**Quiz 1 Report 23 September 2025**

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**Class: Webpro D**

1. **Design Concept and Structure**

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| **Structure** |
| └── /quiz1  ├── index.html # Ini adalah Homepage Anda  ├── /profile  │ └── index.html # Halaman Profile  ├── /hometown  │ └── index.html # Halaman Hometown  ├── /food  │ └── index.html # Halaman Makanan Lokal  ├── /tourist  │ └── index.html # Halaman Tempat Wisata  │  ├── /assets  ├── css  │ └── style.css  ├── /js  │ └── script.js  └── /images  └── ... |

1. **Screenshot and Documentation**

Screenshot given are not in proper zoom level to capture its page entirety

1. **Landing Page**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**

1. **Profile Page**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a video game

AI-generated content may be incorrect.**

**A screenshot of a phone

AI-generated content may be incorrect. A screenshot of a computer

AI-generated content may be incorrect.**

1. **Tourist/Hometown/Food Page**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a video game

AI-generated content may be incorrect.**

**A screenshot of a phone

AI-generated content may be incorrect.** **A screenshot of a phone

AI-generated content may be incorrect.**

For the hometown/tourist/food page I adopted a blog/article style to accommodate the paragraph, and a slideshow to give some preview

1. **Code Explanation**

Code explanation will be divided for each feature:

1. **Dark Mode Implementation**

I defined two sets of color pallete to accommodate each mode, being the light mode as the default

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| **CSS Dark Mode** |
| /\* assets/css/style.css \*/  /\* Default Light Theme Variables \*/  :root {  --bg-color: #f8f9fa;  --text-color: #212529;  --card-bg-color: #ffffff;  }  /\* Dark Theme Overrides \*/  body.dark-mode {  --bg-color: #121212;  --text-color: #e0e0e0;  --card-bg-color: #1e1e1e;  }  /\* Usage Example \*/  body {  background-color: var(--bg-color);  color: var(--text-color);  } |

Implementing dark or light mode

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| **JS** |
| // assets/js/script.js  const darkModeToggle = document.getElementById('darkModeToggle');  // Function to apply the dark theme  const enableDarkMode = () => {  document.body.classList.add('dark-mode');  localStorage.setItem('theme', 'dark'); // Save choice  }  // Function to apply the light theme  const disableDarkMode = () => {  document.body.classList.remove('dark-mode');  localStorage.setItem('theme', 'light'); // Save choice  }  // 1. Check for a saved theme when the page loads  const currentTheme = localStorage.getItem('theme');  if (currentTheme === 'dark') {  enableDarkMode();  }  // 2. Listen for clicks on the toggle button  darkModeToggle.addEventListener('click', () => {  if (document.body.classList.contains('dark-mode')) {  disableDarkMode();  } else {  enableDarkMode();  }  }); |

**localStorage**: This browser feature allows us to store simple data (like the string "dark" or "light") that persists even after the browser is closed.

**On Page Load**: The script first checks localStorage for a saved 'theme'. If it finds 'dark', it immediately applies the dark mode class.

**On Click**: When the toggle is clicked, the script adds or removes the .dark-mode class and updates the value in localStorage accordingly.

1. **Dynamic Slideshow**

The slideshow allows for an interactive display of multiple images or videos with navigation controls.

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| JS |
| // assets/js/script.js  let slideIndex = 1; // Start with the first slide  showSlides(slideIndex); // Show the initial slide  // Called by the arrow buttons (onclick="plusSlides(-1)")  function plusSlides(n) {  showSlides(slideIndex += n);  }  function showSlides(n) {  let slides = document.getElementsByClassName("mySlides");  // Loop back to the start or end if necessary  if (n > slides.length) { slideIndex = 1 }  if (n < 1) { slideIndex = slides.length }  // 1. Hide all slides and pause all videos  for (let i = 0; i < slides.length; i++) {  slides[i].style.display = "none";  let video = slides[i].querySelector('video');  if (video) video.pause();  }  // 2. Show the active slide and play its video  slides[slideIndex - 1].style.display = "block";  let activeVideo = slides[slideIndex - 1].querySelector('video');  if (activeVideo) activeVideo.play();  } |

**slideIndex**: This variable acts as the "state" of our slideshow, always knowing which slide should be visible.

**showSlides(n)**: This is the main engine. It first hides all slides to reset the view. For the video slideshow, it also crucially **pauses all videos**. It then displays only the target slide and, if that slide contains a video, **plays it**.

1. **Blog-style Header**

This layout creates a modern, dynamic look where the profile picture overlaps the banner and the main content.

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| CSS |
| /\* assets/css/style.css \*/  /\* 1. The Parent Container \*/  .blog-header {  position: relative; /\* Creates a positioning "context" or "playground" \*/  }  /\* 2. The Child Element to be Positioned \*/  .profile-image {  position: absolute; /\* Lifts the image out of the normal flow \*/  z-index: 10; /\* Ensures the image is on top of other elements \*/    /\* Positioning the image \*/  left: 50%;  transform: translateX(-50%); /\* This combination perfectly centers the element \*/  top: 180px; /\* Pushes the image down from the top of .blog-header \*/  } |

1. **Navigation Bar**

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| HTML |
| <nav class="navbar navbar-expand-lg navbar-dark bg-dark shadow-sm">  <div class="container">  <a class="navbar-brand" href="/quiz1/">Kemal Rajasa</a>  <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">  <span class="navbar-toggler-icon"></span>  </button>  <div class="collapse navbar-collapse" id="navbarNav">  <ul class="navbar-nav ms-auto">  </ul>  </div>  </div>  </nav>  The navbar code used component from bootstrap framework to make it responsive |

1. Responsive web design
2. Bootstrap grid system

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| HTML |
| <div class="col-md-4">  </div> |

1. The viewport meta tag

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

1. Fluid Image

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| CSS |
| .card-img-top {  width: 100%;  height: 200px;  object-fit: cover;  } |

1. **Analysis or Evaluation**

Evaluation will be divided into 3 aspects which are design, feature, and security.

1. **Design**

Design concepts were not designed properly on a software such as figma, since it’s a static and meant to be a blog about hometown, food, tourism, and about me. Im adopting a blog or article style so it could accommodate many texts.

1. **Feature**

Features are very limited because i only accommodate for some text heavy blog or article which are dark mode for preferences and slideshow for a preview about what Im writing and can’t think much for additional features. On a note I could implement google map’s location about detailed food recommendations and add a comment feature so visitors could discuss my food and tourism recommendations.

1. **Security**

Security is the main issue, first of all I don’t implement SSL nor TLS into my website so visitors are using HTTPS connection instead of HTTP, there are no login or register since this is a personal website but its still a must to conduct a security issue. There were also no upload file or submit file included, so its not prone to Unauthorized File Upload, but its still prone to some vulnerabilities such as directory listing, man in the middle, and some network level vulnerability since I don’t implement SSL nor TLS.

1. **Conclusion**

Conclusion that I got is there are several keys for web developing, some of which are responsive design, production and version control techniques with git, and frameworks. There are many rooms for improvement such as dynamic design, more stylish CSS technique, design rules (e.g. golden ratio), proper color pallet, security hardening and much more.