

TIJDESSA, Vol 4 (No 2), 2023, Page 09-13

p-ISSN: 2581-2904,

e-ISSN: 2581-2912 DOI: 10.26418/tijdessa.v4i2.41

TANJUNGPURA INTERNATIONAL JOURNAL ON DYNAMICS ECONOMIC, SOCIAL SCIENCES AND AGRIBUSINESS

<http://tijdessa.untan.ac.id/>

Making a Website Using HTML and CSS for SMK Students

Muhammad Annafri¹, Arif Bijaksana Putra N², Heri Priyanto³, Yulianti⁴,

Helen Sasty Pratiwi⁵, Niken Candraningrum⁶

¹Tanjungpura University Informatic Student

²³⁴⁵⁶Tanjungpura University

Abstract: In today's digital era, one of the education that is taught a lot is about the website, a means to get information. In making a fundamental web, there are 4 important that must be mastered including Hyper Text Markup Language (HTML), Cascade Style Sheets (CSS), Hypertext Preprocessor programming language (PHP) and database management system / DBMS (MySQL). HTML and CSS have a close relationship where HTML is a markup language (site foundation) and CSS fixes style (for all aspects related to the appearance of the website) so that these two programming languages must go hand in hand. SMK N 1 Sungai Raya Kepulauan, is one of the favorite SMKs in the Sungai Raya Kepulauan region where the expertise programs possessed are mostly knowledge related to technology, namely Computer and Network Engineering (TKJ) and Software Engineering (RPL) so that students requires in-depth knowledge of technology, especially in terms of Web Programming so that this knowledge can be useful for students in the world of work.

Keywords: Website, HTML, CSS

Introduction

Hyper Text Markup Language (HTML) is a markup language. Markup language is a language in which the author adds rules to the text. These rules tell the computer how to display the text enclosed in these rules. HTML is also a basic language for web scripting which is client side which is used to display information in the form of text, graphics and multimedia and is also used to connect between web page displays (Sovia et al., 2011). Cascading Style Sheets (CSS) is a technology used to apply styles or patterns to HTML pages. CSS files are text files that contain rules for how browsers display HTML elements. A rule consists of a selector that indicates which element you want to set the appearance of and a declaration that describes what style you want to use. The declaration consists of properties and values (James, 2009). HTML and CSS have a close relationship where HTML is a markup language (site foundation) and CSS fixes style (for all aspects related to the appearance of the website) so that these two programming languages must go hand in hand. The PHP programming language is useful for creating and developing a website and is used together with the markup language (HTML). A web requires a database server to accommodate various kinds of information, one of the database servers that is widely used is MySQL where MySQL is a database that uses basic SQL commands.

SMK N 1 Sungai Raya Kepulauan, Bengkayang Regency, West Kalimantan is one of the favorite SMKs in the Sungai Raya Islands area where the expertise programs are mostly knowledge related to technology, namely Computer and Network Engineering (TKJ) and Software Engineering (RPL) so that students need in-depth knowledge of technology, especially in terms of Web Programming so that this knowledge can be useful for students in the world of work.

Literature Review

a. Website

According to Jovan (2007:1) "Websites are a medium for conveying information on the internet" in the form of text, data, still or moving images, animated data, sound, video or a combination of all of them, whether static or not dynamic, which forms a series of interrelated buildings where each is connected by a network of pages or hyperlinks. The website is a collection of various kinds of site pages that are summarized on in a domain or also a sub domain that is more in place WWW (World Wide Web) which of course is on the internet. Page Websites are usually in the form of documents written in HTML (HyperText Markup Language) that can be accessed via HTTP (which protocol convey various information from the website server to be displayed to users or users through the browser.

b. Web Browser

Web browser (Kasiman, 2006) is a program to display page in the form of HTML code. All website pages are written in HTML language (Hypertext Mark Up Language). Although some files have different extensions (example: .HTML, .php, .php3) output files are fixed HTML. HTML is the medium that is always delivered to either web browser the page is a static page, a script (like PHP), or something created by a CGI (Common Gateway Interface) program.

b. HTML

Hypertext Markup Language (HTML) is a standard programming language used to create a web page, which can then be accessed to display various information in an internet web browser. HTML functions to manage a series of data and information so that a document can be accessed and displayed on the internet through web services.

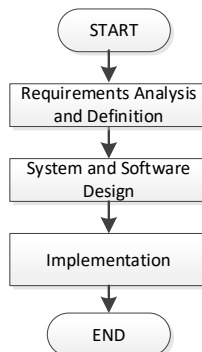
c. CSS

According to Bunafit Nugroho (2013:1), Cascading Style Sheet is language style sheet that is used to set the appearance of a written document in markup language. CSS works as a complement to HTML elements all of that can be controlled by using by using a CSS scripting language. The use of CSS is done to expand HTML capabilities in formatting website documents or to beautify them website view. Writing CSS code is inserted in HTML not. CSS code is written without `<style>` and `</style>` by defining a new style then it can be used repeatedly.

Methods

The research methodology is as follows:

Figure 1. **Methods**



This research methodology begins with requirements analysis and definition, System services, constraints, and goals are determined by the results of consultation with users which are then defined in detail and function as system specifications. after the requirements analysis is done, the next step is to design the software. The system design stage allocates system requirements both hardware and software by establishing the overall system architecture. Software design involves identifying and describing the basic system abstractions of the software and their relationships. software design is realized as a series of programs or program units. Can be seen in figure 1

Findings

The solution offered to the problems encountered is to provide training on creating a Web using HTML and CSS to students of SMK N 1 in Sungai Raya Kepulauan District, so that students have the provision to be able to compete in the world of work along with technological developments.

The training material is tailored to the competencies expected of students at SMK N 1 Sungai Raya Kepulauan Bengkayang Regency, West Kalimantan. Material on making the Web using HTML and CSS is structured to provide an overview for students so they can build a simple website that can be useful in supporting education and when they are in the world of work. Some of the material provided is prepared in the form of modules, namely:

a. Material About HTML

This material about HTML covers some Basic Theory about HTML such as:

1. Chapter 1 : Basic HTML (HTML Tags, HTML Elements, HTML Attributes)
2. Chapter 2 : Heading
3. Chapter 3 : Paragraph
4. Chapter 4 : Format Text
5. Chapter 5 : HTML tables
6. Chapter 6 : HTML List
7. Chapter 7 : HTML Forms
8. Chapter 8 : HTML Images
9. Chapter 9 : HTML Grouping

b. Material about CSS

This material about CSS includes some Basic Theory about CSS such as:

1. Chapter 1 : Property Color
2. Chapter 2 : Text Properties
3. Chapter 3 : CSS Selectors
4. Chapter 4 : CSS Box Model
5. Chapter 5 : Position

Conclusion

This research activity can be carried out properly starting from knowledge of HTML and CSS, the components owned by HTML and CSS that can be used in building attractive websites as well as direct practice carried out by SMK students in Sungai Raya Kepulauan. This research is also expected to provide benefits to vocational students to be able to improve their abilities in the field of information and communication technology.

References

- Sovia, ini, dan Jimmy Febio. 2011. Membangun Aplikasi E-Library Menggunakan HTML, PHP SCRIPT, dan MYSQL Database. *Jurnal Processor*, VI(2), 54-38
- Brannan, James A. 2009. *Briliant HTML and CSS*. United Kingdom: Pearson
- Jovan. 2007. *Panduan Praktis Membuat Web dengan PHP untuk Pemula*. Jakarta : Mediakita.
- Peranginangin, Kasiman. 2006. *Aplikasi WEB dengan PHP dan MySQL*, Yogyakarta: Andi.
- Nugroho, Bunafit. 2013. *Dasar Pemograman Web PHP – MySQL dengan Dreamweaver*. Yogyakarta : Gava Media