio" name="gender" value="male"> Male
        <input type="radio" name="gender" value="female"> Female

        <label>Hobbies:</label>
        <input type="checkbox" name="hobby" value="reading"> Reading
        <input type="checkbox" name="hobby" value="sports"> Sports
        <input type="checkbox" name="hobby" value="music"> Music

        <button type="submit">Submit</button>
    </form>
</section>

<footer>
    <p>&copy; 2025 Iman Hafizi</p>
</footer>

```

</body>  
</html>

## Output

The screenshot shows a Microsoft Edge browser window with the title "Lab 4 Webpage". The address bar displays the path: C:/Users/hafiz/OneDrive/Desktop/SEM%203/CSF3133%20LAB/Lab%20Week%204/lab4.html?nam... . The webpage itself has a dark header with the text "Welcome to My New Webpage". Below the header is a navigation bar with three items: "Home" (highlighted in green), "Media", and "Contact". The main content area contains two sections: "About This Page" and "Embedded Video". The "About This Page" section includes a brief description: "This webpage demonstrates HTML5 structure, CSS styling, and form interaction as part of Lab 4 exercise." The "Embedded Video" section features a video player with a thumbnail of a coastal sunset, a play button, a progress bar showing 0:00 / 2:49, a volume icon, and a caption in Arabic: "بسمك اللهم ندعوك". Below the video, the caption reads: "Caption: Example of an embedded video element."

**Welcome to My New Webpage**

Home Media Contact

**About This Page**

This webpage demonstrates HTML5 structure, CSS styling, and form interaction as part of Lab 4 exercise.

**Embedded Video**

0:00 / 2:49

Dengan namaMu Ya Allah

بسمك اللهم ندعوك

Caption: Example of an embedded video element.

## Contact Form

Name:

Email:

Gender:

Male

Female

Hobbies:

Reading

Sports

Music

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