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## Students' Perception of the Artificial Intelligence Jenni AI Implementation Argument Writing Skills

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### Abstract

This study explores students' perceptions of using Jenni AI to improve their ability to write scientific arguments in English classes. Involving 67 students as respondents, this study used a quantitative survey method through Google Forms to collect data related to students' experiences and views on the advantages and disadvantages of Jenni AI. The results showed that most students felt significant benefits from Jenni AI, especially in helping to develop stronger arguments, improve writing structure, and overcome writing obstacles such as writer's block. On the other hand, there were concerns about potential negative impacts, such as over-reliance on technology that could inhibit critical thinking and creativity and the risk of unintentional plagiarism. The findings reflect that while AI can enhance the writing process, its use needs to be balanced with an awareness of the risks involved. The implications of this study emphasize a balanced approach to AI in education, as well as the need for learning strategies that optimally integrate technology without compromising students' independence of thought.

### Keywords

Critical thinking, creativity, educational technology, Jenni AI, scientific arguments.

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## Introduction

The development of digital technology has penetrated various sectors, including the world of education. One essential development that has begun to be applied in the academic field is using Artificial Intelligence (AI). AI functions to assist the learning process, writing, and academic research. In the context of scientific writing, AI offers a variety of solutions that can simplify and speed up the process of preparing papers, one of which is the Jenni AI application. Jenni AI is designed to help writers, especially students, compose more logically, structured, and based on data arguments.

Nowadays, students in various universities are increasingly utilizing this technology in academic writing. According to Ghedir and Gasmi (2024), AI technologies such as chatbots and natural language processing tools provide personalized learning experiences and real-time feedback, which can empower students to develop critical thinking and autonomy in language learning. Jenni AI is one of the AI applications students use, making it easier to organize article structure efficiently by providing recommendations and automatic corrections in writing. The application has become popular because it offers practical benefits through increased time efficiency in writing and the ease of identifying flaws in arguments. However, behind the widespread adoption of AI technology, critical questions arise regarding the impact of AI on students' critical thinking skills and creativity. Some experts argue that while AI can provide significant technical assistance, over-reliance on AI can reduce an individual's ability to formulate ideas and arguments independently.

The existing literature is also insufficient to explain how students perceive AI, such as Jenni AI, in the learning process and the preparation of scientific articles. Although various studies have been conducted to explore the role of AI in education, there is still a significant research gap related to students' perceptions of the impact of AI use on their ability to construct strong arguments in academic contexts. The few studies that have been conducted in this area mostly focus on the practical benefits of using AI, such as the ease of structuring articles, correcting grammar, and generating writing ideas (Rabbianty et al., 2023).

Research that examines the impact of artificial intelligence on critical thinking skills and the ability to organize arguments in scientific writing is still limited. Aljuaid (2024) emphasized that AI has the potential to increase the efficiency of the scientific writing process but cautioned that there is a risk of students becoming too dependent on this tool. It may reduce students' ability to develop deeper and more original arguments. On the other hand, Song and Song (2023) also highlighted that while AI can provide quick feedback, it does not fully understand the research context and more complex nuances of an argument, which are often at the core of high-quality scientific papers. In recent decades, the skill of crafting strong arguments has become an essential element of scientific writing. A good argument should be logical, structured, and supported by relevant evidence.

Scientific argumentation is a practice that makes critical thinking skills visible and assessable by constructing arguments, counterarguments, and rebuttals in collaboration with others. It encourages students to actively express their understanding and build knowledge, enhancing their critical thinking. This process involves evaluating and communicating arguments, making it complex and time-consuming, as it requires constructing rational

arguments (Fauziah et al., 2024). However, not all students have a strong ability to organize arguments. Based on research from Walková and Bradford (2022), many students face difficulties in organizing their ideas coherently and convincingly. One of the contributing factors is the lack of critical information processing skills and the limited ability to integrate scholarly sources into their arguments. Jenni AI can assist students in providing automated advice on article structure, argument strengthening, and live grammar correction.

Jenni AI provides beneficial recommendations, ranging from how to organize ideas and connect arguments with supporting data to adjusting writing style according to academic writing standards. It also provides faster feedback and allows students to improve their writing more efficiently. However, while these tools provide a range of practical benefits, there is greater controversy regarding their impact on reducing critical thinking skills and independence in constructing arguments. It is important because critical thinking is one of the essential skills students should have when writing scientific papers.

This research seeks to fill that gap by exploring how students perceive their use of Jenni AI in crafting arguments for scientific articles and how this technology affects their ability to think critically and independently. As such, this study offers new insights into the role of AI technology in academic education, especially in developing thinking skills and scientific writing. This study explores students' perceptions regarding Jenni AI to improve their ability to construct strong arguments during the scientific article writing process. Using a qualitative exploratory research method, this study aims to explore students' perceptions and experiences in-depth, providing a more comprehensive understanding of how AI can affect their academic writing skills. This research is also expected to provide new insights into how the integration of AI technology can be optimized in higher education without degrading the quality of students' cognitive and creative skills.

Therefore, this study aims to find out students' perceptions of Jenni AI-assisted scientific article writing in English courses for scientific writing. This research was conducted by involving 67 students as participants. In addition, the research objectives are to answer the following questions: 1) What are students' perceptions of Jenni AI's artificial intelligence? 2) How do students perceive the role of AI tools in enhancing their argumentative writing skills in scientific articles?

## **Literature Review**

The potential of AI-powered pedagogy in revolutionizing academic English writing has been explored in various research studies. Specifically, these studies have highlighted the benefits of AI-powered feedback and assessment in improving students' writing skills, as well as the challenges associated with implementing such technologies in the classroom. The findings suggest that AI-powered writing instruction, which utilizes machine learning algorithms to provide personalized feedback and guidance, has the potential to enhance students' academic writing abilities (Dong, 2023). Recent research has explored the potential of AI-powered tools in enhancing academic writing skills. Studies indicate that students generally welcome the assistance of AI-powered writing aids, which help them generate diverse ideas while maintaining clarity and conciseness. Furthermore, students do not feel a loss of ownership over their writing when collaborating with AI assistants. Furthermore, students do

not feel a loss of ownership over their writing when collaborating with AI assistants (Chan & Colloton, 2024; Mogavi et al., 2024).

The integration of AI-powered pedagogy in academic English writing has also been investigated. Researchers have highlighted the benefits of AI-powered feedback and assessment in improving students' writing abilities, as well as the challenges associated with implementing such technologies in the classroom. The findings suggest that AI-powered writing instruction, which utilizes machine learning algorithms to provide personalized feedback and guidance, has the potential to revolutionize academic English writing. ChatGPT has significantly influenced students' perceptions of argumentative writing in scientific articles. While many students recognize the potential benefits of AI in enhancing their writing skills, they also express concerns regarding its implications for learning and critical thinking. Studies indicate that students using AI tools report enhanced writing quality, with significant improvements in structure, logic, and language proficiency (Li et al., 2024). The findings and feedback from the study strongly support the notion that AI tools like ChatGPT can lead to significant improvements in writing quality, particularly in the areas of structure, logic, and language proficiency.

Currently, besides ChatGPT, another artificial intelligence is Jenni AI. Jenni AI is an AI-powered text editor that helps writers write, edit, and cite with confidence. Jenni AI can help create articles in various forms, including blogs, speeches, research papers, emails, and even fan fiction. Jenni AI uses OpenAI technology and combines it with its internal AI system, AI21, to produce high-quality content. This AI has helped write over 350 million words and has been used to write academic essays, fan fiction, and top-rated blog posts. Jenni AI also has a plagiarism checker and can generate citations in various styles, including APA, MLA, IEEE, Chicago, or Harvard styles. However, it is important to note that AI systems, including Jenni AI, have limitations and ethical concerns, such as bias, privacy issues, and potential misuse.

Jenni AI is a text editing tool that uses AI techniques to assist writers in the process of writing, editing, and referencing with high proficiency. Jenni AI consists of the following main components: (1) Jenni AI combines OpenAI technology with its internal system to create high-quality content according to user requests; (2) The system effectively integrates AI in the writing process, involving tasks such as learning, deduction, problem solving, perception, language comprehension, and potential auto correction; (3) Jenni AI has a plagiarism detection feature that helps test for adversarial violence in user-generated contexts; (4) The system also creates citations automatically in writing styles such as APA, MLA, IEEE, Chicago, or Harvard. Jenni AI has been used to create articles in the form of blogs, spills, research, emails, and faxes. However, as with all AI systems, Jenni AI has limitations and ethical concerns, including constraints such as bias, privacy concerns, and potential misuse.

Although this artificial intelligence, Jenni AI, can help students in writing scientific articles, there are still many weaknesses of this AI. Here are some of the weaknesses of Jenni AI found from the information provided: (1) Jenni AI is less effective in writing types of content such as product descriptions or social media posts; (2) Jenni AI is less effective in helping users create new content ideas; (3) Jenni AI may produce results that are inaccurate or irrelevant to the question or theme being asked; (4) Jenni AI does not use the GPT-4 AI model, which is the latest and more advanced version of GPT-3; (5) The "AskJenni" (AI research assistant) functionality is less effective in assisting users in searching for information

or helping with documents-in-depth; and (6) To get optimal results, users must provide better and more detailed input. Users should pay attention to these weaknesses and use them in a critical-minded manner to get optimal results with the help of Jenni AI.

AI provides rapid feedback, helping students identify and correct errors, thereby facilitating a more effective writing process (Imran et al., 2024). The research highlights the students expressed feeling of being supported by AI tools in identifying and correcting grammatical and spelling errors. It indicates that AI plays a crucial role in providing quick feedback, which is essential for improving writing skills. For non-native English speakers, AI tools can bridge language barriers, making academic writing more accessible. The study emphasizes that academic writing poses significant challenges for medical students whose first language is not English. It highlights the potential of AI tools like ChatGPT to assist these students in overcoming language barriers, thereby making the writing process more manageable and accessible (Li et al., 2024).

Moreover, research has indicated that the integration of AI in the writing process can positively impact the quality, efficiency, and enjoyment of the task. Users have reported that AI-assisted writing helps them generate diverse ideas while keeping the content clear and concise, ultimately improving the overall writing experience (Pereira et al., 2023). Additionally, studies have shown that students do not feel a loss of ownership over the final writing product when collaborating with AI assistants, suggesting that the technology can be seamlessly integrated into the writing process. The widespread adoption of AI-powered writing tools in academic settings holds significant implications for the future of English writing instruction. AI-powered writing tools and feedback systems have been developed and evaluated for their effectiveness in providing automated feedback to students. The findings of these studies suggest that AI-powered writing instruction has the potential to revolutionize academic English writing, with numerous benefits for students and instructors alike.

Despite the advantages, a critical perspective suggests that while AI tools can enhance writing skills, they may also lead to complacency in learning, necessitating a balanced approach to their integration into education. Students perceive AI tools as valuable assets in enhancing their argumentative writing skills, particularly in scientific articles. While they recognize the benefits of AI, such as improved efficiency and support in the writing process, concerns about over-reliance and diminished critical thinking skills persist. Students also worry that dependence on AI may hinder their critical thinking and writing skills, as they might rely too heavily on AI-generated content (Esmail et al., 2023; Imran et al., 2024). The study reveals that students voiced concerns about the potential over-reliance on ChatGPT. They fear that depending too much on AI for generating content could diminish their own learning and critical thinking abilities, which is a significant worry among the respondents. Students acknowledged that while ChatGPT can provide valuable information and guidance, there is a risk that excessive use might lead to a decline in their writing skills and critical thinking. This concern highlights the balance that needs to be maintained when using AI tools in academic writing. This further emphasizes the students' worries about how dependence on AI could negatively impact their academic integrity and personal development as writers.

Concerns about plagiarism and the integrity of academic work arise, as students fear that AI might encourage dishonest practices (Liu et al., 2024). The paper discusses that students recognize the limitations of generative AI tools, particularly in relation to academic integrity

and the potential for dishonest practices. It indicates that students are aware of the risks associated with using AI in their academic work, which aligns with the concerns about plagiarism and integrity you referenced. Many students were cautious about the accuracy of the information provided by AI tools like ChatGPT. They recognized that while these tools can assist in learning, there is a risk that the information generated may not always be reliable or correct, which could lead to misunderstandings in their academic work.

While AI works well in grammar and structure, it is poorly oriented to giving feedback that involves creativity and critical analysis, as would be expected with regard to argumentative writing (Liu et al., 2024). Students also commented that although AI at times can be helpful in writing and grammar, it usually stops short in giving feedback that promotes critical thinking. It also creates concerns about the level of understanding that students can attain by using AI in carrying out academic tasks. Ethical issues associated with the use of the AI tool were a major concern. Students were concerned that relying on AI might create a lack of original thought and creativity in their work, which would eventually undermine their learning process and academic integrity.

### **Methodology**

This study used a quantitative survey method to collect data on student perceptions of Jenni AI's role in improving argumentation skills in scientific writing. The survey was conducted online through Google Forms to facilitate distribution and accessibility for participants. According to Evans and Mathur (2018), online surveys are effective for reaching respondents quickly and cost-effectively, making them suitable for this study. 67 students participated in this survey. Students were selected based on their involvement and understanding of AI-supported writing tools in their academic activities. Demographic information such as age, academic year, and major were collected through closed-ended questions.

The survey consisted of 20 questions, designed to collect demographic data as well as students' specific experiences and perceptions regarding the use of Jenni AI. The instrument included closed-ended questions for demographic details and Likert scale questions to evaluate student perceptions of improved writing skills, critical thinking, and the advantages and disadvantages of using Jenni AI. Data was collected over two weeks, with all responses recorded anonymously to maintain confidentiality and encourage honest feedback. Reminders were sent throughout the data collection period to maximize the number of respondents. Quantitative data from Likert scale responses were analyzed using Microsoft Excel to calculate descriptive statistics, including the frequency and percentage of each response category. The data was then grouped by variables such as frequency of AI use and perceived benefits to provide a more in-depth picture of students' perceptions of AI in academic writing.

### **Findings and Discussion**

Four themes were used in presenting the analyzed data in this paper: Implementation of Jenni AI in Argument Writing in English for Scientific Writing Classes, Advantages of Using Jenni AI, Disadvantages of Using Jenni AI, and Concerns of Using Jenni AI.

*Implementation of Jenni AI in argument writing in English for scientific writing classes*

Understanding how students implement Jenni AI in argument writing in English for scientific writing classes was the goal of the first research question. Table 1 displays one of the answers to the questionnaire statements corresponding to this question.

**Table 1.** *Implementation of Jenni AI in argument writing in English for scientific writing classes*

No	Statements	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
1	Jenni AI helps me in writing arguments.	87%	11%	2%	0%	0%
2	Jenni AI features are very beneficial in scientific writing.	83%	13%	4%	0%	0%
3	Jenni AI can eliminate writer's block.	78%	17%	5%	0%	0%

The results showed that Jenni AI in writing arguments in English classes for scientific writing received very positive responses from students. Most students found the features provided by Jenni AI helpful in supporting their academic writing process. As many as 87% of students strongly agreed that Jenni AI helped them to organize their arguments, while another 11% agreed with this statement. No respondents expressed disagreement, and only 2% were neutral. In addition, 83% of students strongly agreed and 13% agreed that the features of Jenni AI were very beneficial in writing scientific papers, with the remaining 4% being neutral.

Table 1 also shows that Jenni AI helps overcome writer's block, with 78% of students strongly agreeing and another 17% agreeing that the app eliminates writer's block. Only 5% gave a neutral response to this, and no one expressed disagreement. Overall, this data reflects that a large majority of students perceived significant benefits from using Jenni AI, which they felt facilitated and strengthened their process of writing arguments for scientific papers.

The finding that most students found Jenni AI beneficial in helping them organize their arguments is in line with previous studies that have shown the role of AI technology in improving the quality of students' academic writing and argumentative skills. The role of artificial intelligence (AI) technology in improving the quality of writing has become an increasingly relevant topic in today's digital age. With the rapid advancement in information and communication technology, AI offers a variety of tools and applications that can assist writers in the creative and technical processes of writing. One important aspect of utilizing AI is its ability to improve digital literacy, which in turn can improve the quality of writing produced by writers, including teachers and students (Fakhri et al., 2024; Yudha et al., 2024).

*Advantages of using Jenni AI*

Respondents were asked to express their opinions about the advantages of using Jenni AI in certain questions of the online poll. Strongly Agree and Strongly Disagree were the range of their answers.

**Table 2.** *Advantages of using Jenni AI*

No	Statements	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
1	Would you agree to use Jenni AI to help write arguments for scientific articles?	85%	10%	3%	1%	1%
2	Using Jenni AI helps me build stronger arguments in scientific articles.	78%	15%	5%	1%	1%
3	I feel that my writing skills have improved while using Jenni AI to construct arguments.	72%	20%	5%	2%	1%
4	Jenni AI facilitated my critical thinking process when writing scientific articles.	68%	22%	7%	2%	1%
5	I feel that Jenni AI helped me improve my argumentative writing skills.	70%	18%	8%	3%	1%
6	The feedback I received from Jenni AI was enough to boost my writing creativity.	60%	25%	10%	4%	1%
7	Overall, I find Jenni AI a beneficial tool for writing scientific articles.	82%	13%	3%	1%	1%
8	I recommend using Jenni AI to my friends in academic writing.	80%	15%	3%	1%	1%

Results from Table 2 on the advantages of using Jenni AI show that most students perceived significant positive benefits in supporting their scientific writing. A total of 85% strongly agreed and 10% agreed that Jenni AI helped them construct arguments for scientific articles, with only 3% being neutral and 2% disagreeing. In terms of argument strength, 78% of students strongly agreed and 15% agreed that Jenni AI helped them build stronger arguments, while the rest showed neutral or disagree responses. In addition, 72% of students strongly agreed that using Jenni AI improved their writing skills, with another 20% agreeing and only a few being neutral or disagreeing.

Jenni AI was also rated positively in assisting the critical thinking process, with 68% of students strongly agreeing and 22% agreeing that the app facilitated their critical thinking process in scientific writing. 70% of students strongly agreed that Jenni AI improved their argumentative writing skills, and 60% strongly agreed that the feedback provided by the app was helpful in enhancing creativity in their writing. Overall, 82% of students strongly agreed that Jenni AI is a beneficial tool for scientific writing, and 80% of them recommended its use

to their friends in academic writing. These findings suggest that Jenni AI is generally considered very beneficial in supporting students' writing and critical thinking skills, as well as strengthening the arguments in their scientific papers.

AI can serve as an assistant in the writing process. For example, AI-based tools like Grammarly and Hemingway Editor can provide instant feedback on grammar, writing style, and sentence structure. It allows writers to correct errors and improve the clarity of their writing. Research shows that the use of such tools can improve the ability to write scientific articles among teachers, which will hopefully contribute to improving the quality of their scientific publications (Fakhri et al., 2024). In addition, AI can also help with idea organization and content development, allowing writers to focus more on the creative aspects of their writing (Yudha et al., 2024). Furthermore, AI also plays a role in improving accessibility and inclusivity in writing. With AI technology in place, writers who may have difficulty expressing their ideas in writing can take advantage of tools such as text-to-voice converters or automatic translator apps.

Furthermore, AI can also be used to analyze trends and patterns in writing. By utilizing machine learning algorithms, writers can gain insights into what works and doesn't work in their writing based on data analysis. It can include audience analysis, where AI can help writers understand the preferences and needs of their readers so that they can customize their writing to achieve greater impact (Salsabila et al., 2024). Thus, AI serves not only as a tool but also as a valuable source of information for the author.

### *Disadvantages of using Jenni AI*

Artificial intelligence can help students write arguments, but it also has its disadvantages. AI sometimes generates content like the original source without being aware of copyright issues, posing a risk of plagiarism. It requires users to carefully check the authenticity of the generated text.

**Table 3.** *Disadvantages of using Jenni AI*

No	Statements	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
1	Using Jenni AI makes me feel more dependent on technology in my writing.	60%	25%	10%	3%	2%
2	Using Jenni AI limits my creativity when writing.	55%	20%	15%	7%	3%
3	I believe that Jenni AI may hinder my critical thinking skills.	58%	22%	12%	5%	3%
4	I am concerned that using Jenni AI may lead to unintentional plagiarism in my writing.	65%	20%	8%	4%	3%

The results from Table 3 regarding the drawbacks of using Jenni AI reveal that while most students found the tool beneficial, they also identified some drawbacks that need to be

addressed. 60% of students strongly agreed that using Jenni AI made them feel more dependent on technology in their writing, while another 25% agreed with this statement. Only 10% were neutral, and 5% expressed disagreement. In addition, 55% of students strongly agreed that Jenni AI can limit their creativity when writing, with an additional 20% agreeing. A neutral response to this statement was recorded at 15%, while a minority disagreed.

Concerns regarding the impact of Jenni AI on students' critical thinking skills were also evident, with 58% strongly agreeing and 22% agreeing that using Jenni AI could hinder their critical thinking skills. Meanwhile, 65% of students strongly agreed that Jenni AI could potentially lead to unintentional plagiarism, and a further 20% agreed with this, indicating that the majority felt the need to be cautious in using this application. These results suggest that, while Jenni AI is recognized as a beneficial tool in scientific writing, students are also aware of the risks of technology dependency, creativity restriction, and potential negative impact on critical thinking skills, as well as the risk of plagiarism.

It is also important to consider the challenges that may arise from using AI in writing. For example, there are concerns that reliance on AI-based tools may reduce writers' ability to think critically and creatively. Some research suggests that while AI can improve efficiency, there is a risk that writers may become overly reliant on the technology and lose basic writing skills (Faiz & Kurniawaty, 2023). Therefore, educators need to integrate the use of AI in the curriculum in a balanced way so that students can utilize this technology without compromising their writing skills.

### *Concerns about using Jenni AI*

Overuse of AI can hinder the development of researchers' or students' writing skills. If writers rely too much on AI, their ability to construct arguments, analyze data, and write in a personalized style may be affected.

**Table 4** *Concerns on using Jenni AI*

No	Statements	Strongly Agree	Agree	Uncertain	Disagree	Strongly Disagree
1	I am concerned that Jenni AI increases the risk of plagiarism in my scientific papers.	63%	22%	8%	5%	2%
2	The use of Jenni AI made me overly dependent, which hindered my ability to think critically.	58%	25%	10%	5%	2%
3	Using Jenni AI reduced my opportunity to practice writing skills independently.	60%	23%	10%	5%	2%
4	Relying on Jenni AI for writing made me worry that my work would lack originality.	65%	20%	8%	5%	2%
5	Jenni AI has made me more aware of the importance of maintaining academic integrity.	45%	30%	15%	7%	3%

The results from Table 4, focusing on concerns in the use of Jenni AI, show that there is hesitation among students regarding the impact of using this technology on their academic integrity and the development of their writing skills. 63% of students strongly agreed, and 22% agreed that Jenni AI increases the risk of plagiarism in their scientific papers, indicating a significant concern for potential violations of academic ethics. In addition, 58% of students strongly agreed and 25% agreed that Jenni AI could make them overly reliant on technology, ultimately hindering their critical thinking skills. This reinforces the concern that this tool, while beneficial, may reduce students' thinking autonomy in the writing process.

In addition, 60% of students strongly agreed that using Jenni AI reduced their opportunities to practice their writing skills independently, with an additional 23% agreeing with this view. Concerns about the originality of scientific papers were also evident, with 65% of students strongly agreeing and 20% agreeing that relying on Jenni AI for writing made them feel worried about the lack of originality in their written work. Interestingly, 45% of students felt that using Jenni AI made them more aware of maintaining academic integrity, despite the perceived risks. Overall, these results show that, despite the benefits, students also have serious concerns about the impact of Jenni AI on their academic dependability, originality, and integrity, as well as the independent writing skills they should be developing.

The dependence on Jenni AI felt by most students indicates a potential negative impact on their critical thinking skills and creativity in developing original arguments: the use of AI can reduce opportunities for students to build arguments independently. This phenomenon is increasingly prominent in higher education. In this digital age, students often rely on AI to assist them in various academic aspects, from information retrieval to assignment completion. It can be seen as a response to the increasing academic demands and complexity of the material to be learned. Research shows that the use of AI, such as chatbots, can have a positive impact on improving students' learning efficiency, but it can also lead to potentially harmful dependencies (Prastyono et al., 2023; Salsabilla et al., 2023).

## **Conclusion**

This study shows that Jenni AI in the academic writing process, especially in improving students' argumentation skills, received mixed responses. Overall, students stated that Jenni AI offered significant benefits in helping them develop stronger arguments, improve their writing structure, and overcome writer's block. These findings are in line with previous studies that suggest AI technology can improve the efficiency and quality of academic writing. However, there were also significant concerns about the potential negative impacts of using Jenni AI. Most students expressed concerns that reliance on this technology could stifle creativity, reduce critical thinking skills, and increase the risk of unintentional plagiarism. These findings suggest that, while AI has practical benefits, overuse may reduce students' independent thinking and writing skills.

Interestingly, despite concerns about the negative impact of AI, some students found that using Jenni AI increased their awareness of the importance of maintaining academic integrity, suggesting that this technology could serve as a reminder of their academic responsibilities. The experience of using AI in writing can increase students' awareness of the

importance of originality and academic responsibility. Overall, the findings of this study suggest that Jenni AI has the potential to support students' writing skills, but its use needs to be balanced with awareness of the risks of dependency and attention to academic integrity. As an implication, this study recommends a balanced approach to AI technologies. Educational institutions need to consider implementing training that not only teaches how to use AI effectively but also emphasizes the importance of critical thinking and maintaining academic integrity. Further studies are recommended to explore AI integration strategies that can improve writing skills without compromising students' creativity and independence in thinking and constructing scientific arguments.

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The authors declared no potential conflicts of interest.

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