



Students' Perception on the Use of QUILLBOT to Improve Grammar

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ABSTRACT

English structure is one of the most difficult parts of learning grammar. This is because students also have to know when to use it. When students already know the structure of English, it will be easier to master grammar. The easiest way to test students' grammar is by using the quillbot application. However, researchers using the quillbot application are still limited and know little about how students perceive it. This study aims to improve students' grammar skills by using quillbot application to check their grammar writing. The researcher used quantitative method and survey design, and to collect information the researcher used questionnaire. This study was conducted at University in Asia by taking a sample of 35 students majoring in English Department. The findings revealed that these students expressed some positive responses. Some students already know that this quillbot application can be relied upon to check students' grammar writing and make students easier and more practical in checking grammar so that it is free from grammatical errors. Therefore, the researcher said that the use of quillbot application is useful to improve students' grammar skills.

Keywords: Grammar, Quillbot, Perspection

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INTRODUCTION

The use of an international language known as English makes it easier for people to communicate with each other. This tool alone has the potential to develop into a positive talent if learners successfully apply it. In the future, this ability will be an advantage for senior officials to engage in national-level discourse at the international level (Christie, 2022). Grammar is one of the most important practical genres as it is

considered an essential part of learning English and is also useful for learning other subjects that use English as an international language (Mandasari dkk., 2022). Grammar is a fairly complex component in a language, where teaching and learning grammar is a difficult thing to learn (Hashim dkk., 2019). Because English is a foreign language in Indonesia, and of course the sentence patterns used between Indonesian and English are different (Inayati & Damayanti, 2016). Grammatical accuracy is an important aspect in language learning because it can increase students' confidence to communicate in foreign languages or other languages. Grammar is about form and one way to teach form is to give students rules; however, grammar is more than just form, and its teaching will not be successful if students are only given rules (Suprayogi & Pranoto, 2020). Each language has its own way of conveying and expressing an utterance. someone can disagree due to differences in intent between speakers and speech partners. Therefore, grammar is useful in communicating all the complex meanings contained in the relationship between words in an organized manner. If someone wants to know the truth about who is paying attention to whom, grammar can make it easier for students to find out by using various strategies such as word order, verbal agreement, and case marking. Of the many language use strategies, only a few researchers are very skilled at examining these language use issues, such as case grammar (Basid dkk., 2021).

MALL (Mobile Assisted Language Learning) has shown growth in computer-based and mobile language teaching. MALL and CALL differ from each other due to their personalized use and ease of use in various contexts (Liu, 2021). In today's digital era, there are many people in Indonesia who use social media, ranging from parents to children (Cakmak, 2020). The benefits of the MALL program are as follows: giving students the tools they need to develop their own independent learning plans for time, location, and how they will use online resources and learning materials (Harmayanthi, 2019). Since MALL focuses more on mobile devices than CALL, which focuses more on computers, using MALL to learn English is a very good idea (Afrizal, 2020). Since using MALL only requires an easily accessible cellular phone, learning using MALL becomes simpler (Juniarta, 2019).

The importance of grammar learning and its improvement in promoting language learning has been examined in several studies, by knowing the structure of proper grammar, the learning process becomes smoother and more effective because the students are more communicative with the researcher who teaches. The reason why they become more communicative than before is because they can understand what the researcher is saying during the learning process (Sari dkk., 2021). Most language and learning academic advisors agree that students' grammar and punctuation skills are low. However, mastery of such basic skills is critical to the quality of success in academic contexts (Costa dkk., 2012). Despite the proven positive effects of grammar feedback, tutors in learning centers across Australia are limited in the time and number of grammar corrections they are willing or able to make. Teachers may feel that it is not their responsibility to provide detailed grammar feedback on student work, or they may

not be confident that they have the "know-how" to explain complex grammar rules (Suryaningsih, 2020).

Even if a teacher is willing and/or able to provide feedback on grammar issues, they may not have the time to provide extensive grammar feedback to students during limited student counseling, especially when there are other writing issues that require attention. As a result, many students, both native and non-native English speakers, need better grammar editing and proofreading help than educational institutions can provide. The author discovered a new software, QuillBot grammar checker, which was released in March 2021). This free software is the third tool of QuillBot.com, its one-stop writing platform, starting with paraphrasing and summarizing their flagship. In August 2021, QuillBot released another tool, the quote generator (Nasution, 2020). Since QuillBot's grammar checker is new, there is little literature on its quality. While it can provide quick feedback, it is a comprehensive and accurate tool for detecting and correcting spelling, grammar, and punctuation errors. Learning grammar is essential if you want to be fluent in English. Without a mastery of grammar, knowledge of English feels incomplete. In practice, mistakes often occur, be it spelling mistakes or pronunciation errors. In general, people who know grammar find it easier to master English. There are several impacts or effects that can affect grammar's ineffectiveness such as in the attitude of the environment and society (Hutchinson dkk., t.t.). However, some people have barriers in learning grammar, such as B. first, shy and unconfident, shy and unconfident. They not only prevent you from learning to improve your grammar skills, but also prevent you from achieving better things in the future. The wrong study method, the wrong study method can easily make a person feel depressed or bored. Because everyone has a different personality, so it is necessary to know how to make the learning environment more enjoyable (Maritsa dkk., 2021).

Researchers know that any grammar is not only the core of a language, but also a theoretical tool to organize a language (Zhong-guo & Min-yan, t.t.). Another thing that hinders learning in improving grammar is the third. not having time to study, not everyone has free time to learn new things including grammar. in order for students to improve their grammar skills, students must make time to study. The fourth is difficult to memorize English vocabulary, the easiest way to overcome this is to get used to using everyday English vocabulary or chatting with native speakers. That way the vocabulary will increase every day. There are so many benefits when someone learns grammar (Rahayu & Purnawarman, t.t.). In order for grammar skills to improve there are several easy ways to do every day. This research is in the field of grammar in writing and suggests that technology can play an important role in creating innovative online grammar resources (Afdila, 2016). Several researchers tested the effectiveness of our grammar induction model on six languages, namely English, Danish, Portuguese, Slovak, Spanish, and Swedish (Naseem). The best way to learn grammar differs from one person to another. Therefore, students must find a suitable and easy way to master grammar and avoid boredom. choose friends who have good grammar skills and have

the ability to learn so that students will be motivated to always learn and further improve their grammar skills (Sholekah & Wahyuni, 2019).

Some ways to learn grammar that can be done first is to pay attention to the basics first. Mastering grammar is not easy because you have to learn 16 LL English tenses designed to teach students grammatical forms such as determiners, tenses, and from Chomsky's functional category (Cannon dkk., 2011). Most people encounter the term "grammar rules" when learning a foreign language. With the existence of grammar rules, students can easily combine the vocabulary they learn in a meaningful way so that the sentences they make sentences easily (Sepúlveda dkk., 2013). In order for students to improve their English for that mastery of English must be improved. Especially considering that all aspects of grammar will later be used when reading, speaking, and listening. The basic things in question are mastering verbs, simple tense, adjectives, clauses, phrases and others. The second is to understand the structure or formula of English. In general, instruction modeled in story grammar has a positive effect on the reading comprehension of someone who has difficulty reading, especially older students (Sepúlveda et al., 2013). English structure is one of the hardest parts of learning grammar. This is because you also have to know when to use it. If you have memorized the English structure, it will be easier to master the grammar. as for the easiest way to test your grammar whether it is correct or not, namely by using the quillbot application.

The third way is discipline, learning grammar and English also needs discipline. When watching movies, get used to watching English movies without subtitles so that your vocabulary will increase. When students read English novels or short stories, try to translate them into Indonesian. Similarly, when reading Indonesian short stories, translate them into English. Then, correct it by using the quillbot application to check the correctness of the grammar. That way you can more easily memorize English structures and improve your grammar skills (Sepúlveda et al., 2013). That way grammar checkers can help students to make more informed choices in writing and at the same time they learn grammar (Jayavalan & Razali, 2018). The fifth way is by utilizing technology. Learning grammar is now easier than ever. Students can access online grammar learning using their smartphones. Simply using the quillbot application can help you to further improve your grammar skills (Yang, 2021).

These online grammar courses usually offer learning methods that are more interactive, fresh and fun so it's not boring. Online grammar checker is a new computer tool based on a method that can be used to find accurate grammar in writing. The program can automatically detect and correct grammatical errors in writing. The task of the grammar checker is to point out stylistic, grammatical, or mechanical problems in the text and provide suggestions for each problem to make the writing better (Patria J.McAlexander, 2000; Aidil, 2019). Grammar checkers are beneficial for students. This tool can improve the quality of students' writing. Students can learn on their own from the feedback provided by the grammar checker. Grammar checkers encourage self-learning and self-directed learning, where students can independently learn from their writing mistakes and receive feedback from grammar checkers (Jayavalan & Razali,

2018). quillbot is praised as an accurate grammar checker app (Fajriah, t.t.). As in the features in quillbot, this application is not only for checking student grammar, but there are still many features that can be used such as, paraphrasing, translating reading texts, checking plagiarism. The reason why the author chose to use the quillbot application aims to find out students' perceptions when checking grammar in writing so that it can make it easier for students when speaking or writing. Therefore, the author hopes that when students use the quillbot apk it can help students improve their grammar skills in learning English.

1. literature review

- a. checking grammar

Fluency in grammar can lead language learners to high levels of linguistic accuracy and performance. Research in recent decades shows that lack of interest in grammar is the result of boring lesson presentations that make learners uninterested in learning (Wang, 2023). Grammar Checker: This tool ensures that student work is free of grammatical errors. QuillBot application is an AI platform that has the main function as a tool for grammar checking and paraphrasing to avoid plagiarism. QuillBot is available in several languages, including Bahasa Indonesia. By using QuillBot, students' writing will be neater, more effective, and error-free, so when students want to check grammar, they no longer need to do it manually because there is already a web or application that provides features to check grammar easily. Although this has pros and cons with this application. The advantages are that students do not bother anymore in checking grammar that may be known to be correct or wrong and also make it easier for students when they are going to speak using English, they can check the writing first in the quillbot application or on the web. The disadvantage of this application or this web is that it makes students more lazy in learning because they think everything will be finished quickly when using its online features. So that the teacher's position is threatened because in the classroom students do not want to listen to the teacher when learning grammar. Because what is in the minds of students will be an application that makes it easy for them to check grammar in writing and speaking.

- b. Difference between free quillbot and premium quillbot

There are two versions of QuillBot available: free and premium. The free version has a character limit of 125 characters to paraphrase at once. The premium version allows users to increase the maximum character limit to 10,000. Another benefit of being a premium user of QuillBot is the ability to paraphrase in any mode, including standard, fluency, formal, simple, creative, expand, and shorten. In comparison, the free version of QuillBot only offers standard and fluency modes. QuillBot has three tools: 1) Word Rephraser: This tool rearranges students' sentences and provides options for synonyms and rearrangement. 2) Summarizer: This tool summarizes the student's text by

reordering. Basically, this tool helps students eliminate the unimportant parts of the message. 3) Grammar Checker: This tool ensures that students' work is free from grammatical errors (Syahnaz & Fithriani, 2023).

QuillBot Premium adds features that make typing easier. With no character limit, access to five additional paraphrasing styles (Standard, Fluent, Formal, Simple, Creative, Expanded, and Solid), and the ability to use the highest level of the synonym slider, we will save time and scale quickly to improve student work. QuillBot Premium includes various modes that can be used depending on the student's writing needs. It contains: Standard, Formal, Fluent, Creative and Creative+, Formal, Crop, and Zoom. 1) Standard mode reliably rewrites text to preserve meaning. 2) Fluency mode makes the smallest changes to the student's writing, resulting in more natural and grammatically correct speech. Word Flipper settings are also kept as low as possible with this streaming option. This ensures that the text is readable and error-free. 3) As a formal space for writing in a business or academic environment, this space is ideal. In this mode, the lyrics are edited to suit the official audience. In this mode, the text is refined and presented in a more professional manner. 4) Simplified mode makes student writing more readable and easy. creative This mode introduces the biggest changes to the text, resulting in a completely new look and feel. In this mode, the text is presented in a way that most people can understand. 5) Creative mode focuses on making as many changes to the text as possible to create a text that is different from the original. This mode expresses thoughts in a completely new way that can change its meaning.

Meanwhile, Creative+ is an improved version of the AI's creative mode that makes editing more intuitive and better understands certain things, such as commonly spoken phrases and statements. 6) Improvement Mode is related to a system called "Improvement Mode". This mode tries to insert as many words as possible into the text to increase the word count. It adds detail and depth to increase sentence length. 7) Shorten mode shortens the length of our content. This mode is useful because "short mode" shortens student content without sacrificing its meaning. It eliminates redundant words to convey a clear message. Users of the free version of QuillBot can only use Standard and Fluency modes. Creative, Creative+, Crop, Expand, and Formal modes are only available in the premium version (Fitria, 2021).

RESEARCH METHODOLOGY

This study uses a quantitative approach to determine students' perceptions of using Quillbot to improve their grammar skills. Quantitative research methods are research that is full of nuances of numbers in data collection techniques in the field. Quantitative methods are used when : 1) when there is a problem which is the starting point of the research is clear (Gay dkk., 2012). A problem is a deviation between what should be and what happens, between theory and practice. 2) when researchers want to get broad information from a population. This method is suitable for obtaining broad but not in-depth information. 3) when you want to know the effect of certain treatments on others, 4) when the researcher intends to test the research hypothesis, 5) when the

researcher wants to get accurate data, based on empirical and measurable phenomena. 6) when you want to test doubts about the validity of certain knowledge, theories and products (Djollong, 2014).

This research was conducted on active students of Mahmud Yunus University Batusangkar. A research instrument is a tool used to collect data or measure objects of a research variable (Yusup, 2018). For this study, the data collection technique was carried out by questionnaire, the questionnaire was collected and sent to respondents via Google form. The questionnaire is a data collection technique that is done by giving a set of questions or written statements to respondents to answer (Djollong, 2014). Sampling was done randomly with quota sampling. The population of this study consists of active students with a very large population size. However, in the questionnaire to respondents containing 14 statements, the researcher set a sample size of 35 people. Their responses were analyzed to determine effectiveness, efficiency and satisfaction. This research uses a quantitative approach and survey design (Khusniyah & Hakim, 2019). Questions were sent to several students to collect data for the survey, which served as a type of written interview. The researcher does not have to be present when completing the survey, which speeds (Creswell, 2012) up the data collection process

This research uses quantitative methods. Because its philosophical foundation is positivism, this approach is known as the positivist method (Creswell, 2012). Because this approach follows the principles of science, namely concrete / empirical, objective, measurable, logical and methodical, it is called the scientific / scientific method (Sugiyono, 2015). The research material is numerical and the analysis uses a descriptive approach. Therefore, this approach is referred to as a quantitative approach. The purpose of quantitative research is to test a hypothesis. It involves examining a specific population group or sample, and sampling techniques are usually random. As Sugiyono (2010) says: 122) There is no guarantee that random selection from the population will be carried out using non-probability based sampling methods. According to Sugiyono (2010: 124) Quota sampling is a method of selecting a representative sample from a population based on its composition (Afrizal, 2020). The survey instrument is a measuring tool to measure the dependent variable (Sugiyono, 2015). Researchers and investigators select and use specific data collection tools to make efforts more systematic and effective. In this study, the researchers used the old reliable questionnaire. Questions and/or statements are given to respondents in the form of a questionnaire. This is one way to collect information. Send Answers The Likert scale has four possible answers: strongly agree, agree, disagree and strongly disagree. The degree of agreement or disagreement of an article can be measured with a "real" Likert scale. Each statement in the questionnaire accompanying the survey is rated according to the following scale, depending on how strongly the respondent agrees or disagrees with the statement: (1) Strongly agree = 4, (2) Agree = 3, (3) Disagree = 2, (4) Strongly disagree = 1. In contrast, negative statements are rated negatively.

RESULT AND DISCUSSION

Demographics of English students regarding the use of grammar checking tools

The 35 students who participated in this study were English education majors. Based on the questionnaire results, they are familiar with various digital tools that can be used to help them check writing in grammar. However, among the various digital tools available today, the majority of students often use Quillbot to help them check their grammar mistakes (for more details see table 1.1).

Table 1 students' perception of Quillbot usage

ON	QUESTION	ANSWER			
		strongly agree	agree	don't agree	strongly disagree
1	Quillbot provides automatic writing evaluation on the grammar checker feature	17,1 %	82,9%	.....	.....
2	Quillbot provides a solution by helping check grammar when teachers and students cannot check the grammar of writing manually	14,3 %	85,7 %	.....	.....
3	Using this application is very simple	14,3 %	82,9 %	2,9 %	.....
4	The Quillbot application has been trusted to help students check grammar	14,3 %	85,7 %	.....	.....
5	The results provided in the quillbot application for checking grammar look and sound as natural as possible	8,6 %	91,4 %	.....	.....
6	This quillbot application ensures that checking grammar is free from grammatical errors	.....	97,1 %	2,9 %	.....
7	Quillbot can save time in checking grammar	8,6 %	91,4 %	.....	.....
8	Quillbot cannot provide evaluation in automatic writing in the grammar check feature	.....	17,1 %	74,3 %	8,6 %
9	Quillbot cannot provide solutions when teachers and students cannot check grammar manually	2,9 %	5,7 %	88,6%	2,9 %
10	Using this application is very difficult	.....	2,9 %	88,6 %	8,6 %
11	The quillbot application cannot be trusted in checking grammar	2,9%	2,9 %	82,9 %	11,4 %
12	The quillbot application cannot be trusted in checking grammar. The results provided in the quillbot application for checking grammar do not look and sound natural	2,9 %	.....	82,9 %	14,3 %
13	This quillbot application cannot ensure that checking grammar is free from grammatical errors	.....	8,6 %	85,7 %	5,7 %
14	Quillbot takes a lot of time checking grammar	.....	2,9%	85,7 %	11,4 %

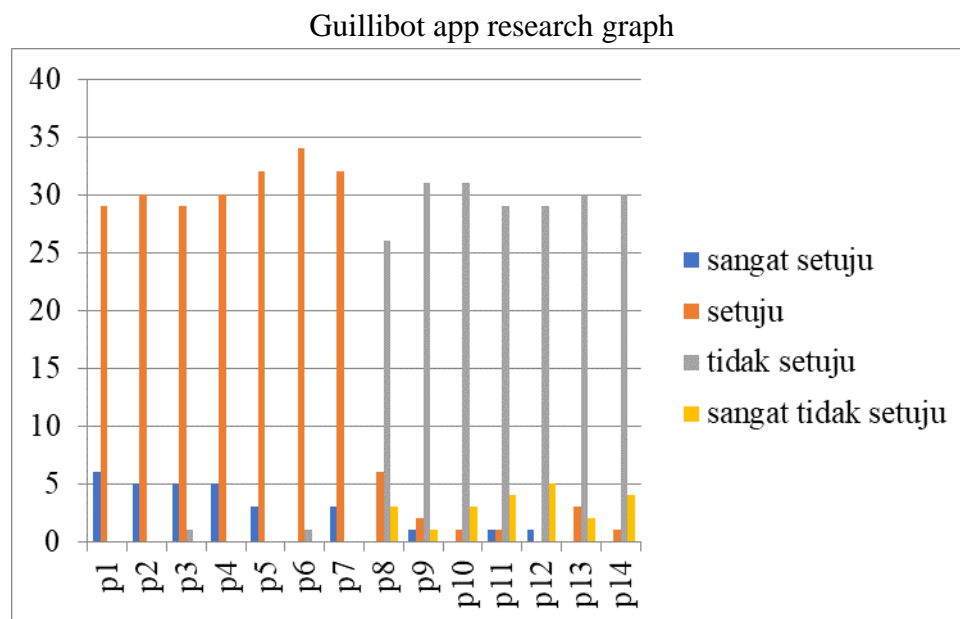
The data in table 1 shows that students responded to positive statements strongly agree (4), agree (3), disagree (2), strongly disagree (1). And for negative statements with categories strongly agree (1), agree (2), disagree (3), and for strongly disagree (4). Quillbot provides automatic writing evaluation on the grammar checker feature, in this statement students gave a positive response as many as 82.9% of students agreed with this statement. With the above statement, it can prove that this quillbot application can produce answers naturally. The second statement is that Quillbot provides a solution by helping to check grammar when teachers and students cannot check the grammar of writing manually. From this statement, students gave a positive response, namely 85.7% said they agreed, and students who strongly agreed were 14.3%. From this statement there were no students who gave a negative response. For the statement The use of this application is very simple some gave a good response stating strongly agree and agree on this statement, but 2.9% of students disagreed on this statement, this means that there are still some students who have difficulty in using this application. However, for the statement Quillbot application has been trusted to help students in checking grammar, from this statement it can be seen that students believe this quillbot application is good to use for checking grammar.

The fifth question said that the results provided in the quillbot application to check grammar look and sound as natural as possible, in this statement as many as 91.4% agreed that the results produced by the quillbot application were indeed that natural. And from this statement there is no negative response from this statement. Of the seven positive statements from the table above, students gave a positive response to each question and only one of these statements gave a negative response. From the table above apart from the positive statements there are seven negative statements. The first statement Quillbot cannot provide evaluation in automatic writing on the grammar check feature as much as 74.3% gave a positive response from the negative statement, meaning from this statement students disagree that this quillbot application does not have a good effect. But from this statement as many as 17.1% of students gave a negative response. For the second negative statement, namely Quillbot cannot provide solutions when teachers and students cannot check grammar manually, from this statement some of the students disagree and some agree and strongly agree that this quillbot application does not provide solutions when teachers and students cannot check grammar manually.

Furthermore, the use of this application is very difficult, from this statement more students gave a positive response that this application is not difficult to use, but 2.9% of students gave a negative response by choosing to agree that this application is difficult to use. From the statement that the quillbot application cannot be trusted in checking grammar, there are still students who give negative responses stating strongly agree and agree that this application cannot be trusted in checking grammar as many as 2.9% of students, and for other students give positive responses. Another statement that this quillbot application cannot ensure that in checking grammar it is free from grammatical

errors, from this statement as many as 8.6% of students gave a negative response, and 85.7% disagreed with this statement. In addition, from the statement Quillbot takes a lot of time in checking grammar, 2.9% of students gave a negative response and stated that quillbot takes a lot of time in checking grammar. And the rest of the students gave a positive response.

Based on the results of the questionnaire in table 1, the researcher communicated with one of the participants to learn more about their perceptions of using the quillbot application in checking grammar. The participant chose the results of the questionnaire based on his experience in using the quillbot application. research using the quillbot application can make it easier for students to study at home or on campus.



As the graph above shows, it is data from research on quillbot applications. Data from the results of testing questions about quillbot can be obtained as follows 35 students answered the object. Researchers used 14 questions to be able to test the ability of students to answer questions about this quillbot application. The highest research results obtained by students obtained 34 students with the category of agree (S). where almost all students stated that this quillbot application ensures that checking grammar is free from grammatical errors. The second highest research result obtained by 32 students with the category of agree (S). which is where almost all students admit that the quillbot application The results provided in the quillbot application for checking grammar look and sound as natural as possible and Quillbot can save time in checking grammar. As for the results of the research disagreeing students obtained 31 students with the category of disagreeing (TS) which is where Quillbot cannot provide solutions when teachers and students cannot check grammar manually. the second highest disagreeing research results are 30 students who stated that this quillbot application cannot ensure that in checking grammar is free of grammatical errors and Quillbot takes a lot of time in checking grammar.

The data on the results of the quillbot application research test on students of Mahmud Yunus Batusangkar State Islamic University in the English department can be explained as follows; in the strongly agree category there are the highest number of students as many as 6 people and the lowest is 1 person. While the agree category has the acquisition of many students, namely 34 students. This category is the highest acquisition of students from several existing categories then the lowest of this agreed category is 1 student. For the disagree category, 31 students obtained and for the lowest category of the disagree category, namely 1 student. For the strongly disagree category, there were 5 students and the lowest was 1 student.

Image of how to check grammar in the Quillbot



Figure 1.1 Quillbot

The picture above is the cover of the quillbot application which can be used for various student needs in doing assignments or to check writing in grammar. The first thing to do in checking grammar in this quillbot application is by downloading the application on the play store or appstore or can visit the web from this application.

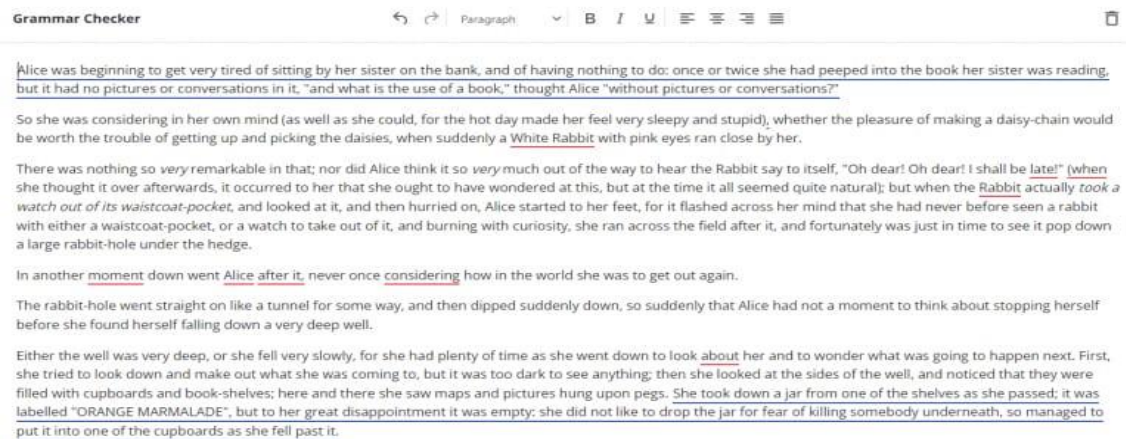
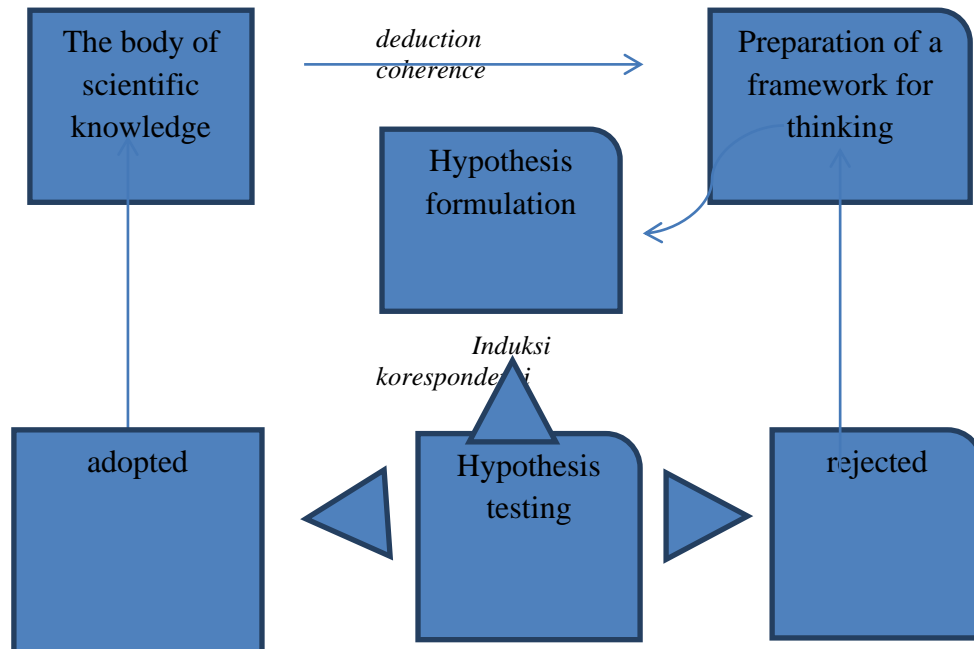


Figure 1.2 The Grammar Checker

The next step is to select the grammar checker option and then write the text in the place provided on the web or application, or students can upload an existing document. Pay attention to the number of words and characters, especially if students are using the free version as there are limits. The grammar checker is a fantastic additional resource that writers will really appreciate. It is AI-driven, just like the other features, which is very helpful when trying to identify the most common examples of grammar usage. when you have finished writing for the grammar check, the results will come out. Later

QuillBot will correct the sentences that are not quite right in the data that you have entered. the Quillbot application does not color code errors based on the type of grammar you are dealing with.



The time and place of research to collect data is at Mahmud yunus batusangkar state Islamic university. The object of this research is students' perceptions of the use of quillbot applications to improve grammar skills. The method used is quantitative method. The place of this research was conducted at a higher education institution which aims to check students' grammar by using the quillbot application and improve grammar skills. Data collection was carried out by distributing questionnaires to students to find out students' perceptions of the quillbot application in checking grammar to improve grammar skills. the purpose of the problem to be created, preparing observations, determining the necessary secondary data and also recording the results of observations. For example, by conducting research at Mahmud yunus batusangkar state Islamic university. This research uses instruments and data analysis.

The way data is collected is by collecting all information and data that can be measured, compared and calculated on a numeric scale and can produce correct data. The process of processing data that has been collected and observing field respondents feels data analysis techniques in quantitative research. For example, a data processing process based on the type of respondent, calculation of hypothesis testing. In quantitative research, there is usually a statistical test, namely inference statistics, which are very suitable for use when the data collection technique is randomized and when the sample and population are clear (kijima et al., 2016).

CONCLUSION

The use of the quillbot application for students to learn English is very important. based on the results of the analysis and discussion of this quillbot application, the highest results obtained from students' perceptions of this quillbot application are in the statement "This quillbot application ensures that checking grammar is free from grammatical errors", meaning that almost all students agree that this quillbot application can be trusted in checking grammar. Therefore, the Quillbot application makes it easier for students who have difficulty in checking their grammar, besides that this application is also very easy to use and easy to access. sometimes students have a lot of assignments, but are not afraid of writing them correctly or not, or cannot check the grammar correctly, the solution is in this quillbot application.

This application can be a mainstay when the teacher or student cannot check the writing or grammar correctly, and the results provided also look natural. In addition, this application is also very easy to use and also does not require a lot of time to wait for the results of checking student grammar. Therefore, it is said that the use of quillbot application to improve students' grammar skills is very useful. The researcher felt that when conducting research to get information from informants, it took quite a long time, especially the efforts of researchers who had to patiently wait for answers from each informant, because not all students responded quickly in this study.

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