Chandra Pratama

Artificial Intelligence Tools for Research Writing: Practical Tips for Teachers

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Artificial Intelligence Tools for Research Writing: Practical Tips for Teachers

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ABSTRACT

Writing research papers is a challenging task for many students, particularly when it comes to organizing ideas, finding appropriate references, and adhering to academic styles. This responsibility places significant demands on teachers to guide students through the complexities of academic writing. This paper explores the integration of artificial intelligence (AI) tools into the research writing process as a solution to these challenges. It examines various AI applications that support content generation, literature review, data analysis, editing, and citation management. While these tools offer substantial benefits in enhancing students' writing skills, the paper emphasizes the critical role of teachers in ensuring responsible use of AI. Practical instructional strategies are provided for teachers to effectively incorporate AI tools at different stages of writing, such as brainstorming, drafting, refining clarity and style, managing references, ensuring originality, and analyzing data. The conclusion highlights that although AI tools are valuable assets in research writing, teachers remain essential in guiding students to use these technologies critically and effectively.

Keywords: Artificial Intelligence, research writing, classroom activities

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Writing research papers is an important task for English and non-English major students, particularly for those in graduate programs and final-year undergraduate studies. Developing strong research writing skills is essential, yet many students find it challenging to organize their ideas, locate appropriate references, and adhere to an academic style. These challenges place a significant responsibility on teachers, who must guide students through the complexities of academic writing.

In recent years, the integration of artificial intelligence (AI) into language teaching has gained momentum as a potential solution to address challenges in research writing (Praphan & Praphan, 2023). AI-powered tools, such as *Grammarly* and *Trinka*, offer real-time feedback on grammar, style, and coherence, helping students refine their writing. Additionally, AI-based tools such as *Elicit* can assist students in efficiently finding relevant literature, while citation management tools such as *Recite* can simplify the process of handling references. To fully benefit from these tools, it is important that teachers provide guidance. This support helps students think critically about AI-generated content, which is crucial for maintaining originality and ensuring academic integrity.