

CHAPTER I

INTRODUCTION

A. Background Study

The digital revolution has become essential for the switch from analog computation to digital technology in many fields. Modern advancements in information and communication technology (ICT) play a crucial role in our personal, social, and professional lives including in education. According to Wibowo, the advancement of information and communication technology has significantly transformed the field of education. As technology advances in the era of globalization, there is a growing emphasis on technological development to promote innovation and creativity in education, which supports continuous improvement in educational practices.¹ Technology is essential for facilitating the teaching and learning process between teachers and students more informative, creative, and innovative because learning and teaching in the classroom must be enjoyable and fun.

In preliminary research discovered that the lecture method still uses in classroom learning environments, and

¹ Eko Wahyu Wibowo, 'Analisis Efektivitas Penggunaan E-Learning Berbasis Efront Untuk Meningkatkan Kompetensi Belajar Mahasiswa', *Primary: Jurnal Keilmuan Dan Kependidikan Dasar*, 7.2 (2015), 237.

printed materials like student worksheets and Department-published books are only media used. The split learning times (morning and afternoon) and the ineffectiveness of classroom media create several obstacles for students, such as insufficient learning time and limited funds to choose alternative learning media. After that, learners are difficult to remember and understand tense. Therefore, students need educational resources that are accessible anytime and anywhere, without time limitations.

The limited educational resources that only focus on teachers and student worksheets are an obstacle in learning and become monotonous and unattractive for students.

The learning method where the teacher is the only source of language input makes students bored with learning English. In conclusion, common learning obstacles include the lack of engaging media and limited learning time, which make learning becomes boring and the material less effective.

Handayani, Salija & Amirullah state Grammar is one aspect of language that is studied in all languages. In simple terms, grammar is the learning of how to form words into grammatically correct sentences. If someone understands grammar, they will be confident and fluent in speaking English. Furthermore, grammar has many topics that must be learnt. One of the topics in grammar is tense. Tense represent verb forms that indicate the time and level of completion of an

action or situation. Lock states that tense is important form in the structure of a sentence and people can determine when the sentence's events occurred by using the tense. Moreover, the abundance of tenses rules to memorize adds to the challenge. Many students find memorizing these rules particularly tough. Learning using website is more interested because can be used in everywhere and everytime and also can access it through internet using smartphone or laptop.

Agusta, Sukarna, and Tutik agree that using websites in learning saves time, money, and energy because they are easily accessible and faster than traditional methods focused on teachers and books.² On the other hand, Mahmudah states that web-based learning media is suitable for supporting independent learning, especially in English.³

There are some studies related on use web-based media for learning. First research from Suriaman, this research use web-based media for listening instruction using students' needs. The second from Fiqri emphasizes the importance of websites as supportive tools for teaching and learning, particularly in enhancing students' speaking skills and fostering their interest in accessing information anytime,

² Ines Agusta, I Made Sukarna, and Regina Tutik, 'Pengembangan Media Pembelajaran Website Bilingual "Close To Radioactivity" Sebagai Sumber Belajar Mandiri Untuk Siswa SMA/MA', 3.

³ Nurlailiana Mahmudah, R Ati Sukmawati, and Asdini Sari, 'Pengembangan Media Pembelajaran Interaktif Berbasis Web Pada Materi Lingkaran Kelas Viii Dengan Metode Drill and Practice', *Computer Science Education Journal (CSEJ)*, 3.1 (2023), 45.

anywhere. This study focuses on how web-based media helps students learn speaking skills. Last, research from As'ary, Rossydi and Masita is web-based learning media in English courses at Politeknik Penerbangan Makassar.

Afterwards, based on previous studies above can be concluded that one study focus on speaking skill and two other focus on general English. Furthermore, based on the findings in preliminary research, learning only uses worksheet media and books have limitations such as the material in the worksheet is different from the book provided by the school. Also, learning only focuses on the teacher makes learning boring and uninteresting. There are difficulties for students in remember and understand tense learning and the limitations of learning time in school. Based on this, research was carried out on designing a website as a learning media for English tenses, which can be accessed anywhere and anytime.

B. Identification of Problem

Based on the explanation of background study above, identification of problem are following below :

1. Limited technology-based media in learning at school
2. Students are limited by time in learning at school
3. Flexible and easy-to-use media is needed

C. Research Question

Based on the identification and problem definition above, researcher formulated research question such as:

1. How is the process of designing a web-based media for learning English tenses?
2. How is the feasibility the web-based media for learning English tenses?
3. How is the effectiveness of using website in learning English tenses?

D. The Objective of the Study

The objective of study based on the research question above are:

1. To find out how to process of designing a web-based media for learning English tenses until the product is ready to use
2. To find out feasibility the web-based media for learning English tenses
3. To find out the effectiveness of using website in learning English tenses for ninth grade at SMPN 13 Cilegon

E. Specification of the Product

The product specification in this study is website for learning English tenses. The following are the product specification:

1. The website same as e-learning

2. The material and exercise on this website must have the main material for learning English Tense based on curriculum.
3. The researcher build a simple attractive display
4. The website is made use Visual Studio Code with PHP, HTML, CSS code.
5. The menu of the website consist of home, material, video, forum and test pages.
6. The arrangement of the website must pay attention on attractive and simple display, easy to use, easy language, and can open anywhere as long as connected to the internet, compatible in smartphone and desktop.

F. Significances of The Study

Theoretically, this study are expected to be valuable in learning English, especially in learning tenses. Practically, this study will be helpful for :

1. For Educators

This study is expected to provide teachers with a variety of learning media options. So that the learning process is more engaging and can motivate and stimulate students to participate in their learning.

2. Students

This study is expected to provide a way for students to become more involved in their learning. Furthermore,

website-based learning is expected to make it easier for students to access and comprehend learning material.

3. For Additional Researchers

The findings of this study can be used as a reference and to learn more about Web-Based Learning Media.

G. The Assumption and Delimitation of The Research

The researcher has assumption in designing web-based media for learning English Tense that the website used for students as a media for learning English Tense and can help them to learning anywhere and anytime.

The researcher has several delimitation in designing web-based media for learning English Tense, such as :

1. The website only provide material about English Tenses
2. The website only provide material in the form text and video
3. Researcher's knowledge limitation of designing the media