

The Use of Artificial Intelligence (AI) in Teaching English Writing

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ABSTRACT

This study investigates the use of Artificial Intelligence (AI) in English language teaching. It examines the integration of AI in learning English writing skills. The research employs a library research method by reviewing relevant books, articles, and previous studies related to AI in language learning. The findings reveal that AI can create a supportive and interactive environment for learning English by providing personalized feedback, adaptive learning opportunities, and increased access to learning resources. AI-powered tools are able to assist learners in improving grammar accuracy, vocabulary choice, sentence structure, paragraph organization, and overall writing quality. In addition, these technologies help students generate ideas, revise drafts, and build confidence during the writing process. Therefore, the integration of AI in teaching English writing can be considered an innovative approach to improving the effectiveness of the learning process and enhancing students' writing achievement.

ABSTRAK

Penelitian ini mengkaji tentang penggunaan *Artificial Intelligence* (AI) dalam pengajaran bahasa Inggris. Penelitian ini meneliti integrasi AI dalam pengembangan keterampilan menulis bahasa Inggris. Penelitian ini menggunakan metode penelitian studi pustaka dengan menelaah buku, artikel, dan studi sebelumnya yang relevan terkait AI dalam pembelajaran bahasa. Temuan penelitian menunjukkan bahwa AI dapat menciptakan lingkungan belajar bahasa Inggris yang mendukung dan interaktif dengan memberikan umpan balik yang dipersonalisasi, peluang pembelajaran adaptif, serta akses yang lebih luas ke sumber daya pembelajaran. Alat-alat yang didukung AI mampu membantu siswa dalam meningkatkan akurasi tata bahasa, pemilihan kosakata, struktur kalimat, pengorganisasian paragraf, dan kualitas menulis secara keseluruhan. Selain itu, teknologi ini membantu siswa menghasilkan ide, merevisi draf, dan membangun kepercayaan diri selama proses menulis. Oleh karena itu, integrasi AI dalam pengajaran menulis bahasa Inggris dapat dianggap sebagai pendekatan inovatif untuk meningkatkan efektivitas proses pembelajaran dan meningkatkan prestasi menulis siswa.

Kata Kunci

: *Teknologi, Artificial Intelligence, Bahasa Inggris, Menulis*

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INTRODUCTION

The world has changed rapidly into transformative technological era. In this era, technology is considered as crucial part in human life where they can facilitate human to do many tasks. It changes the way how the people work, communicate, and transport. The advancement of technology has impacted many fields, including education. One of the latest technology which has been the central topic across educational environment is Artificial Intelligence (AI) (Liu, 2024). According to Boucher (2020), Artificial Intelligence (AI) is a system that demonstrate intelligent behavior by identifying its surrounding and perform actions.

In the field of education, AI offers many opportunities to improve the quality of teaching and learning processes. It can be used to personalize learning materials, provide instant feedback, assess students' progress, and support teachers in managing classroom activities. As a result, the integration of AI into education has changed traditional teaching methods into more innovative and student-centered approaches. Teachers are no longer the only source of knowledge, as students can access information and learning support through intelligent technologies. Therefore, understanding the role of AI in education, particularly in English language teaching, has become important in order to maximize its benefits and address possible challenges in its implementation.

Writing is an important learning skill that serves as a communication tool and a medium for conveying thoughts, ideas, opinions, and feelings (Rosdiana, et.al., 2024). Through writing, students are able to express themselves clearly, organize information logically, and share knowledge with others. In academic contexts, writing is essential for completing assignments, preparing reports, composing essays, and participating in scholarly communication. It also plays a significant role in developing critical thinking, creativity, and problem-solving abilities, as students must analyze ideas and present them in a structured form.

Writing becomes considerably challenging when students have to write using foreign language. This difficulty stems from the fact that many English as a Foreign Language (EFL) learners, especially in Indonesia, have not yet attained sufficient proficiency in writing. Unlike native speakers, EFL students must simultaneously focus on generating ideas and expressing them accurately in another language. This dual process often creates cognitive stress, as students need to translate their thoughts from their first language into English.

Writing is also challenging because unlike speaking, writing must follow linguistic rules and formal academic style, which can be demanding for EFL learners. These multiple aspects may slow down writing process and reduce students' confidence in expressing their ideas effectively. Consequently, the language barrier becomes a major factor that intensifies students' difficulties in writing.

Integrating Artificial Intelligence (AI) into writing instruction can support the expressive and interactive aspects of writing. Some AI-powered tools provide students with opportunities to draft, revise, and improve their texts through instant feedback and personalized suggestions. AI-powered tools such as chatbots, virtual tutors, grammar checkers, and automated writing assistants have become increasingly popular in language learning. These tools help learners practice independently and receive guidance anytime and anywhere.

Students at this age are often referred to as "digital natives" because of their familiarity with technology from an early age. Growing up in a digital era, they are accustomed to using smartphones, computers, social media, and online platforms in their daily lives. They possess digital skills that enable them to make broader and more effective use of technological tools for communication, learning, and creativity. As a result, integrating AI into writing instruction aligns well with students' technological habits and preferences. Since they are already

comfortable with digital environments, students are more likely to adapt quickly to AI-based learning tools and use them productively to strengthen their writing competence.

By combining writing instruction with AI technology offers opportunities for modern education. It not only improves technical writing skills but also encourages independence, motivation, and meaningful engagement in the learning process. When used appropriately under teacher guidance, AI can become a valuable partner in helping students develop as effective and confident writers in the digital age.

Therefore, this study concerns on how Artificial Intelligence (AI) is utilized in teaching English writing and how effective it is in supporting students' writing development. The focus is to identify the types of AI tools that are commonly used in teaching English writing, such as grammar checkers, automated feedback systems, and AI-powered writing assistants. It analyze the effectiveness and limitations of these tools in improving students' writing performance and motivation. The last, it explores students' experiences toward the use of AI in writing.

RESEARCH METHOD

This study investigates the use of Artificial Intelligence (AI) in the academic environment, specifically in the field of English language teaching, by employing a qualitative approach known as library research. Library research is a method that involves examining and analyzing a wide range of existing literature relevant to a particular research problem, such as books, academic articles, reports, and other written works. Rather than collecting primary data directly from the field, this approach relies on previously published sources as the main foundation for investigation. As noted by Hamid & Prasetyowati (2023), library research utilizes data that already exist in documented form, which are then gathered, reviewed, and interpreted.

By systematically analyzing various reference books, scholarly journals, conference papers, and other academic publications related to teaching English writing, a strong theoretical foundation can be compiled. These sources provide important insights into how AI has been integrated into learning writing, the benefits it offers, and the challenges faced by teachers and students. In addition, reviewing previous studies helps identify current trends, research gaps, and practical strategies that can support the effective use of AI in teaching English writing.

RESULTS AND DISCUSSION

The collective findings confirm that teaching the English language can no longer ignore the presence and influence of Artificial Intelligence (AI). The rapid development of digital technology has changed the educational landscape, making AI an increasingly important component of modern teaching and learning processes. AI is now widely used in various educational tools such as grammar checkers, writing assistants, adaptive learning platforms, virtual tutors, and automated assessment systems. As a result, English language teaching must respond to these changes in order to remain relevant, effective, and aligned with the needs of today's learners.

Instead of merely accepting the presence of AI, teachers need to undertake a meaningful transformation from traditional teaching methods to the integration of AI-based tools. Conventional teacher-centered approaches, which often rely heavily on lectures, printed materials, and one-way communication, need to be complemented by more interactive, flexible, and technology-supported strategies. By integrating AI into classroom practices, teachers can provide personalized instruction, immediate feedback, and more engaging learning experiences for students. This transformation allows learning to become more student-centered, where learners actively participate and progress according to their individual abilities and needs.

A variety of AI tools are currently used to support the development of writing skills in educational settings. These tools help learners improve the quality of their writing by providing automatic feedback, correcting language errors, enhancing vocabulary use, and assisting in organizing ideas. The integration of AI-powered writing applications has become increasingly popular because they offer practical support that can be accessed anytime and anywhere. As a result, students are able to revise their work more independently and efficiently while developing greater confidence in their writing abilities.

One of the finest AI-powered writing applications recognized globally and widely used by learners, teachers, and professionals is Grammarly (Fitria, 2021). Grammarly is a free online grammar checker that can identify spelling errors, grammatical mistakes, punctuation problems, and flaws in sentence structure. In addition, it provides suggestions to improve clarity, tone, conciseness, and overall readability. Some advanced features also include plagiarism detection, making it especially useful for academic writing. Because of its user-friendly interface and instant feedback system, Grammarly has become one of the most trusted tools for improving English writing accuracy.

Grammarly is not only a tool to assist students in identifying and correcting their mistakes, but also promotes direct learning through the feedback and suggestions it provides. By reviewing these recommendations, students can better understand the principles of effective writing and gradually internalize the rules of proper grammar, structure, and style. As a result, the tool supports both immediate error correction and long-term improvement in writing skills (Kusuma & Zuhri, 2025).

Another potential AI writing assistant is QuillBot, which is widely known for its paraphrasing capabilities. QuillBot helps users rewrite sentences while preserving the original meaning, making it useful for summarizing information, avoiding repetitive wording, and improving sentence variety. It also offers grammar checking, vocabulary enhancement, citation tools, and plagiarism detection features. For students who struggle to express ideas clearly or need assistance in rephrasing academic texts, QuillBot can serve as an effective learning companion.

Research finding from Niswa and Amsari (2025) shows that students gave positive responses to the use of Quillbot as a tool to help them in improving their English writing skills. Students find many advantages in Quillbot such as being able to paraphrase sentences, find grammar and punctuation errors, and several other things even though they only use the free or unpaid version. Quillbot as an AI power English writing assistant is an effective AI to use based on the many advantages found by the students.

Turnitin is another powerful AI-supported tool that is primarily used in academic contexts to check the originality of written articles, essays, and research papers (Wulandari et al., 2024). It compares submitted texts with a large database of published works, websites, and previous student submissions to identify similarities. This tool plays an important role in promoting academic integrity and helping students understand the importance of proper citation and ethical writing practices. Teachers also use Turnitin to evaluate students' written assignments and guide them in producing authentic academic work.

In addition to improve writing skills, Turnitin can also improve creativity and critical thinking. Turnitin helps students to become more aware of the authenticity of their work while also supporting them in expressing their ideas more effectively in writing. Through this process, students can identify areas that need improvement, revise unclear sections, and develop stronger confidence in presenting their own thoughts (Nova & Utami, 2018).

The latest developments have introduced ChatGPT and other large language models such as Bing AI and Claude as transformative writing tools capable of handling more complex

tasks. These tools can generate ideas, suggest outlines, revise drafts, improve writing style, explain grammar rules, and respond to prompts in natural language (Akanda & Talukder, 2026). They can also adapt to different writing purposes, including academic essays, creative writing, professional communication, and language practice. With their interactive and conversational features, these AI systems provide a new dimension of support for learners who need immediate assistance during the writing process.

A study on the impact of ChatGPT in enhancing the writing letter skill shows that ChatGPT-assisted intervention significantly enhanced students' performance in writing explanation letters across all assessed components. Substantial improvements in format, organization, elaboration, and tone demonstrate the effectiveness of the tool in developing higher-order writing skills, such as structuring ideas clearly, expanding content meaningfully, and using an appropriate style of communication (O'Brien-Melford & Gador, 2025).

The summary from the use of AI in teaching English writing is as follows.

a. AI can improve grammar accuracy

Artificial Intelligence (AI) has significant potential to improve students' grammar accuracy in writing. Many AI-powered tools such as Grammarly, QuillBot, and ChatGPT are designed to detect grammatical errors, spelling mistakes, punctuation problems, and incorrect sentence structures. These tools provide instant feedback and correction suggestions, allowing students to identify their mistakes and revise their writing immediately. Through regular use, learners become more aware of common grammar errors. As a result, students gradually develop stronger grammatical competence and produce more accurate written texts. In addition, the immediate nature of AI feedback saves time for both teachers and learners, making the revision process more efficient and productive (Eragamreddy, 2024).

b. AI can reinforce writing organization

AI can also reinforce students' ability to organize their writing effectively (Afifah, 2024). One of the common challenges faced by language learners is arranging ideas logically and creating coherent paragraphs. AI writing assistants can help students generate outlines, structure essays, organize supporting details, and connect ideas smoothly. For example, AI tools may suggest introductions, topic sentences, transitions, and conclusions based on the writing topic. This guidance enables students to understand the importance of logical sequencing and paragraph unity. Furthermore, AI can analyze whether a text flows clearly from one idea to another, helping learners improve coherence and cohesion. With continuous support, students can develop better writing organization skills and produce texts that are clearer, more systematic, and easier to understand.

c. AI provides on the spot feedback

To develop strong writing skills, students need consistent and detailed feedback. However, evaluating essays and giving feedback takes a great deal of time for human reviewers. Many current uses of AI writing technologies are already familiar to readers, including Grammarly, Turnitin, and the essay evaluation tools used by publishers and testing organizations. Newer AI-powered tools place greater emphasis on offering constructive feedback and helping students improve their writing abilities. With this affordable support alongside human feedback, opportunities to learn writing skills could become more equitable (Cardona, et.al., 2023).

d. AI as emotional support

AI also serves as emotional support that helps reduce students' anxiety in writing (Hawani & Zubayduloevna, 2023). Many students feel nervous, insecure, or afraid of

making mistakes when writing in English, especially when they have limited vocabulary or weak grammar skills. AI tools provide a non-judgmental environment where students can practice freely without fear of criticism from others. They can revise drafts multiple times, ask questions repeatedly, and receive assistance at any time. This supportive atmosphere helps build students' confidence and encourages them to participate more actively in writing tasks. Some students who encountered difficulties with academic vocabulary and grammar found that their regular use of various AI tools helped them learn more effectively and write with greater motivation. Therefore, AI not only supports technical aspects of writing but also contributes positively to students' emotional well-being during the learning process.

Although AI writing assistants can be helpful in generating ideas and producing written content, their output must be carefully reviewed and revised to ensure accuracy, coherence, and compliance with academic standards. AI-generated text may contain factual errors, unclear arguments, inconsistent information, or language that does not fully match the intended context. If such content is used without careful evaluation, it can reduce the credibility and quality of academic work. This occurs because AI systems are still limited in their ability to fully understand disciplinary conventions, complex nuances, contextual meaning, and the specific requirements of scholarly writing. Therefore, human judgment remains essential in assessing whether the generated content is appropriate, reliable, and academically acceptable (Rezaee & Allahyari, 2023).

Furthermore, relying solely on AI writing tools is insufficient to guarantee originality and authenticity in academic assignments. Since AI systems generate responses based on patterns from existing data, there is a possibility of producing repetitive expressions, inaccurate references, or content that resembles previously published materials. As a result, users must remain responsible for checking the originality of their work and ensuring that all ideas are properly developed and ethically presented.

Consequently, AI writing technologies should be used wisely as supportive instruments rather than substitutes for critical thinking and original creativity. When AI is used responsibly, AI can enhance productivity and assist the writing process. However, the final responsibility for quality, originality, and academic honesty always remains with the writer. Teachers also have a vital role in becoming AI as valuable resources for helping students strengthen their writing skills and achieve better learning outcomes.

CONCLUSION

This research leads to the conclusion that the emerging of Artificial Intelligence (AI) in teaching English language brings a new look and adaptation in teaching. AI greatly improves the teaching and learning of English writing by integrating advanced technologies into the writing process. Various AI-powered tools such as grammar checkers, automated writing assistants, plagiarism detectors, and language models can help students during different stages of writing. These tools support learners in generating ideas, organizing paragraphs, correcting grammatical mistakes, improving vocabulary choice, and refining sentence structures. As a result, students are able to produce better-quality writing while learning from the feedback provided by the system. Teachers can also use these technologies to save time in correcting basic errors and focus more on higher-level aspects of writing such as content development, coherence, and creativity.

However, further research is still needed to examine the long-term impact of AI on students' writing development, critical thinking, and creativity. Future studies may also explore

teachers' readiness to integrate AI tools, students' perceptions of AI-assisted writing, and the ethical issues related to plagiarism, overdependence, and data privacy. Therefore, it would provide deeper insights into the most effective strategies for implementing AI in teaching English writing.

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