THE USE OF AI PARAPHRASING TOOLS IN ACADEMIC WRITING: A QUALITATIVE CASE STUDY

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Abstract

AI-based paraphrasing tools for English writing have emerged due to technological advancements in natural language processing and AI. These tools help users reformulate texts while retaining their original meaning. Utilizing advanced algorithms, they analyze sentence structure and context, producing efficient paraphrases. These tools save time and effort, making them a popular solution for English paraphrasing. This research examines the capabilities of online paraphrasing tools, focusing on their ability to process input text, understand context, decipher word meaning, sentence structure, and relationships between words while identifying important phrases or keywords. The analysis reveals that various paraphrasing tools, including QuillBot, Ginger Writer Rephraser, Spinbot, paraphraser.io, EditPad, Rephrase, PrePostSEO, and SmallSEO, produce paraphrases similar to the original text but with some changes in sentence structure and word choice. These tools offer benefits such as efficiency, consistency, and plagiarism prevention but also allow users to customize wording for different audiences and communication requirements. However, they have limitations such as varying output quality, difficulty in capturing complex nuances, language limitations, and errors in word selection. The quality of paraphrasing results depends on the training data used, and the algorithm may struggle with processing lengthy or intricate sentences. Despite their effectiveness, paraphrasing tools can still leave users vulnerable to unintentional plagiarism if the output is inadequate or inaccurate. Users must exercise caution and be prepared to review and refine their output to ensure reliability and integrity. AI-based paraphrasing tools need further development to improve their quality and reliability. Regular grammar checks are necessary to ensure accuracy and coherence, but AI algorithms may overlook some, leading to lingering inaccuracies. Combining AI tools with manual review ensures high-quality paraphrased content that meets specific needs and objectives

Keywords: AI-Based Paraphrasing Tools, English Writing, Paraphrase, Paraphrasing, Writing

INTRODUCTION

Writing is an activity that involves the process of expressing thoughts, ideas, or information using written words (Fitria, 2022c). This is one of the main ways to communicate and share information with others. Through writing, someone can convey ideas, opinions, stories, or arguments to readers in a clear and structured way. Writing is also a way to record and store information, as well as stimulate creative and reflective thinking. In addition, writing can be a means of strengthening logical, analytical, and persuasive thinking skills. Thus, writing is not just an activity, but also an important process in self-development and human communication. According to Fitria (2022a), the difficulty of writing in English is a challenge faced by many people, especially foreign speakers or those who do not yet have a strong command of the language. Some common obstacles that are often encountered include difficulty in constructing standard sentences grammatically, choosing the right words to convey ideas clearly, and understanding

writing conventions in English (Fitria, 2021e). Additionally, some people may also face difficulties in maintaining the authenticity of their writing while avoiding plagiarism.

Paraphrasing written English is a complex task, particularly for non-native speakers or those less proficient in the language. Key challenges include mastering vocabulary, grammar, and sentence structure, as well as understanding the context and nuances of the original text. Paraphrasers must also be creative in rephrasing information while preserving meaning. Additional difficulties arise when conveying complex ideas without losing clarity, and errors may occur when suitable word replacements are hard to find, leading to grammatically incorrect or unclear sentences. To overcome these challenges, the emergence of artificial intelligence (AI) based paraphrasing tools is becoming a popular solution. These tools are designed to assist users in reformulating texts in English in a different way but retaining the original meaning. Thus, AI paraphrasing tools are an effective solution to overcoming difficulties in writing English writing. The utilization of the online paraphrasing tool facilitates the rewriting of essays and articles (Singh et al., 2022). One way for individuals to prevent plagiarism is through the rephrasing of sentences. The existence of online paraphrasing tools as one of the digital technologies in academic writing might have a great offer in helping students paraphrase their writing (Aqiilah & Zalfa, 2023).

Paraphrasing plays a crucial role in academic writing as it aids writers in avoiding plagiarism. However, for EFL learners, especially those who are not experienced in the academic world, paraphrasing is a challenging skill (Xuyen, 2023). Paraphrasing is the most challenging part of academic writing (Clarin et al., 2023). According to Clarin et al. (2023), students encountered a variety of obstacles when paraphrasing texts; the findings unveiled four overarching themes: 1.) Deficit in lexical proficiency; 2.) Inaccurateness of paraphrasing tools; 3.) Inadequate reading comprehension abilities; and 4.) Plagiarism. Scholars propose that educators can devote considerable effort to assisting pupils in understanding the process of paraphrasing English texts. Additionally, students must understand the critical nature of paraphrasing in written work.

Methods for paraphrasing can detect, synthesize, or extract words, sentences, or longer natural language expressions that communicate almost the same information (Androutsopoulos & Malakasiotis, 2010). Paraphrasing is utilized to produce alternative expressions that convey the same meaning (Alassir et al., 2021). Paraphrasing refers to the academic convention in which the source text is rewritten in its own words so that the context remains unchanged (Agujitas et al., 2023). Paraphrasing is the act of rewriting sentences using various words to convey the same meaning as the original sentence (Alian & Awajan, 2020).

Paraphrasing, as one of the note-taking strategies in academic writing, provides several benefits that directly impact the reliability of one's academic paper (Mira & Fatimah, 2020). It increases the originality of a paper by enabling writers to express others' ideas in their own words, unlike direct quotations which replicate the author's exact language. Additionally, paraphrasing helps clarify and simplify complex concepts, making them easier for readers to understand. This rewording ensures clearer communication and better reader comprehension. Paraphrasing also allows writers to adjust content from existing sources to fit the intended tone or writing style—whether

formal and technical in academic contexts or more casual in popular writing—ensuring consistency with the overall purpose and audience of the text.

Paraphrasing writing is a challenging task for several complex reasons. First, it is important to properly understand the original meaning of the text to be paraphrased so that the resulting message is maintained. Apart from that, maintaining the authenticity of the writing is the main principle in paraphrasing, avoiding plagiarism, and ensuring that the ideas conveyed remain original. Not only that but maintaining the correct sentence structure in the paraphrasing process is also important to maintain fluency and clarity of writing. Other challenges include selecting appropriate words to replace words in the original text, which requires a deep understanding of vocabulary and the ability to find appropriate synonyms or phrases. Creativity is also an important aspect of effective paraphrasing, as it is often necessary to find different ways to convey the same idea. Lastly, paraphrasing must maintain the original meaning of the text without changing it substantially, which can be a challenge.

The application of AI tools in academic writing refers to the use of artificial intelligence technologies to assist with various stages of the writing process in educational and scholarly contexts. These tools enhance productivity, improve language quality, and support non-native English speakers in producing high-quality academic texts as follow:

Language Enhancement and Grammar Correction. AI-powered tools such as Grammarly and ProWritingAid are widely used to support academic writing by detecting grammatical errors, correcting spelling and punctuation, and suggesting improvements for clarity, style, and tone (Fitria, 2021b, 2023d). These tools help writers produce polished and professional academic texts, especially for non-native English speakers or early-career researchers.

Paraphrasing and Rewriting. AI-based paraphrasing tools like QuillBot and Paraphraser.io Paraphraser use natural language processing to reword sentences and paragraphs while maintaining their original meaning (Fitria, 2021c, 2021d, 2022b, 2023d, 2024c, 2025a). These tools are helpful in avoiding plagiarism, improving readability, and simplifying complex language, making them especially valuable during the drafting and revision stages of academic writing.

Plagiarism Detection. Plagiarism detection software such as Turnitin, iThenticate, and Grammarly's plagiarism checker rely on AI algorithms to compare submitted texts against massive databases of online and published content. These tools highlight potential instances of copied material and offer suggestions for proper citation, thereby supporting academic integrity and ethical writing practices.

Academic Research Assistance. AI tools like Elicit, ResearchRabbit, and Semantic Scholar's AI assistant assist researchers in finding relevant literature, summarizing articles, and generating literature reviews. By automating parts of the research process, these tools help scholars identify gaps in existing knowledge and formulate stronger, evidence-based arguments.

Citation and Referencing. Reference management tools such as Zotero, EndNote, and Mendeley integrate AI features to automatically format citations and bibliographies according to academic styles like APA, MLA, or Chicago. They also assist in organizing

sources and inserting in-text citations, reducing the likelihood of citation errors and saving time during the writing process.

Content Generation and Brainstorming. AI chatbots and writing assistants like ChatGPT or Google Gemini can support academic writers by generating outlines, suggesting research topics, drafting introductory sections, and providing feedback on written content (Fitria, 2024f, 2024e, 2025b). While these tools can be valuable for idea generation and early drafts, ethical considerations must be observed to avoid misrepresentation or plagiarism.

Translation and Multilingual Support. For non-native English-speaking scholars, AI-driven translation tools like DeepL and Google Translate provide valuable support in converting ideas from other languages into academic English (Fitria, 2021a, 2023c). These tools enhance comprehension of foreign-language sources and assist in producing more accurate and fluent writing in English.

There are several previous studies related to AI-based paraphrasing tools. Sulistyaningrum (2021) explains that online paraphrasing tools help learners choose suitable vocabulary, use proper parts of speech, and recompose source material with an alternative writing style. These tools ensure correct grammar, switch between active and passive voice, modify sentence structure, use appropriate tenses, and apply relevant discourse markers in literature reviews. Maulidia & Sulistyaningrum (2021) explain that online paraphrasing tools help students with academic writing difficulties related to content, structure, language use, and strategy. These tools assist in grammar usage, sentence structure, part-of-speech changes, tense usage, and finding synonyms. While helpful, especially for learners with limited English proficiency, the tools are not always 100% accurate. Therefore, students should use them with critical thinking and teacher guidance to ensure proper paraphrasing. Fitria (2022b) reviews the use of QuillBot for paraphrasing students' scientific writing to avoid plagiarism. The analysis shows that QuillBot paraphrases by rearranging words, using synonyms, changing voice, and splitting sentences. While it can be a useful tool when manual paraphrasing isn't possible, human intelligence remains crucial. Students should thoroughly reread and understand their writing to ensure high-quality paraphrases. Syahnaz & Fithriani (2023) explore how QuillBot helps students overcome paraphrasing challenges in academic writing. The study found that QuillBot significantly improved grammar, tense usage, and sentence rephrasing, assisting students in paraphrasing effectively. It also enhanced confidence by allowing quick paraphrasing without worrying about grammar or limited vocabulary. QuillBot helps students avoid plagiarism and improves the quality of their academic writing, expanding vocabulary and strengthening grammatical skills, thus boosting their self-assurance in writing. Fitria (2023) analyzes the use of Ginger Writer, an AI-powered online rephrasing tool for English writing. Ginger's Sentence Rephraser helps users effortlessly improve prose by rephrasing sentences using idioms, synonyms, and antonyms with a single click. It corrects spelling errors, completes sentence fragments, and adjusts word choices based on context. The tool also condenses lengthy phrases, enhancing the overall quality of written communication.

The above-mentioned research summary highlights the use of artificial intelligence (AI)--based paraphrasing tools in scientific and academic writing in English. The studies refer to tools such as QuillBot and Ginger Writer, which have been proven to help

students overcome difficulties in paraphrasing and avoiding plagiarism. These findings show that AI paraphrasing tools can change sentence structure, replace words with synonyms, and change active to passive or vice versa. However, there is a need to review several other AI paraphrasing tools besides QuillBot and Ginger Writer. Although this study highlights the benefits of using such tools, there is still a research void in terms of testing the ability of other paraphrasing tools in paraphrasing written English. Therefore, the researcher is interested in knowing more AI paraphrasing tools to review their ability to paraphrase English writing.

METHOD

The research method that can be used is a qualitative case study. Qualitative case studies allow researchers to investigate a particular phenomenon in depth and thoroughly. In this context, the research will focus on reviewing the capabilities of online paraphrasing tools. Researchers can select several popular or reputable online paraphrasing tools, and then conduct an in-depth analysis of the use and performance of these tools.

The observation method of document involves systematically examining and analyzing existing written materials or records to collect data (Fitria, 2023a, 2024d). Instead of directly interacting with people, researchers gather information by reviewing documents such as websites, reports, articles, or any other relevant text-based sources. This method allows researchers to obtain objective data that already exists without influencing the subject being studied. In the context of AI paraphrasing tools, this means directly accessing the tools' websites, inputting sample texts, and observing how each tool processes and rewrites the content. reviewed sources included international and national journals, conference proceedings, academic books, theses, preprints, and regional publications from both digital and online platforms.

The selection of AI-based paraphrasing tools in this study was based on performance diversity, accessibility, and relevance to academic writing, especially regarding their ability to maintain the intended meaning of complex and extended texts. The tools were chosen for their varying approaches to paraphrasing, allowing for a comprehensive evaluation of their strengths and limitations in academic contexts. These tools were chosen to reflect diversity in semantic accuracy, sentence structure, contextual coherence, and ease of access. The selection supports a critical evaluation of how well AI paraphrasers assist in academic writing and the extent to which manual revision is necessary to ensure clarity, accuracy, and consistency of the argument.

The AI paraphrasing tools in this study were selected to represent a diverse range of performance in academic writing. Tools like QuillBot and Paraphraser.io were chosen for their ability to preserve the core meaning with minor structural changes, while Ginger Writer Rephraser and Spinbot were included to assess how well tools maintain coherence in longer texts. Tools such as EditPad, Rephrase, PrePostSEO, and SmallSEO were selected for their stylistic variations that still keep the original essence. All tools are freely accessible or have freemium models, making them relevant to a broad academic user base. The selection also reflects pedagogical relevance, aiming to provide insights into the appropriate use and limitations of AI paraphrasing tools.

The data analysis in this study employs a qualitative case study approach, which allows for an in-depth and thorough examination of the capabilities of various online AI paraphrasing tools. Researchers systematically observed and recorded how selected paraphrasing tools processed and rewrote sample texts by directly accessing their websites. This observation method involves analyzing the paraphrased outputs to evaluate the tools' performance in terms of semantic accuracy, sentence structure, contextual coherence, and stylistic variation. The selected tools represent a diverse range of approaches and accessibility, chosen to reflect differences in their ability to maintain the intended meaning of complex academic texts. By comparing the outputs, the analysis identifies each tool's strengths and limitations, particularly regarding their effectiveness in academic writing and the necessity of manual revision to ensure clarity, accuracy, and consistency. Additionally, the analysis is supported by reviewing relevant literature from various academic sources to provide a comprehensive understanding of the tools' pedagogical relevance and practical applications.
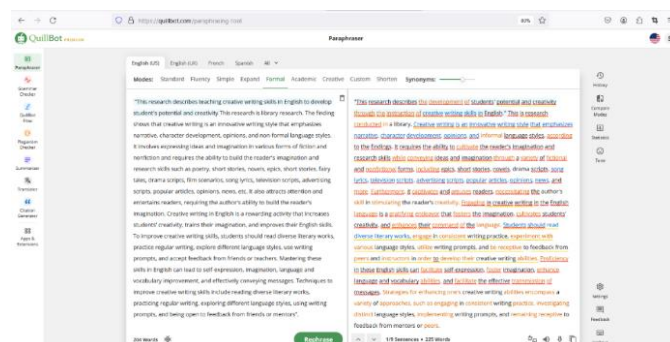
FINDINGS AND DISCUSSION

Findings

To know the paraphrasing ability of each AI paraphrasing tool, the research tries to paraphrase an abstract (Fitria, 2024a). Some popular AI based paraphrasing tools for writing in English are:

QuillBot

QuillBot is a web-based application designed to assist users in paraphrasing written content, ensuring accuracy and professionalism, summarizing lengthy sentences, and improving grammar (Fitria, 2021d). QuillBot is a popular paraphrasing tool that allows users to enter text and get paraphrased results with several options. The free version has quite good features and can be used easily. QuillBot Premium offers various modes of paraphrasing, including Standard, Fluency, Formal, Simple, Creative, Expand, and Shorten. Standard mode ensures that text is readable and error-free; Fluency mode guarantees that text is readable and error-free; Formal mode imparts a more refined and professional appearance; Simple mode simplifies writing to make it more comprehensible; Creative mode presents the text in a manner that is accessible to the majority of individuals; Expand mode augments sentence length with additional details and depth; and Shorten mode eliminates superfluous words to convey the intended message. QuillBot can be accessed at https://quillbot.com/.

Figure 1 The Paraphrasing Result Using QuillBot

The paraphrasing results from QuillBot effectively change sentence structures and use synonyms to maintain a meaning similar to the original text, focusing on developing creative writing skills to enhance students' potential and creativity. Both versions emphasize creative writing as an innovative style involving narrative, character development, opinion, informal language, imagination, and research skills. They also recommend improving these skills through reading diverse literature, regular practice, and feedback. However, differences include the addition of the phrase "This is research done in the library," omission of some written work types like poetry and film scenarios, and some repetitive mention of steps for skill improvement within the paraphrase.

Ginger Writer

Ginger's Writer of Sentence Rephraser facilitates the effortless production of superior prose by its users. Individuals can rephrase a statement by employing idioms, phrases, synonyms, antonyms, and word synonyms with a single click. By utilizing Ginger's Sentence Rephraser, individuals can enhance the quality of their written communication by rephrasing sentences as if they owned the entire English lexicon. Sentence Rephraser corrects misspelled words, completes sentence fragments, and inserts absent words and misspellings following the context of the sentence. The utilization of Ginger's AI-powered Rewriter is capable of condensing lengthy phrases.

Ginger Writer proposes creative alternatives that effectively communicate the intended message (Fitria, 2023b), especially by condensing lengthy sentences. It allows users to easily rephrase text using idioms, phrases, synonyms, and antonyms with a single click, giving the impression of having the full English lexicon at their disposal. Besides simplifying sentences, it corrects typos, completes fragments, and fills in missing words while preserving the original meaning. By restructuring text, it helps avoid plagiarism and adds variety to writing. This tool is valuable for writers, students, or anyone looking to create new text from existing content, utilizing natural language processing to achieve user goals.
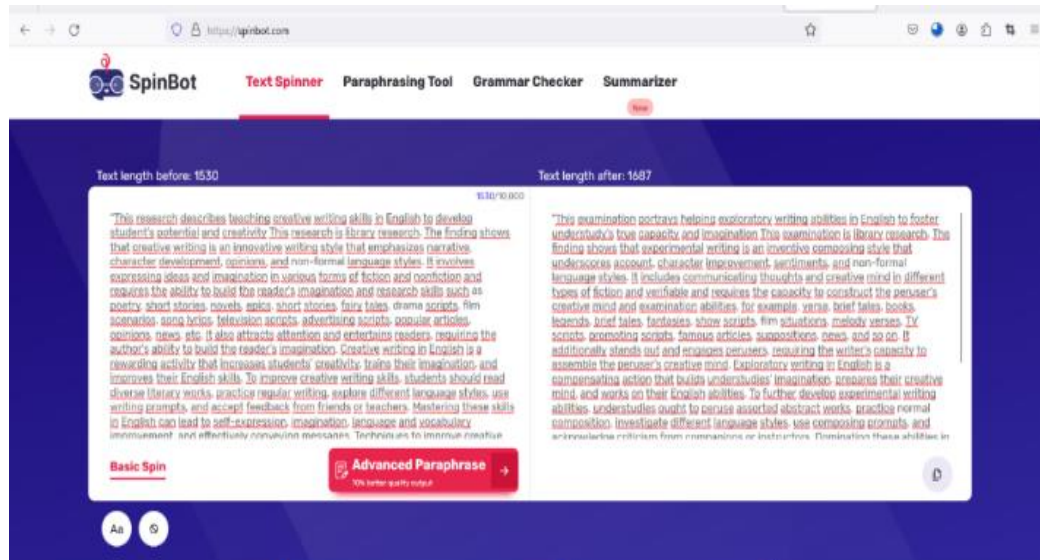

Figure 2 The Paraphrasing Result Using Ginger Writer Rephraser

Ginger Writer Rephraser is designed to paraphrase sentences individually rather than restructuring an entire text, allowing users to focus on and adjust specific sentences without altering the overall meaning of others. This approach is useful when only certain parts need revision. However, because it does not consider the broader context, the

resulting paraphrased sentences may lack consistency and may not always align well with the overall theme or purpose of the text. Especially in longer or complex writings, this tool might miss important nuances, making it challenging to maintain a cohesive and coherent message throughout.

Spinbot

Spinbot is a simple paraphrasing tool that is available for free. Users can enter text and get paraphrased results instantly at no cost. SpinBot can be accessed at https://spinbot.com/.
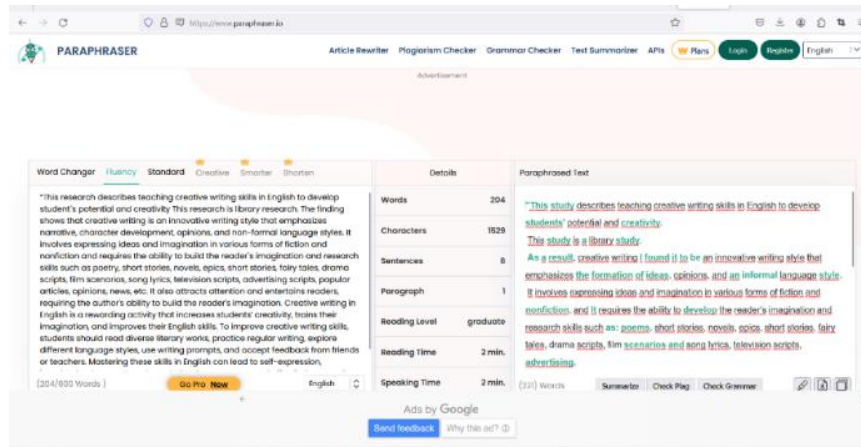

Figure 3 The Paraphrasing Result Using SpinBot

The paraphrasing results using Spinbot are generally similar to the original text, focusing on developing creative writing skills in English to enhance students' potential and creativity. Both texts highlight that creative writing involves an innovative style emphasizing narrative, character development, opinion, and informal language, as well as the importance of reading diverse literary works, practicing regularly, and receiving feedback to improve skills. However, Spinbot's output includes several errors, such as repeated words like "brief tales," incorrect word choices like "helping exploratory writing abilities" instead of "teaching creative writing skills," and awkward, unnatural phrases such as "it also stands out and entertains readers," which could be clearer and simpler.

Paraphraser.io

Paraphraser.io is a free online paraphrasing tool that allows users to enter text and get paraphrased results in seconds. Paraphrase Online can be accessed at https://www.paraphraser.io/id/parafrase-online.
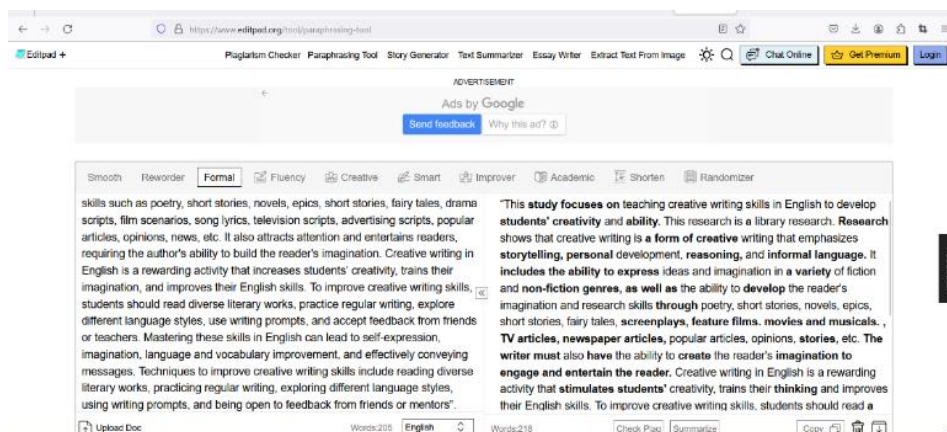
Figure 4 The Paraphrasing Result Using Paraphraser.io

The paraphrasing results from paraphraser.io generally maintain the overall meaning of the original text, focusing on developing creative writing skills in English to enhance students' potential and creativity. Both versions emphasize that creative writing involves an innovative style highlighting narrative, character development, opinion, and informal language. They also stress the importance of reading diverse literary works, regular writing practice, exploring different language styles, using prompts, and receiving feedback to improve skills. However, some errors in the paraphrase cause sentences to be unclear or awkward, such as the incorrect phrase "creative writing I found it" and repeated words like "short stories." Additionally, there is a slight variation in emphasis, with the paraphrased text somewhat less focused on attracting the reader's attention.
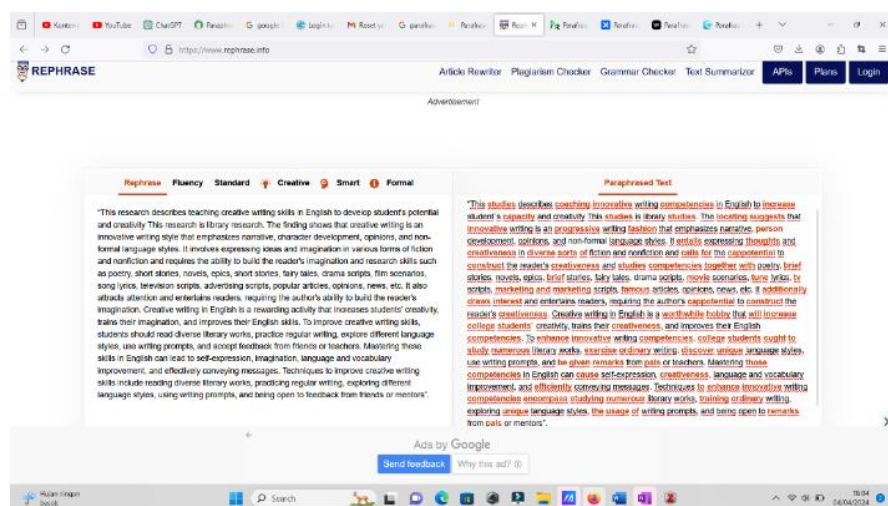
Editpad

Figure 5 The Paraphrasing Result Using Paraphrase Online

The paraphrasing results using EditPad effectively transformed the original text into a revised version with notable changes in sentence structure and word choice. Both versions consistently focus on developing creative writing skills in English to enhance students' potential and creativity, emphasizing the importance of narrative style, character development, opinion, informal language, and strategies such as reading literary works, regular writing practice, and peer feedback. However, differences include altered sentence phrasing, such as using "This study focuses on" instead of "This research

describes," and the addition of new elements like "knowing" in the sentence about improving communication and vocabulary, which was not in the original. While there are minor variations in expression and emphasis, the core message remains intact. Editpad can be accessed at https://www.editpad.org/tool/id/paraphrasing-tool

Rephrase

Rephrase Online Paraphrase is a tool or service available online that is used to change or restructure text from a particular source to create a new version that has a different sentence structure or word choice, but still maintains the general meaning or message of the text. Typically, such tools or services allow users to enter original text and obtain paraphrased or re-transformed results in the form of the resulting text. The main goal is to help users avoid plagiarism, create variety in writing, or create text that better suits certain needs or preferences. The paraphrasing tool we offer facilitates the process of rephrasing texts by substituting words that convey similar meanings and modifying sentence structures while preserving the intended meaning. It can be utilized for various purposes, such as composing newsletters, generating original articles, and producing marketing copy.
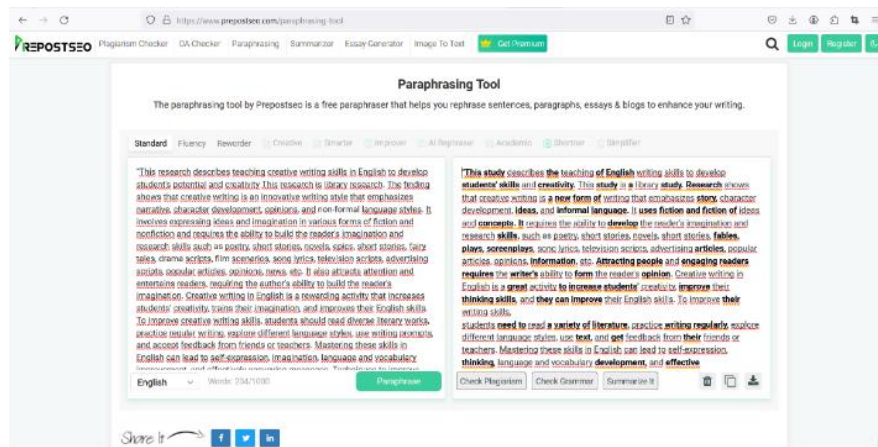

Figure 6 The Paraphrasing Result Using Rephrase

The results of paraphrasing using rephrasing are quite good at maintaining the general meaning of the original text, although there are some differences and adjustments that need to be noted. The similarities are that both discussed developing creative writing skills in English to increase students' potential and creativity. Both highlight that creative writing involves an innovative writing style that emphasizes narrative, character development, opinion, and informal language style. Both recognize the importance of reading diverse literary works, practicing writing regularly, exploring various language styles, using writing prompts, and receiving feedback from friends or teachers to improve creative writing skills. Rephrase can be accessed at https://www.rephrase.info/

Prepostseo

Prepostseo is. an online tool provided by PrePostSEO to paraphrase or restructure text. Using this tool, users can enter the original text and get a reworked version with a different sentence structure or word choice while retaining the general meaning of the

text. The goal of these tools is to help users avoid plagiarism, create variety in writing, or create text that better suits certain needs or preferences. Users can use this tool to generate new versions of existing texts without having to create content from scratch. As with other paraphrasing tools, the results from this tool may not always be perfect and need to be manually reviewed to ensure clarity, consistency, and originality. In addition, users must also ensure that they respect copyright and avoid plagiarism when using paraphrased text. This tool helps users restructure a text or article to create a new version that maintains the original meaning.
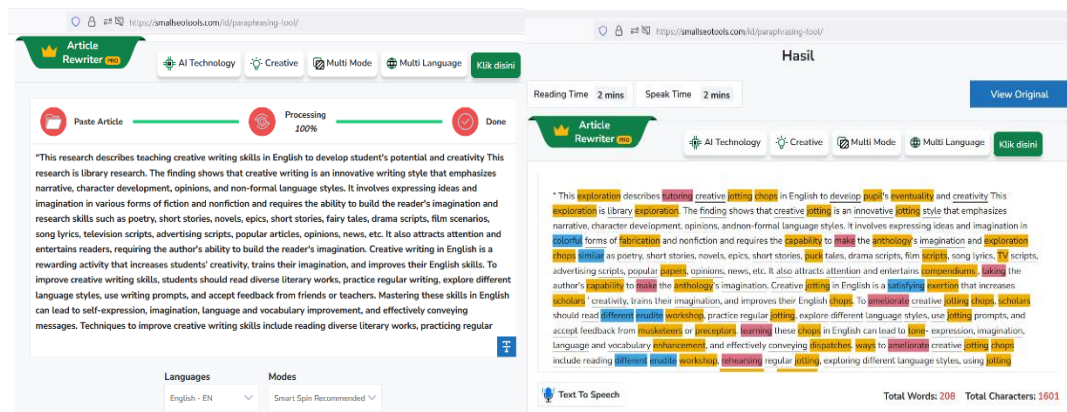

Figure 7 The Paraphrasing Result Using Prepostseo

The paraphrasing results using PrePostSEO generally succeed in preserving the meaning and essence of the original text, although some differences in word choice and sentence structure are evident. Both the original and paraphrased versions discuss teaching creative writing skills in English to develop students' potential and creativity, emphasizing narrative, character development, opinion, and informal language style. They also highlight the importance of reading diverse literary works, practicing writing regularly, exploring language styles, using writing prompts, and receiving feedback. However, differences include the use of phrases like "This study description" instead of "This research description," and expanded or altered types of written works—such as "drama scripts" being paraphrased as "plays, screenplays, song lyrics, television scripts, advertising articles, popular articles, opinions, information, etc." Despite these variations, the core message remains consistent. Prepostseo can be accessed at https://www.prepostseo.com/paraphrasing-tool

SmallSEO

SmallSEO Paraphrase Online is a tool that allows users to paraphrase text quickly and efficiently. This tool uses natural language processing technology to convert sentences in the original text into a different form but retains the same meaning. With SmallSEO Paraphrase Online, users can avoid plagiarism, convey information more originally, and improve the clarity and quality of their writing. This tool can be used in a variety of contexts, from academic writing to web content, to help users craft better writing that better suits their needs.

Figure 7 The Paraphrasing Result Using SmallSEO

The paraphrasing results using SmallSEO aim to alter the original text through different sentence structures and vocabulary while maintaining the same core meaning. Both versions introduce the same topic—teaching creative writing skills in English to enhance students' potential and creativity—and highlight key elements such as narrative, character development, opinion, informal language, and the importance of engaging readers' imagination. However, notable differences include awkward vocabulary choices and stiff sentence structures, such as the incorrect use of "tutoring" and unclear phrases like "different erudite workshop." Additionally, SmallSEO omits important details found in the original, such as specific forms of creative writing like poetry, short stories, and novels. Some errors, including the use of words like "musketeers," also affect clarity. Overall, while the paraphrase attempts to convey the original meaning, various inaccuracies and omissions reduce its effectiveness, and further review is necessary to ensure clarity and accuracy.

Discussion

Below comparative summary of AI paraphrasing tools as follow:

Table 1 The Summary of AI Paraphrasing Tools

Tool	Strengths	Weaknesses / Limitations	Notes on Paraphrase Quality
QuillBot	Multiple paraphrasing modes (Standard, Fluency, Formal, Simple, Creative, Expand, Shorten)	Added phrases not in original ("research done in library")	Good at sentence restructuring and synonym replacement; maintains meaning but introduces minor deviations
Ginger Writer	Rephrases sentences individually, corrects typos, fills missing words	Lacks overall text cohesion; may produce inconsistent theme or flow in longer texts	Effective for sentence-level paraphrasing but less effective for whole text consistency
Spinbot	Free, instant paraphrasing	Word repetition errors, awkward phrasing, inaccurate word choices	Generally similar to original but contains several errors and unnatural expressions

Tool	Strengths	Weaknesses / Limitations	Notes on Paraphrase Quality
Paraphraser.io	Maintains overall meaning, highlights diverse writing techniques	Some awkward or unclear sentences, repeated words	Mostly accurate meaning, but some phrasing issues and slight emphasis changes
EditPad	Changes sentence structure and wording well	Minor differences in emphasis and word choice, slight deviations	Preserves main ideas with moderate rephrasing
Rephrase.info	Maintains meaning while expanding types of written works listed	Some wording changes and structural differences	Good paraphrase with general consistency but adds/changes some content specifics
Prepostseo	Maintains meaning and essence, allows for diverse text types	Sentence structure and word choice changes, slight phrasing differences	Similar to Rephrase.info with slight changes in content specifics and phrasing
SmallSEO	Attempts varied sentence structure and vocabulary	Missing important details, awkward vocabulary, unnatural sentences	Less accurate with noticeable errors; paraphrase requires manual correction

All the paraphrasing tools successfully maintain the core meaning of the original text, which focuses on developing creative writing skills, narrative style, and the importance of feedback. Among them, QuillBot and Ginger Writer stand out as more advanced options, offering various paraphrasing modes and effective sentence-level corrections. However, tools like Spinbot and SmallSEO tend to produce more errors, awkward phrasing, and omit important details. Specifically, Ginger Writer's sentence-level paraphrasing approach can sometimes reduce the overall coherence across paragraphs. Additionally, most tools often add, omit, or slightly alter examples and phrases, which can affect the precision of the paraphrased content. Therefore, manual review and editing remain essential to ensure clarity, cohesion, and accuracy in the final text. This is because automated paraphrasing may introduce awkward phrasing, omit important details, or alter nuances in meaning that only careful human review can catch. Additionally, editing allows for tailoring the text to specific contexts or audiences, enhancing readability and effectiveness. Therefore, relying solely on AI paraphrasing tools without subsequent manual revision may result in content that is technically correct but lacks polish and precision.

AI-based paraphrasing tools offer convenience but have limitations. The quality of output can vary, and the tools may struggle with complex nuances, less common languages, or intricate dialects, leading to inaccuracies. Errors in word selection and insufficient training data can further reduce accuracy. While designed to avoid plagiarism, these tools may still result in unintentional plagiarism if the output is flawed. Additionally, human judgment is often needed to ensure accuracy, requiring extra time and effort from users. Users should carefully review the paraphrased text to ensure its reliability. This explanation is supported by Prentice & Kinden (2018) that free online automatic paraphrase tools depend mostly on synonym replacement without affecting the

general syntax of the sentence. As a consequence, the language that is produced is, at best, unidiomatic and, at worst, nonsensical.

Paraphrasing tools facilitate student's as well as professionals' work. However, there is a need to assess and evaluate the quality of automated paraphrasing by such paraphrasing tools (Wahab et al., 2023). AI-based paraphrasing tools are still developing and need further improvement in quality and reliability. While they can produce grammatically correct outputs, users should review the paraphrased text to ensure accuracy and quality. Despite their convenience, these tools may not always correct grammar errors and can sometimes introduce new ones, affecting the quality of the paraphrased content. Improper punctuation and spelling errors can be challenges when using paraphrasing tools. Changes in sentence structure may cause misplaced punctuation, affecting readability. Additionally, these tools may not always detect or correct spelling mistakes, which can lead to errors in the paraphrased output. Therefore, while AI paraphrasing tools are helpful, users should review and edit the results for grammar, punctuation, and spelling issues to ensure the content's quality and accuracy.

After using AI-based paraphrasing tools, it's important to check grammar, as the results may not be grammatically perfect. AI tools can overlook errors, alter sentence structures, or use words that don't fit the context, leading to grammatical issues. Paraphrasing can also result in complex or unclear sentences. A grammar check helps identify and correct errors, ensuring the text is accurate, coherent, and readable. This step ensures the paraphrased content meets grammatical standards and is easy to understand. Although AI-based paraphrasing tools often strive to maintain correct grammar, punctuation, and spelling, there is no guarantee that the results will always be perfect. Therefore, it is important to always carry out a manual review of the paraphrasing results to ensure that all linguistic aspects have been corrected properly. It is often necessary to manually review and correct paraphrasing results produced by artificial intelligence (AI)-based paraphrasing tools. While these tools can help speed up the paraphrasing process, there is no guarantee that the results will be perfect or fully meet your needs. While AI paraphrasing tools offer convenience and efficiency, manual paraphrasing remains necessary for several reasons (Fitria, 2024b). Firstly, AI algorithms may struggle to grasp the intricacies of context and nuances present in the original text, leading to paraphrases that are not entirely accurate or may contain inaccuracies. Manual paraphrasing allows users to ensure the precision and fidelity of the paraphrased content by carefully considering the context and nuances of the text.

Moreover, paraphrasing tools may lack creativity and diversity in their output, often generating paraphrases that lack originality or fail to capture the essence of the original text. Manual paraphrasing allows for the injection of creativity and variability into the paraphrased content, enhancing its richness and uniqueness. Additionally, while AI tools strive to maintain correct grammar, punctuation, and spelling, the results may not always be flawless. Manual review is essential to identify and rectify any linguistic imperfections present in the paraphrased text, ensuring its linguistic accuracy and professionalism. Furthermore, the importance of accurate content cannot be overstated. Sometimes, paraphrasing tools may inadvertently alter the intended meaning or message of the original text. Manual paraphrasing enables users to carefully scrutinize the paraphrased output, ensuring that it accurately reflects the original intent and effectively communicates the desired message. In summary, while AI paraphrasing tools offer

valuable assistance, manual paraphrasing remains indispensable for ensuring accuracy, creativity, linguistic precision, and content fidelity in the paraphrased output. By combining the efficiency of AI tools with the scrutiny of manual review, users can achieve high-quality paraphrased content that meets their specific needs and objectives.

CONCLUSION

The study reveals that all the paraphrasing tools successfully maintain the core meaning of the original text, which focuses on developing creative writing skills, narrative style, and the importance of feedback. Among them, QuillBot and Ginger Writer stand out as more advanced options, offering various paraphrasing modes and effective sentence-level corrections. However, tools like Spinbot and SmallSEO tend to produce more errors, awkward phrasing, and omit important details. Specifically, Ginger Writer's sentence-level paraphrasing approach can sometimes reduce the overall coherence across paragraphs. Additionally, most tools often add, omit, or slightly alter examples and phrases, which can affect the precision of the paraphrased content. Therefore, manual review and editing remain essential to ensure clarity, cohesion, and accuracy in the final text. This is because automated paraphrasing may introduce awkward phrasing, omit important details, or alter nuances in meaning that only careful human review can catch. Additionally, editing allows for tailoring the text to specific contexts or audiences, enhancing readability and effectiveness. Therefore, relying solely on AI paraphrasing tools without subsequent manual revision may result in content that is technically correct but lacks polish and precision.

AI-based paraphrasing tools can be useful for students and professionals but need further development to improve their quality and reliability. While they maintain good grammar, punctuation, and spelling, they may not always correct all errors. Improper punctuation, incorrect word usage, and complex sentences can compromise the output's credibility. Regular grammar checks are necessary to ensure accuracy, coherence, and linguistic consistency. However, manual paraphrasing is necessary to ensure accuracy, creativity, linguistic precision, and content fidelity. AI algorithms may struggle to understand context and nuances, leading to inaccuracies in paraphrases. Manual paraphrasing injects creativity and variability into the output, enhancing its richness and uniqueness. It is essential to identify linguistic imperfections in the paraphrased text, ensuring linguistic accuracy and professionalism. Combining AI tools with manual review ensures high-quality paraphrased content that meets specific needs and objectives.

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