

CHAPTER I

INTRODUCTION

A. Background of Study

Grammar is a foundational aspect of language proficiency, essential for clear and effective communication. Accurate grammar usage is critical for both written and spoken language, influencing comprehension, credibility, and the overall quality of communication. In the digital age, Artificial Intelligence (AI) has emerged as a powerful tool for enhancing language learning and writing skills, particularly in the realm of grammar correction and sentence arrangement. According to Debata (2013) Grammar is the field of study that focuses on words and their interactions, serving as an intangible influence that directs our construction of sentences. Individuals who engage in communication using a certain language, whether intentionally or unintentionally, develop an understanding of the grammatical rules associated with that language.

Grammar correction is crucial for language acquisition and effective communication, as stated by Rossiter (2021) “If we imagine language as a big highway, the words are the cars and trucks, but the grammar is the road signs and markings that tell people driving on it where to go and how to drive. Without road signs, a big highway would quickly descend into total confusion.” Without grammar correction it means that the main points of what we write and speak will be ambiguous and have many misunderstood meanings. Especially in English Language Teaching, grammar is important for

conveying what the teacher try to deliver to the students. If the teacher doesn't know how to speak proper grammar and how to know what errors that are made by the students, it will be an ineffective teaching session.

Schmidt (1990) Noticing Hypothesis emphasizes that conscious awareness of linguistic forms is critical for language learning, and grammar correction prompts learners to notice and correct their errors. Theories that been said argues the importance of correct grammar in a coherence language competency and understandable daily communication.

As Allah Almighty said in Surah An-Nahl verse 125 which reads:

أَدْعُ إِلَى سَبِيلِ رَبِّكَ بِالْحُكْمَةِ وَالْمَوْعِظَةِ الْحَسَنَةِ وَجِدْ لَهُم
بِالَّتِي هِيَ أَحْسَنُ إِنَّ رَبَّكَ هُوَ أَعْلَمُ بِمَنْ ضَلَّ عَنْ سَبِيلِهِ ۗ وَهُوَ
أَعْلَمُ بِالْمُهْتَدِينَ ﴿١٢٥﴾

In an educational setting, human should invite others to be greater than they are, with studying and gathering knowledge that are beneficials for themselves and for others. Students often come across grammatical mistakes when they directly translate text, whether they are utilizing translation software, referring to dictionaries, or employing web tools like Google Translate.

Based on the researcher's findings, it appears that many students at UIN Antasari Banjarmasin continue to rely on tools like Google Translate and other unreliable resources to translate their writing projects. They replicate and insert whatever outcomes are furnished by the instruments they employ,

which typically leads to disorderly language and phrase patterns that lack coherence with one another. By acquiring the knowledge of utilizing websites mentioned in this research, that designed for grammar correction and understanding the advantages that come with using it appropriately for its original purpose, students can easily correct their writing projects by just using these websites and they can learn at which grammar errors points in their writing, so the students may learn from what mistakes they made.

According to study conducted by (Awalin et al., 2023) Students exhibit a high degree of confidence in AI-powered tools' grammar suggestions and corrections, which speaks to the reliability and effectiveness of these technologies. This confidence directly influences the frequency and manner in which students engage with these tools. The primary advantage highlighted by users is the capability of AI tools to prevent grammar errors, ensuring cleaner, more polished writing. This aspect of error prevention is invaluable, as it allows students to focus on content creation while relying on AI for linguistic accuracy.

To conduct a comprehensive analysis of AI-driven websites for grammar correction, the researcher will collect data on the use of these websites in grammar correction and their effectiveness in correcting sentences. This data will serve as an evaluation tool for teachers seeking to enhance their instructional methods using AI-driven grammar correction websites. Thus, the researcher will carry out a content analysis entitled “A COMPREHENSIVE ANALYSIS OF AI-DRIVEN WEBSITES FOR

GRAMMAR CORRECTION”

B. Definition of Key Terms

In order to prevent any misunderstanding of the title, the researcher provides clear definitions of the following crucial concepts in this study, aiming to facilitate the reader's comprehension:

1. Comprehensive Analysis

The term "comprehensive analysis" describes a thorough analysis of the different aspects of AI grammar correction websites mentioned in this research. This includes reviewing their overall effectiveness, accuracy, and user experience.

2. AI-Driven Websites

The term "AI-driven" refers to processes, systems, or products that are either powered or greatly enhanced by artificial intelligence (AI). AI-Driven websites mean a website that operates by the help of AI for it to operate, and give the needed benefits for the user. In this research the websites are used as an object to analyze on how to utilize it, how they can influence in grammar correction and how much it can be beneficial.

3. Grammar

Grammar by definition is the set of rules that explain how the whole system and structure of a language, in English it consists of Syntax, Morphology, Phonology, and Semantics. Grammar is one of

important thing in a language, because it can dictate as simply the meaning of a writing and speaking. Grammar for this study used as an object to know how effective the websites in correcting any grammatical errors.

4. AI for Grammar Correction

Many websites that are made by developers utilizing current technology, that are driven by Artificial Intelligence are available to use for grammar correction, especially for writing and translating. AI that will be researched by the researcher are ChatGPT, Grammarly, Quillbot, and ProWritingAid. These websites have the ability to do grammar correction with sophisticated algorithms and coding, it can provide many features for the user, available for free to whoever want to use them for checking any grammar errors in doing writing. The means of AI for Grammar Correction in this study is the main purpose of this research; by using AI to for grammar correction, the researcher will know the benefits in integrating technology with English language proficiency.

C. Research Questions

Given the context of the present investigation, the following research questions are posed in this study:

What are Artificial Intelligences (AI) websites that can be used on Grammar Correction?

D. Objective of Study

The researcher will address the following points in detail, based on the research question:

To explain Artificial Intelligence (AI) websites that can be used on Grammar Correction.

E. Significance of Study

This research offers benefits in the English grammar correction substantial theoretical knowledge. Teachers can boost their grammar efficacy and teaching creativity during the learning process by utilizing Artificial Intelligence (AI), technology, which is now being researched extensively and garnering public interest. Additionally, this research offers a better and clearer knowledge of Artificial Intelligence (AI), and how it helps students learn English. Any individual who engages in or contributes to education is expected to gain something from this research, particularly those who understand the significance of Artificial Intelligence (AI), in the acquisition of grammar process. These advantages are felt by:

1. For the Students

Students who intend to effectively enhance their grammar processing skills through the use of Artificial Intelligence (AI), support technologies will find this research to be highly beneficial.

2. For the Teachers

Teachers who want to become more creative and original in their

teaching will find this research to be very helpful. Teachers can offer a greater variety of lessons and have access to more of the newest and most advanced learning resources thanks to Artificial Intelligence (AI). In addition, teachers can employ Artificial Intelligence (AI) to provide more accurate feedback on students' learning progress.

3. For Future Researchers

It is intended that this study would serve as a resource for other scholars who wish to delve more into the topic of Artificial Intelligence (AI), particularly as it relates to education. Researchers can learn more about the potential and advantages of Artificial Intelligence (AI), for English, in this instance grammar correction being discussed in this research, by carrying out this study.