

Using ChatBot-Based Artificial Intelligence (AI) for Writing an English Essay: The Ability of ChatGPT, Perplexity AI, and ChatSonic

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Abstract

This study investigates the effectiveness of advanced AI chatbots, including ChatGPT, Perplexity AI, and ChatSonic, in generating argumentative essays. Employing a descriptive qualitative approach, the research analyzed data collected through document review. In-depth analysis revealed that these AI chatbots are highly capable of producing persuasive essays. The chatbots generate text that aligns with the given topic by responding to specific prompts. The more detailed the prompt, the more relevant and informative the generated content. Additionally, ChatGPT and Perplexity AI offer valuable writing tips and even suggest online resources for further assistance. However, it is essential to acknowledge the limitations of AI and balance their use with human development and the cultivation of student writing skills.

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INTRODUCTION

In today's world, we live in the age of the intelligent machine (Nuruzzaman & Hussain, 2018). As a result of developments in areas such as artificial intelligence, machine learning, and deep learning, machines have begun to simulate human behavior (Fitria, 2021b). The term "chatbot" refers to a type of computer that consists of conversational software agents that are activated by natural language processing. The development of Artificial Intelligence (AI) technology today is so fast that there are more and more surprising new AI models or systems. Technological developments today have helped people a lot in their daily activities (Putra, 2020). AI technologies continue to advance and become more pervasive in various aspects of our lives (Tlili et al., 2023). It means that in an era of increasingly sophisticated technological advances, there are more and more tools that can be used by people to make their daily tasks and work easier with AI features (Fitria, 2021a). There are many tools available with this AI feature and they can be used for various needs, from the editing process, and creating content, to writing text and searching for information quickly.

Artificial Intelligence (AI) has revolutionized various domains, including education and research (Alqahtani et al., 2023). Recent developments in AI have enabled the use of chatbots as a viable language-learning aid (Barrot, 2023). AI has enabled programmers to generate texts with human-like meaning. Consequently, chatbots have recently received considerable attention. Numerous individuals have lauded how novel conversation applications can generate authentic and human-like essays (Uludag, 2023).

This discussion platform powered by AI has won the praise and admiration of a significant number of internet users due to its capacity to provide answers to inquiries in an automated, prompt, and comprehensive (Fitria, 2023). A software program called a GPT chatbot is an application that is meant to imitate human-like interactions in response to user queries. The AI technology contained within it can comprehend human natural language and generate written material that is comparable to that which a person would write. As most of us are aware, ChatGPT has recently risen to prominence in the realm of social media. A lot of people discuss how ChatGPT can generate text in a variety of styles on Twitter itself. These formats include creative writing, formal writing, and casual writing. His writing has a human-like quality to it in terms of the content, consistency, and linguistic style of what he writes. The capacity of the ChatGPT prototype to think on its own and create text has impressed a great number of people ever since it was made available for testing by the general public toward the end of November 2022.

The term "chatbot" was created by combining the English words "chat," which means "interview," and "bot," which is an acronym for "robot."

Consequently, a chatbot is a computer system that enables people to connect with a computer by using natural language-based keyboard input or voice recognition. A chatbot is a computer program that mimics human conversation by following preprogrammed, repeating patterns without the need for human participation. By doing so, chatbots can access a stored knowledge base (Arifi et al., 2019). It is from this base that they choose actions and replies by locating matches between the questions that are being asked and the existing questions or answers that have been produced by programmers in the past, and then they output them as answers to the person who is asking the questions.

A chatbot is a computer program designed to simulate human conversation and personality, and it can engage in uncomplicated conversations with human participants (Rice & Gregor, 2016). Chatbots are a type of artificial intelligence (AI) designed to engage in dialogue with human users (Guo et al., 2022). Chatbots are automated writing content creation, and language understanding for AI applications (Moons & Bulck, 2023). Chatbot is software with artificial intelligence that can mimic human conversations via text messages or voice messages. This chatbot can convey information, according to the knowledge that has been previously given and help the limitations of the academic section in answering questions posed by students (Mulyono, 2021). A significant number of chatbots appeared at the beginning of the current decade (Molnár & Szüts, 2018). Rapidly, interactive technology, frequently combined with artificial intelligence, has invaded and dominated the online conversation world.

The origins of artificial intelligence and chatbots can be traced back to the 1950s when scientists began investigating the concept of AI. Early advancements included the invention of ELIZA, the first artificial intelligence program designed to mimic human conversation (King, 2023). In the decades that followed, advancements in AI technology led to the creation of more sophisticated chatbots able to comprehend and respond to complex requests. AI and chatbots are utilized in numerous industries today. The emergence of a chatbot powered by artificial intelligence that can generate human-like sentences and compose coherent essays has captivated the world (Shahriar & Hayawi, 2023).

It is undeniable that Chatbot, which the company has now developed further on other versions including GPT-4, is capable of answering simple questions to compiling essays and summaries in seconds. Students are among its millions of users. Many find ways to use it creatively and harmlessly and take advantage of its convenience in answering questions and helping with other tasks. The emergence of ChatGPT and several other AI chatbots seems to be a new chapter in the internet world, traditional search engines are slowly starting to take their role. Many internet users have started utilizing AI tools to get the answers they are looking

for. According to the latest report from BBC News, it was revealed that some students have admitted to using ChatGPT when writing their essays and there is even a student who refuses to be named getting the highest score with the help of a chatbot. The student used ChatGPT to help him write two 2,500-word essays. One essay was written using the help of a chatbot and the other was written without a chatbot. Essays written using AI earn a first-class mark, the highest a student can achieve at a University. The student said that he didn't use ChatGPT to create word-for-word essays, but instead used it to ask questions which gave him access to information quicker than usual. While student use of AI chatbots can present challenges for educators, it is still unclear how colleges and universities will tackle this innovation.

One possibility is that schools may require more real-time essays in class only than essays written at home, thereby minimizing cheating where students instead rely on assistance from AI chatbots. The use of ChatGPT and other AI tools in education has raised concerns, and it remains to be seen how schools and educational institutions will cope and deal with these new challenges. (Huang et al., 2022) discovered three technological affordances in chatbots: timeliness, usability, and personalization; and five pedagogical uses: as interlocutors, as simulations, for transmission, as helplines, and as recommendation engines. Affective, open, and cogent communication between students and chatbots appeared to promote their social presence. Several obstacles to the use of chatbots have been identified, including technological limitations, novelty effects, and cognitive burdens.

Writing is an essential component of the writing process, students who are not native English speakers frequently struggle with the written form of the language, which prevents them from actively participating in writing activities (Nagata et al., 2020). The development of academic writing abilities requires a significant investment of time on the part of teachers (Lin, 2020). AI is now getting more and more benefits. One of them is to help students write essays or term papers for their coursework. If students write conventionally without the help of Chatbots, of course, the time needed to write will be much longer (Setiawan & Luthfiyani, 2023). This is because it involves some competency development activities, such as critical thinking by thinking through an outline of the writing beforehand and reading and understanding several references regarding Chatbot or AI from the library or Google search results.

Fitria (2023) explains that based on many attempts to use ChatGPT, it can provide accurate responses to all questions about a wide range of subjects, including English essays on topics such as descriptive text, recounting text about personal experience, and unforgettable events, resolution in 2023, and future job

(career). The sequence of events, as well as the order of writing, is taken into consideration by ChatGPT. This includes the utilization of primary, explanatory, and concluding sentences. It makes use of the active voice as well as the passive voice. In addition to this, it analyzes the usage of tenses in an essay based on the topic that was provided. However, judging from several instances of English essays that were created by ChatGPT, more investigation is required to determine whether or not the essay outputs are correct in terms of grammar.

This research is based on previous research which is still related to the use of chatbots, especially ChatGPT in writing essays in English. In this study, the researcher intends to continue research on a broader scale, the intention is to describe or review the use of other chatbot applications besides ChatGPT in writing English essays. If in a previous study, the types of text used to write essays were descriptive text and recount text, then in this study, researchers will use other types of text, for example, argumentative text. An argumentative essay is a type of essay that presents arguments about both sides of an issue. The writer takes a stance on the issue and presents evidence to support their argument. Therefore, the researcher intends to use other chatbot tools such as ChatGPT, Perplexity AI, and ChatSonic to find out the capabilities of these tools in writing English essays and describe the differences between the three including their advantages and disadvantages. Therefore, the research objective is to review the ability of chatbot tools such as ChatGPT, Perplexity AI, and ChatSonic in writing an English essay.

METHODS

This research is descriptive qualitative research. Qualitative research essentially has the character of an in-depth study and results theory as an explanation of phenomena (Rosyada, 2020). All of these research activities involve involvement directly from the researcher who will make it easier to disclose all information or data collected. The results obtained from this study are in the form of understanding rich, deep, and detailed of a particular phenomenon with complete explanation and description (Semiawan, 2010). In this research, the researcher explains the phenomena of chatbot applications in writing an English essay. The researcher will describe the use of chatbot applications descriptively.

The method of collecting data used in this research is by using documents. Document study is a data collection technique by examining documents, both written documents, drawing documents, and electronic documents (Fitria, 2022b). Documents that have been obtained are then analyzed, compared, and combined (synthesized) to form a single study result systematic, coherent, and complete (Fitria, 2022a). So, the researcher creates the results analysis of these documents.

In this research, the researcher uses electronic documents in the use of online tools or applications of chatbots including ChatGPT, Perplexity AI, and ChatSonic.

The method of analyzing data in this research is by using three steps of qualitative analysis as delivered by Miles et al. (2018), including data reduction, data display, and conclusion. At the reduction stage, the researcher reduces the data, which means summarizing, choosing the main things, and focusing on the things that matter. In the data display, researchers present data usually in the form of short descriptions, pictures, and the like. The most frequently used for presenting data in qualitative research is with narrative text. Furthermore, researchers concluded new findings that had never existed before. Findings can be in the form of a description or description of an object that was previously still not clear, so after research it becomes clear.

RESULTS AND DISCUSSION

Research Results

a. ChatGPT

OpenAI granted the general public access to ChatGPT on November 30, 2022. ChatGPT is an artificial intelligence of the future generation, with a highly developed capacity for writing, resolving code challenges, and answering queries (Alkaiissi & McFarlane, 2023; Hopkins et al., 2023). ChatGPT is software in the form of a generative language that employs technology to anticipate the next conversational or text command sentence or word (Fitria, 2023). Simply stated, ChatGPT is a chatbot, a virtual robot-shaped computer program that can simulate human-like conversations. This platform is thought to be capable of replacing Google because it can solve any problem. ChatGPT from OpenAI can provide exhaustive responses to challenging queries. Consequently, ChatGPT's intellect surpasses that of other chatbots. ChatGPT OpenAI is a model of InstructGPT that has been trained to obey instructions and provide detailed responses rapidly. ChatGPT from OpenAI is designed to recollect previously asked queries and self-correct based on user feedback, which is an intriguing feature.

The emergence of ChatGPT is a consequence of advances in digital technology because ChatGPT can help humans work and provide new experiences that are different from search engines in general. ChatGPT managed to hook 100 million users in just three months since its launch. This type of AI can complete text-based tasks such as copywriting, writing news reports, answering customer service questions, and even writing computer programs more quickly and accurately. ChatGPT's mind uses deep learning techniques and can understand human language. ChatGPT can naturally carry on conversations in multiple languages and provide answers according to user requirements. ChatGPT is

designed using deep learning techniques, so it can generate word patterns based on learning from a set of text that is fed to the engine.

ChatGPT is a natural language model built by OpenAI that can carry out human-like conversations. This model is capable of understanding complex natural language, recognizing context, and providing appropriate answers to the questions asked. In recent years, ChatGPT has come a long way and has now become an invaluable tool for a variety of purposes, from chatbot development to language translation to sentiment analysis. In chatbot development, ChatGPT can be used to improve the quality and responsiveness of chatbots, so that chatbots can provide a better experience for users. Apart from that, ChatGPT can also be used to translate languages, write articles, or even generate social media content. In addition, ChatGPT can be used for sentiment analysis, developing personalized services, and much more. The implications of OpenAI's novel chatbot ChatGPT for academic writing are mainly unknown.

ChatGPT will answer our questions if we enter them into the text field. Simply we open a browser to utilize ChatGPT. We visit <https://openai.com/chatGPT>. Google or Microsoft accounts provide an easy login. We can create an account first, choose Sign-Up, and click Create OpenAI Account. We can register through email, Google, or Microsoft. We choose Personal Use and enter the confirmation number on the registration page after receiving it. We may log in instantly after creating an account. After account creation, we may log in. Log in and use ChatGPT now. ChatGPT offers a free chatbot. We can enter queries on the main page's bottom column. The chatbot accepts Indonesian queries. Answers will employ user-friendly grammar. We can ask several English essay questions. Then, the response will be displayed instantly.

The researcher tries to ask ChatGPT to write an argumentative essay. The description can be seen in the figure below:

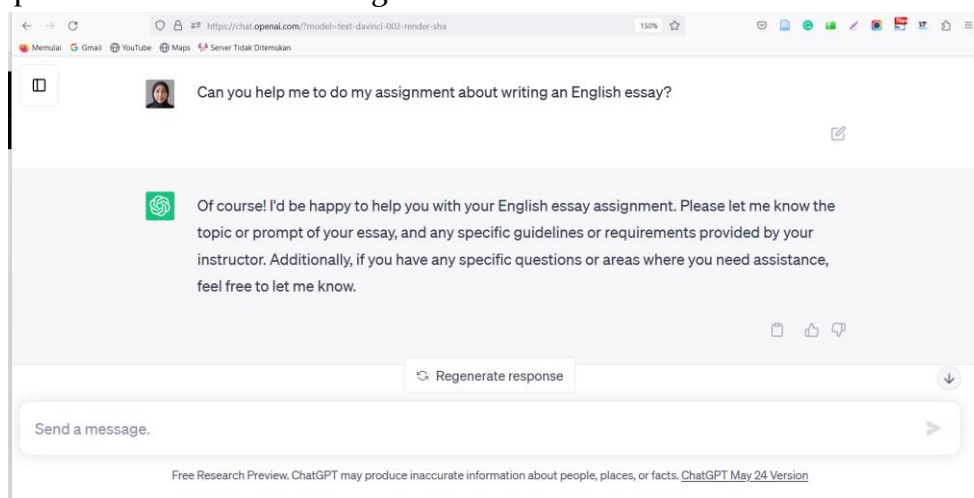


Figure 1. Asking Questions in ChatGPT

The researcher asks ChatGPT “Can you help me to do my assignment about writing an English essay?”, ChatGPT answers “Of course! I'd be happy to help you with your English essay assignment. Please let me know the topic or prompt of your essay, and any specific guidelines or requirements provided by your instructor. Additionally, if you have any specific questions or areas where you need assistance, feel free to let me know”.

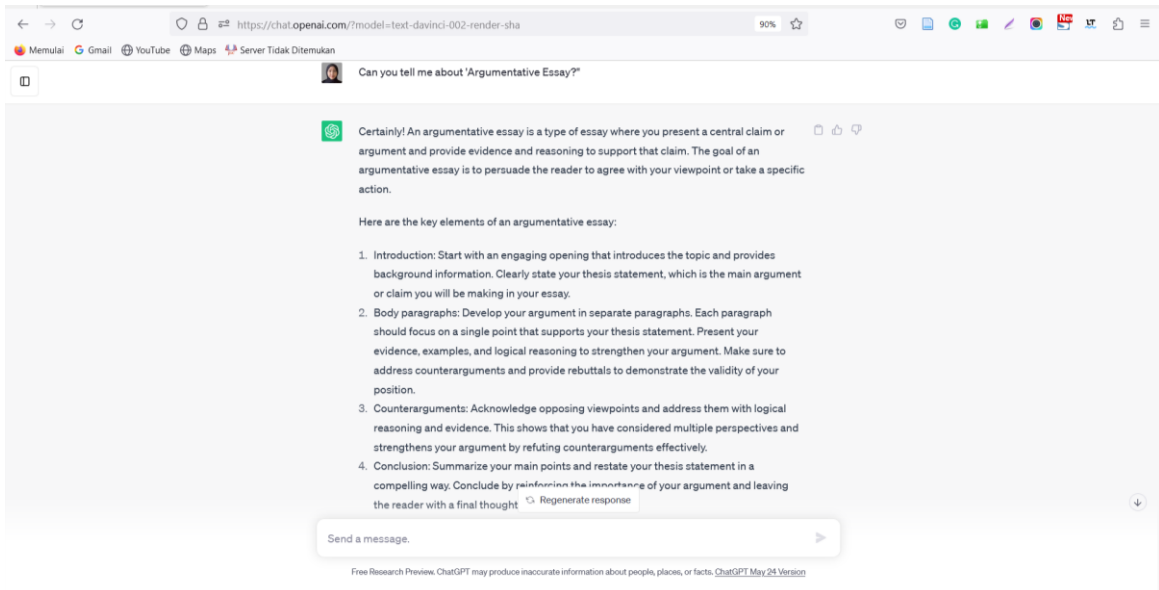


Figure 2. Answering Questions in ChatGPT (1)

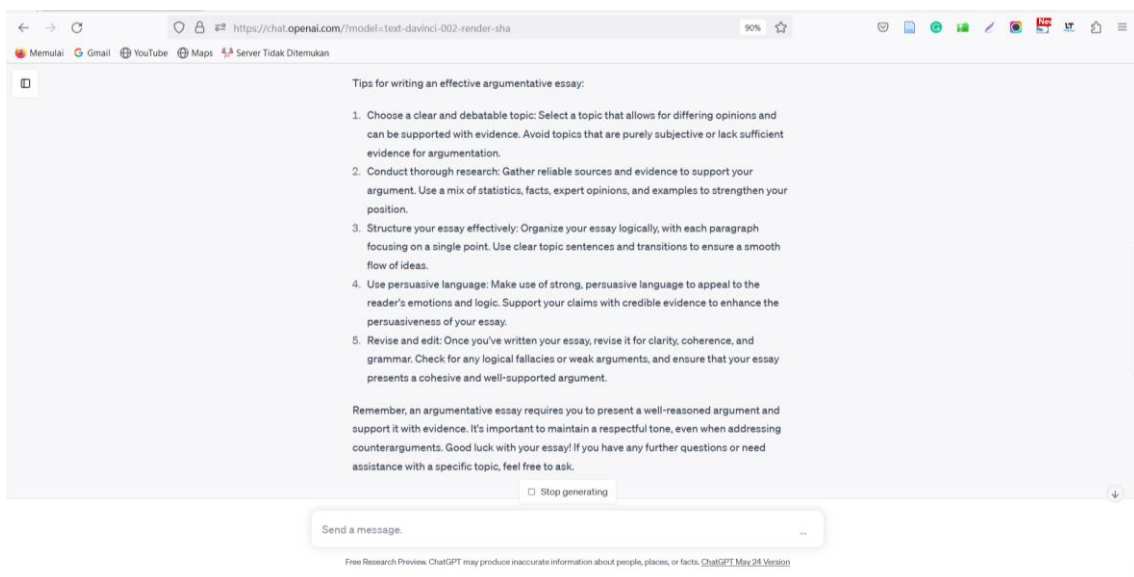


Figure 3. Answering Questions in ChatGPT (2)

The researcher asks ChatGPT “Can you tell me about the 'Argumentative Essay?“. ChatGPT answered, “Certainly! An argumentative essay is a type of essay where you present a central claim or argument and provide evidence and reasoning to support that claim. The goal of an argumentative essay is to persuade the reader to agree with your viewpoint or take a specific action. Here are the key elements of an argumentative essay: Introduction, Body paragraphs, Counterarguments, and Conclusion. Tips for writing an effective argumentative essay: choose a clear and debatable topic, conduct thorough research, structure your essay effectively, use persuasive language, and revise and edit“. It shows that ChatGPT can answer the definition of an argumentative essay, besides giving tips for writing an effective argumentative essay.


<p> Certainly! Here's an example of an argumentative essay about Artificial Intelligence (AI) in the English Language Teaching (ELT) process:</p> <p>Title: The Impact of Artificial Intelligence in English Language Teaching</p> <p>Introduction: Artificial Intelligence (AI) has revolutionized various industries, and its potential in education, specifically in English Language Teaching (ELT), cannot be overlooked. This essay explores the positive impact of AI in the ELT process, including enhanced personalized learning, efficient feedback mechanisms, and increased accessibility.</p> <p>Paragraph 1: Personalized Learning AI technology in ELT allows for personalized learning experiences tailored to individual students' needs. Intelligent algorithms can analyze learner data, identify strengths and weaknesses, and generate customized content. With AI, students can engage in self-learning, focusing on areas they find challenging while progressing swiftly through familiar concepts. This adaptive approach enhances students' motivation, engagement, and learning outcomes.</p> <p>Paragraph 2: Efficient Feedback Mechanisms One of the key challenges in traditional ELT classrooms is providing timely and detailed feedback to students. AI-powered tools offer automated feedback systems that can analyze students' written or spoken language and provide instant suggestions for improvement. These tools can analyze grammar, vocabulary, pronunciation, and coherence, helping students refine their language skills outside the classroom. By enabling immediate feedback, AI technology promotes continuous learning and minimizes errors, leading to more effective language acquisition.</p>	<p>Paragraph 3: Enhanced Language Assessment AI has the potential to transform language assessment in ELT. Language proficiency tests often require human raters, which can be time-consuming and subjective. AI algorithms can evaluate learners' language skills objectively, analyzing their responses and providing standardized assessments. This not only reduces the burden on teachers but also ensures consistent evaluation criteria and impartiality. Additionally, AI can simulate real-life language situations, allowing students to practice and receive feedback in a controlled environment.</p> <p>Paragraph 4: Increased Accessibility AI can bridge the gap in access to quality ELT resources. Many learners, especially those in remote areas or underserved communities, face limited access to qualified language instructors and educational materials. AI-powered platforms can provide virtual language tutors, interactive exercises, and multimedia resources, making ELT more accessible to a wider population. This democratization of education promotes inclusivity and enables learners from diverse backgrounds to develop their English language skills.</p> <p>Conclusion: The integration of Artificial Intelligence in the English Language Teaching process holds immense potential for improving language acquisition. Personalized learning, efficient feedback mechanisms, enhanced language assessment, and increased accessibility are a few of the benefits that AI brings to ELT. As educators, it is crucial to embrace AI as a tool to enhance teaching and learning, recognizing its ability to empower learners, facilitate language acquisition, and shape the future of ELT.</p> <p>Note: This is just one possible way to structure an argumentative essay on the topic. You can further expand on each paragraph with additional supporting points, evidence, and relevant examples to strengthen your argument.</p>
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Figure 4. Answering Questions in ChatGPT (3)

The researcher asks ChatGPT, “Give me an argumentative essay about Artificial Intelligence (AI) in English Language Teaching (ELT) process which consists of several paragraphs“. ChatGPT answers “Certainly! Here's an example of an argumentative essay about Artificial Intelligence (AI) in the English Language Teaching (ELT) process“. ChatGPT writes an argumentative essay orderly from the title entitled (The Impact of Artificial Intelligence in English Language Teaching), introduction (Artificial Intelligence (AI) has revolutionized various industries, and its potential in education, specifically in English Language Teaching (ELT), cannot be overlooked. This essay explores the positive impact of AI in the ELT process, including enhanced personalized learning, efficient feedback mechanisms, enhanced language assessment, and increased accessibility). Then write several

paragraphs such as Paragraph 1 about Personalized Learning, Paragraph 2 about Efficient Feedback Mechanisms, Paragraph 3 about Enhanced Language Assessment, Paragraph 4 about Increased Accessibility, and Conclusion: ChatGPT even adds a note that “This is just one possible way to structure an argumentative essay on the topic. Users can further expand on each paragraph with additional supporting points, evidence, and real-life examples to strengthen our argument”.

b. Perplexity

Perplexity AI (www.perplexity.ai) is an answer engine specifically designed to provide concise information using OpenAI GPT 3.5 it is. Perplexity has the superpower to answer questions by adding quotes and references that show where the information came from. This makes each answer more reliable. Perplexity AI is worth a try for those looking for an accessible AI chatbot with a competitive edge, no registration, and free. Perplexity AI is a website platform that is equipped with AI technology that runs automatically. Perplexity AI makes it easier for users to compose certain texts or search for information with easy and practical access. Perplexity AI has quite a useful feature where you can easily satisfy our curiosity about certain information. In addition, the user interface in it is quite simple. The search engine features on this one AI site are very reliable and can provide complete search results, as well as reliable sources of information. Perplexity AI is simply an answering machine that aims to provide accurate answers to given questions using a given language model. The appearance itself is quite similar to Google where you will have a search bar at the top followed by a search results page column at the bottom of the search. The advantage of Perplexity AI is that it can provide complete and real-time information, so it won't provide out-of-date information.

Search for “perplexity.ai” in our browser, or click (www.perplexity.ai). Enter our queries in the “Ask anything...” section. We can review answers and view the citations or sources of the answers. We can also ask for a follow-up question to our queries. To ask the model a question, simply type in our request in the search bar and click the blue arrow. Review Perplexity AI’s answer and the sources. Ask another question using the “Ask a follow-up” bar below. Even though it is not yet available in various languages when you search in Indonesian, for example, the results displayed will generally return with the language used in the search. Furthermore, we can also use it as an extension of your browser. You can follow the steps below to add it as an extension. Go to the website, click “Add to Chrome,” and select Add the Extension. Now, we also can use it as an extension on your browser.

The researcher tries to ask Perplexity AI to write an argumentative essay. The description can be seen in the figure below:

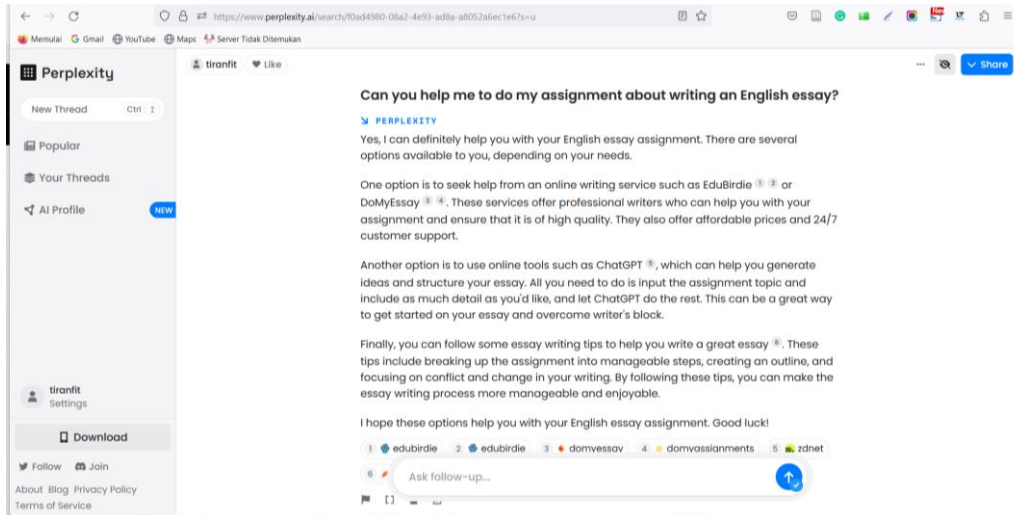


Figure 5. Asking Questions in Perplexity

The researcher asks “Can you help me to do my assignment about writing an English essay?”. The Perplexity AI answers “Yes, I can help you with your English essay assignment. There are several options available to you, depending on your needs. One option is to seek help from an online writing service such as EduBirdie or DoMyEssay. Another option is to use online tools such as ChatGPT5, which can help you generate ideas and structure your essay. Finally, you can follow some essay-writing tips to help you write a great essay. These tips include breaking up the assignment into manageable steps, creating an outline, and focusing on conflict and change in your writing. By following these tips, you can make the essay writing process more manageable and enjoyable. I hope these options help you with your English essay assignment”.

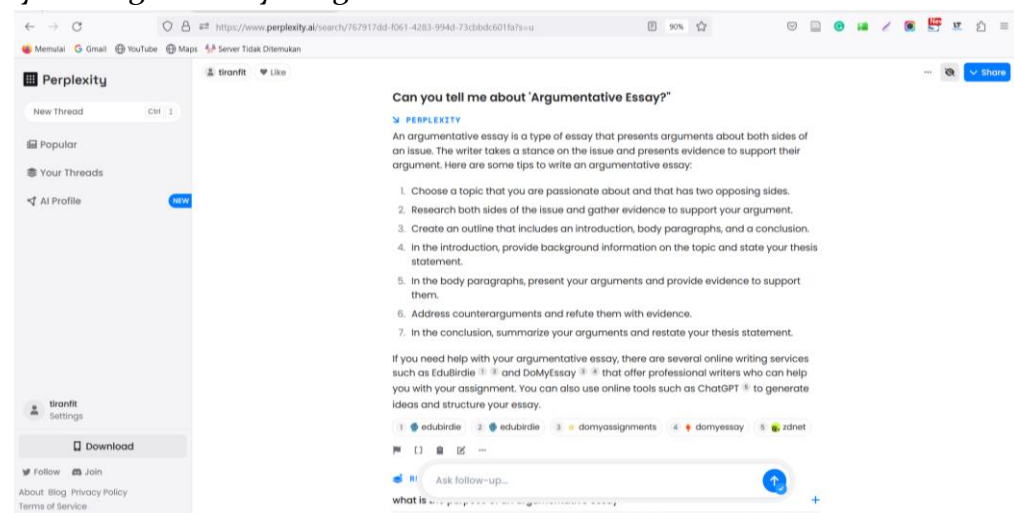


Figure 6. Answering Question in Perplexity (1)

The researcher asks “Can you tell me about 'Argumentative Essay?’. The Perplexity AI answers “An argumentative essay is a type of essay that presents arguments about both sides of an issue. The writer takes a stance on the issue and presents evidence to support their argument. Here are some tips to write an argumentative essay such as explaining the issue (two opposing sides), and creating an outline (an introduction, body paragraphs, and a conclusion). In the introduction, provide background information on the topic and state the thesis statement, in the body paragraphs, present your arguments and provide evidence to support them, address counterarguments, and refute them with evidence. While, in the conclusion, summarize your arguments and restate your thesis statement. If you need help with our argumentative essay, several online writing services such as EduBirdie and DoMyEssay offer professional writers who can help us with our assignment. We can also use online tools such as ChatGPT5 to generate ideas and structure our essays.

Give me an argumentative essay about Artificial Intelligence (AI) in English Language Teaching (ELT) process which consists of several paragraphs.

↳ PERPLEXITY

Artificial Intelligence (AI) has become an integral part of our lives, and its impact on English Language Teaching (ELT) is a topic of debate. Here are some arguments for and against the use of AI in ELT:

Arguments for AI in ELT:

1. Increased efficiency: AI can help automate certain tasks, such as grading and assessment, which can save time for teachers and students.
2. Personalized learning: AI can adapt to individual student needs and provide personalized feedback and recommendations.
3. Improved language learning: AI can provide language learners with access to authentic language input and opportunities for practice.

Arguments against AI in ELT:

1. Lack of human interaction: AI cannot replace the human interaction that is essential for language learning.
2. Ethical concerns: There are concerns about the use of AI in language assessment, such as bias and privacy issues.
3. Job displacement: The use of AI in ELT may lead to job displacement for teachers and other education professionals.

In conclusion, while AI has the potential to improve certain aspects of ELT, it cannot replace the human interaction that is essential for language learning. Therefore, it is important to use AI in a way that complements and enhances the role of teachers in the ELT process.

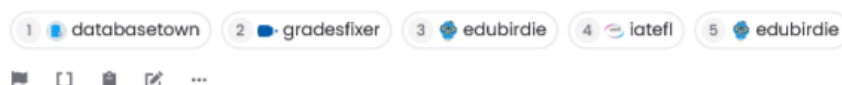


Figure 7. Answering Question in Perplexity (2)

The researchers ask “Give me an argumentative essay about Artificial Intelligence (AI) in English Language Teaching (ELT) process which consists of several paragraphs”. The Perplexity AI answers “Artificial Intelligence (AI) has become an integral part of our lives, and its impact on English Language Teaching (ELT) is a topic of debate”, It shows that the tool introduces first AI's impact on ELT. The Perplexity AI adds “There are some arguments for and against the use of AI in ELT: Arguments for AI in ELT including increased efficiency, personalized learning, and improved language learning. While, the arguments against AI in ELT include a lack of human interaction, ethical concerns, and job displacement. Then, in conclusion, it shows that “AI has the potential to improve certain aspects of ELT, but it cannot replace the human interaction that is essential for language learning. Therefore, it is important to use AI in a way that complements and enhances the role of teachers in the ELT process”.

c. ChatSonic

ChatSonic is an AI writing assistant that helps with every type of writing content. ChatSonic's services include writing blog posts, poetry, essays, emails, and much more. The content provided by ChatSonic is very detailed, original, free from plagiarism, and adapted to user needs. ChatSonic is a fast, reliable, and efficient way to get quality posts promptly. Additionally, ChatSonic has a strict policy of turning down requests relating to violence, sexuality, self-harm, or material that is offensive or controversial. ChatSonic was developed to produce natural and contextual responses. ChatSonic is a chatbot that is similar to ChatGPT and can provide factual information because it uses the capabilities of GPT-4. This AI chatbot overcomes obstacles and is an alternative to ChatGPT. In addition, ChatSonic can answer questions using voice commands such as Google Assistant. While ChatSonic is not free, it does offer a trial of up to 10,000 words. Users can take full advantage of this tool by choosing one of the affordable plans they offer.

A revolutionary AI like Chat GPT - ChatSonic (now with GPT-4 capabilities), the conversational AI chatbot addresses the limitations of ChatGPT, turning out to be the best free Chat GPT alternative. Using ChatSonic, we select “ChatSonic” from the Writesonic Library and give voice commands. You can also use Chat-Sonic to create visuals and generate content quickly. We access the ChatSonic website at <https://writesonic.com/chat>. Click the “Start Chatting”. Button Once you’re on the ChatSonic website, click the “Start Chatting” button to begin using the chatbot. This will take you to the registration page. Register for a New Account. To start generating content with ChatSonic, we will need to create a free account. Simply provide the details asked on the registration page and you will be good to go. Choose ChatSonic from the Content Template List. Once we have registered for an

account, go to the WriteSonic library and select ChatSonic from the content template list. This will take you to the ChatSonic ChatGPT template, where you can start generating content. Type a Prompt or Speak Aloud. To start generating the content, type a prompt or speak it aloud. ChatSonic is capable of understanding both written and spoken language, so feel free to use whichever method you prefer. Hit “Send” and Wait for ChatSonic to Respond. Once you’ve entered your prompt, hit the “Send” button and wait for ChatSonic to generate a response. The chatbot is designed to quickly and efficiently produce high-quality content, so you won’t have to wait long to see results.

The researcher tries to ask Perplexity AI to write an argumentative essay. The description can be seen in the figure below:

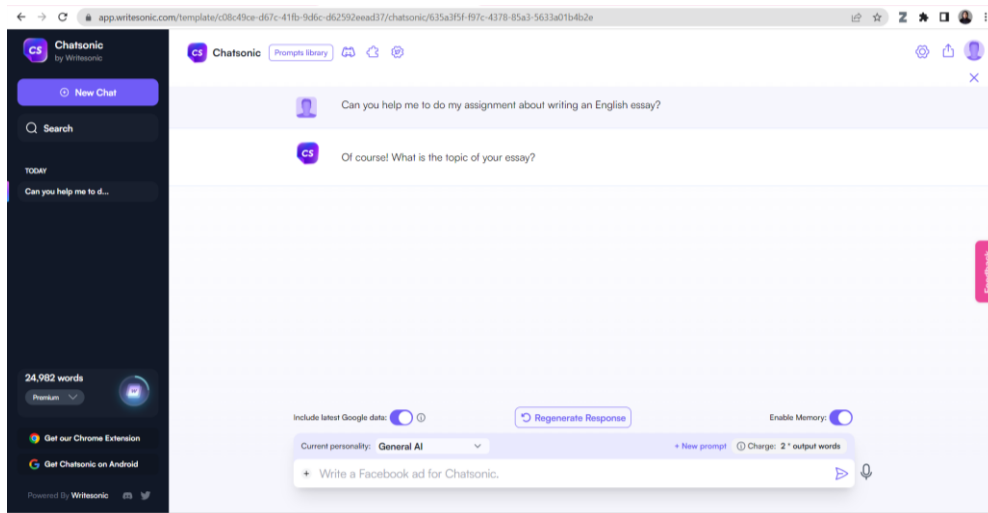


Figure 8. Asking Questions in ChatSonic

The researcher asks “Can you help me to do my assignment about writing an English essay?”. ChatSonic answers “Of course! What is the topic of your essay?”.

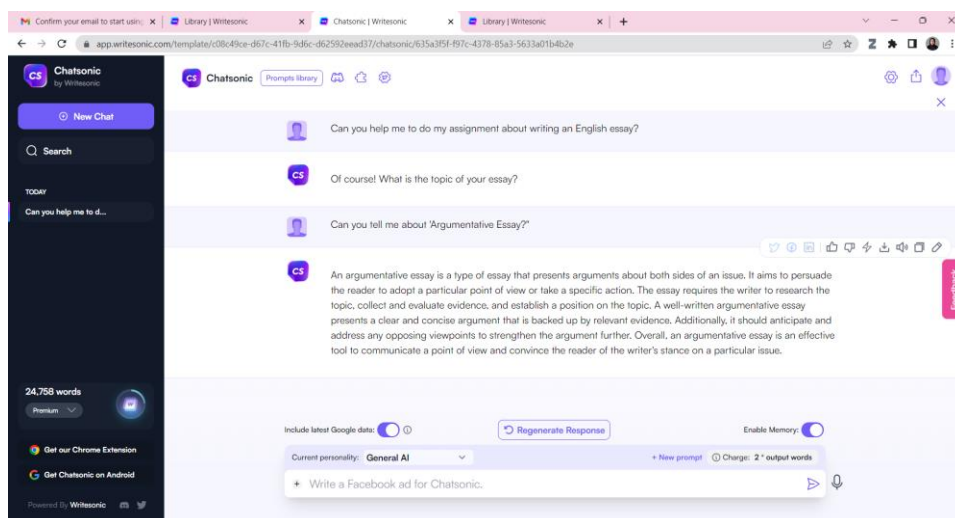


Figure 9. Answering Questions in ChatSonic (1)

The researcher asks “Can you tell me about 'Argumentative Essay?'”. ChatSonic answers “An argumentative essay is a type of essay that presents arguments about both sides of an issue. It aims to persuade the reader to adopt a particular point of view or take a specific action. The essay requires the writer to research the topic, collect and evaluate evidence, and establish a position on the topic. A well-written argumentative essay presents a clear and concise argument that is backed up by relevant evidence. Additionally, it should anticipate and address any opposing viewpoints to strengthen the argument further. Overall, an argumentative essay is an effective tool to communicate a point of view and convince the reader of the writer's stance on a particular issue”.



Introduction:

Artificial Intelligence (AI) has been revolutionizing various industries, and English Language Teaching (ELT) is no exception. AI has the potential to enhance the ELT process by providing personalized learning experiences, improving language assessment, and assisting teachers in various ways. However, some critics argue that AI cannot replace human interaction in language learning. In this essay, we will explore the advantages and disadvantages of AI in the ELT process and argue that AI can complement human interaction and improve the overall language learning experience.

Advantages of AI in ELT:

One of the main advantages of AI in ELT is personalized learning. AI can analyze student data, such as their learning style and progress, and provide individualized feedback and learning materials. This can lead to more efficient and effective learning outcomes. Another advantage is AI-powered language assessment, which can provide more accurate and objective evaluations of students' language proficiency. AI can also assist teachers by automating administrative tasks, such as grading and feedback, allowing them more time to focus on student engagement and interaction.

Disadvantages of AI in ELT:

Critics of AI in ELT argue that it cannot replace human interaction, which is essential for language learning. Human interaction provides opportunities for students to practice speaking and listening skills, as well as to receive immediate feedback and correction. Additionally, some argue that AI may not be able to detect and respond to the nuances of language, such as cultural references and idioms, which are essential for effective communication.

The middle ground:

While it is true that AI cannot replace human interaction, it can complement it by providing additional resources and support. For example, AI-powered chatbots can provide students with practice conversations and immediate feedback, while human teachers can provide more in-depth feedback and correction. AI can also provide language learning materials, such as podcasts and videos, which can supplement classroom instruction and provide additional practice opportunities.

Conclusion:

In conclusion, AI has the potential to enhance the ELT process by providing personalized learning experiences, improving language assessment, and assisting teachers in various ways. While it cannot replace human interaction, it can complement it by providing additional resources and support. Therefore, instead of viewing AI as a replacement for human teachers, we should view it as a tool that can improve the overall language learning experience.

Figure 10. Answering Questions in ChatSonic (2)

The researchers ask “Give me an argumentative essay about Artificial Intelligence (AI) in English Language Teaching (ELT) process which consists of several paragraphs”. The Perplexity AI answers directly about “Introduction (Artificial Intelligence (AI) has been revolutionizing various industries, and English Language Teaching (ELT) is no exception. AI has the potential to enhance the ELT process by providing personalized learning experiences, improving language assessment, and assisting teachers in various ways. However, some critics argue that AI cannot replace human interaction in language learning. In this essay, we will explore the advantages and disadvantages of AI in the ELT process and argue that AI can complement human interaction and improve the overall language-learning experience). Advantages of AI in ELT (One of the main advantages of AI in ELT is personalized learning. AI can analyze student data, such as their learning style and progress, and provide individualized feedback and learning materials. This can lead to more efficient and effective learning outcomes. Another advantage is AI-powered language assessment, which can provide more accurate and objective evaluations of students' language proficiency. AI can also assist teachers by automating administrative tasks, such as grading and feedback, allowing them more time to focus on student engagement and interaction. Disadvantages of AI in ELT (Critics of AI in ELT argue that it cannot replace human interaction in language learning. Human interaction provides opportunities for students to practice speaking and listening skills, as well as to receive immediate feedback and correction. Additionally, some argue that AI may not be able to detect and respond to the nuances of language, such as cultural references and idioms. The middle ground: While it is true that AI cannot replace human interaction, it can complement it by providing additional resources and support. For example, AI-powered chatbots can provide students with practice conversations and immediate feedback, while human teachers can provide more in-depth feedback and correction. AI can also provide language learning materials, such as podcasts and videos, which can supplement classroom instruction and provide additional practice opportunities. Conclusion: In conclusion, AI has the potential to enhance the ELT process by providing personalized learning experiences, improving language assessment, and assisting teachers in various ways. While it cannot replace human interaction, it can complement it by providing additional resources and support. Therefore, instead of viewing AI as a replacement for human teachers, we should view it as a tool that can improve the overall language learning experience.

Discussion

Chatbot is a bot based on AI technology that is capable of carrying out conversations with its users in a sophisticated manner. The most up-to-date meaning here is that the chatbot can provide answers according to what is ordered by the user. For example, if you ask Chatbot to write an essay, then the bot will give the appropriate answer and make it with good word structure. Due to the success of Chatbot which can answer user commands and create good word structures, this technology has become a threat in the academic world because it is often misused by students and students as an instant essay-writing tool. Due to their ability to converse with students using natural language, there is a growing interest in the use of chatbots as learning assistants in language acquisition (Huang et al., 2022).

Currently, many Indonesian people have started using it, especially students, they often use it to make assignments instantly. So some lecturers prohibit their students from using Chatbot to make assignments given. Several examples of chatbots that can be used in education are ChatGPT, Perplexity AI, and ChatSonic. This research aims to find out the capabilities of these tools in writing English essays. By visiting/clicking the website, it will take us to the registration page for a new account, we log in and then input the questions in the box column available. These chatbots will answer our questions about argumentative essays after we enter them into the text field. The responses/answers will be displayed instantly.

First, in using ChatGPT, we can visit <https://openai.com/chatGPT>. The researcher asks ChatGPT "Can you help me to do my assignment about writing an English essay?", ChatGPT answers "I will assist with your English essay. Please tell me your essay's topic and teacher's recommendations. If you have any specific questions or require help, let me know". The researcher asks ChatGPT "Can you tell me about the 'Argumentative Essay?". ChatGPT answered, "Argumentative essays provide a fundamental point and support it with facts and logic. Argumentative essay components: Introduction, Body paragraphs, Arguments, and Conclusion. Argumentative essay tips: pick a clear and arguable issue, study well, arrange your essay well, utilize compelling language, and review and edit". ChatGPT can define an argumentative essay and provide writing recommendations". The researcher asks ChatGPT, "Give me an argumentative essay about Artificial Intelligence (AI) in English Language Teaching (ELT) process which consists of several paragraphs". ChatGPT writes an argumentative essay orderly from the title, introduction, argument/paragraphs, and conclusion. This essay explores the positive impact of AI in the ELT process, including enhanced

personalized learning, efficient feedback mechanisms, enhanced language assessment, and increased accessibility).

Second, in using Perplexity AI, we can visit www.perplexity.ai. The researcher asks “Can you help me to do my assignment about writing an English essay?”. The Perplexity AI answers “Yes, I can help you with your English essay assignment. There are several options available to you such as EduBirdie or DoMyEssay also ChatGPT5. We can follow some essay-writing tips to help write a great essay. These tips include breaking up the assignment into manageable steps, creating an outline, and focusing on conflict and change. The researcher asks “Can you tell me about 'Argumentative Essay?“. The Perplexity AI answers “Argumentative essays give opposing viewpoints. This chatbot describes the subject (two opposing views) and creates a plan (introduction, body paragraphs, and conclusion). This chatbot explains more about the content of the outline, even suggests several online writing services such as EduBirdie and DoMyEssay, and ChatGPT5 to generate ideas and structure an essay. The researchers ask “Give me an argumentative essay about AI in the ELT process which consists of several paragraphs“. The Perplexity AI introduces AI's impact on ELT. The Perplexity AI adds several arguments for and against the use of AI in ELT. The arguments include increased efficiency, personalized learning, and improved language learning. While, the arguments against AI in ELT include lack of human interaction, ethical concerns, and job displacement, then followed by a conclusion.

Third, in using ChatGPT, we can visit <https://writesonic.com/chat>. The researcher asks “Can you help me to do my assignment about writing an English essay?. ChatSonic answers “Of course! What is the topic of your essay?”. This tool answers briefly more than ChatGPT and Perplexity AI. The researcher asks “Can you tell me about 'Argumentative Essay?“. ChatSonic answers “Argumentative essays use both sides of a subject to persuade readers. The essay requires investigation, evidence evaluation, and a stance. A well-written argumentative essay makes a clear, succinct, and evidence-based case. To enhance the argument, it should anticipate and answer opposing views. An argumentative essay effectively conveys a point of view and persuades the reader. The researchers ask “Give me an argumentative essay about AI in the ELT process which consists of several paragraphs“. The Perplexity AI write 1) introduction (AI has been revolutionizing various industries in ELT. AI has the potential to enhance the ELT process by providing personalized learning experiences, improving language assessment, and assisting teachers in various ways. 2) advantages and disadvantages of AI in the ELT process, 3) the middle ground, and conclusion.

Differences between ChatGPT with Perplexity AI and ChatSonic

Both use AI as the main force behind their intelligence capabilities, so the comparison between Perplexity AI and Chat GPT is unavoidable. Although similar, these two tools have some differences. GPT Chat is a language model developed by OpenAI. This model uses deep learning to generate text like humans do. It is a complex machine learning model capable of performing NLG (Natural Language Generation) tasks with a high degree of accuracy. Meanwhile, Perplexity AI is a machine that allows us to ask various questions to satisfy our curiosity. This tool is a metric used to evaluate language models. From this brief definition, it can be seen that these two tools are quite different. In this case, the difference between Perplexity AI and GPT Chat is that GPT Chat is a language model, while Perplexity AI is a combination of GPT Chat and the Google search engine. In providing answers to questions asked, Perplexity conducts an internet search and retrieves answers from certain sources.

Chatbot is a bot based on AI technology that is capable of carrying out conversations with its users in a sophisticated manner. The most up-to-date meaning here is that the chatbot can provide answers according to what is ordered by the user. For example, if you ask Chatbot to write an essay, then the bot will give the appropriate answer and make it with good word structure. Due to the success of Chatbot which can answer user commands and create good word structures, this technology has become a threat in the academic world because it is often misused by students and students as an instant essay-writing tool. Currently, many Indonesian people have started using it, especially students, they often use it to make assignments instantly (Fitria, 2023). Fitria (2023) explains that ChatGPT can provide accurate responses to all questions about a wide range of topics, including English essays on topics such as descriptive text, recounting text about personal experience, and unforgettable events, resolution, and future jobs She mentions that ChatGPT can provide accurate responses to all questions regarding the GPT itself. ChatGPT takes into account both the chronological order of the occurrences as well as the order in which they are written. This involves the use of phrase types such as introductory, explanation, and ending sentences. It makes use of both the active voice and the passive voice throughout its body of text. In addition to this, it examines the use of tenses in an essay depending on the subject matter that was given to it. However, based on many examples of English essays that were generated by ChatGPT, more research is necessary to evaluate whether or not the essay outputs contain correct grammar. This is the case even if the essays were written in English.

There are advantages to this AI technology if we apply it to the learning process in education. ChatGPT can be an assistant to help with school subjects such as English. This Large Language Model can create practice questions and quizzes which can help students gain an understanding of the subject they want to learn. In addition, this AI can provide explanations and step-by-step solutions that can help them understand the reasons behind solutions and develop analytical thinking and thinking out-of-the-box. ChatGPT can assist students in developing reading and writing skills such as giving instructions to this application to correct the structure of phrases, clauses, sentences, and grammar. ChatGPT can also be used to generate questions and solutions to encourage students to be able to think critically about what they have read and written, as well as analyze and interpret the information presented to students. Apart from that, he is also able to provide summaries and explanations to students of complex texts so that students are easy to read and understand.

In a way, Perplexity is a combination of GPT Chat and Bing Search. Perplexity wanted to take advantage of Chat GPT's artificial intelligence and the ease with which people search with Bing Search. These two alloys are the main features of Perplexity. A place to ask anything, when we are browsing (browsing). Perplexity has a superpower that answers your questions and creates the best summary for the information we ask. The way Perplexity works is very simple: you ask a question, Perplexity looks for an answer from the Internet, then it presents it in summary form, and is given a source of quotations from which it got the answer. As fast as you search on Google. Perplexity is an application with a search interface using OpenAI GPT 3.5 and Microsoft Bing to answer every question. Accuracy is limited by search results and AI capabilities. Perplexity is not a commercial product. Perplexity's advice: don't enter personal information. Perplexity acknowledges, may produce content that is sensitive and harmful. Again, search results are based on search results and AI capabilities.

Perplexity AI has several advantages and disadvantages that its users. The advantages of Perplexity AI are: Provides more accurate and relevant search results than traditional search engines, Provides various features that can help users such as personalized recommendations, automatic query filling, and natural language processing, The results of the conversation show the references used by Perplexity AI to find this information. While the disadvantage of Perplexity AI is the presentation of information does not use flowing and natural language like humans in general. Perplexity AI can be accessed specifically through its official website. Here are easy and simple steps to use Perplexity AI. Open the www.perplexity.ai page. Write down the question you want to know the answer to in the search field, then click the blue arrow. Review the answer provided by

Perplexity AI and its source. Ask another question with the “Ask a follow-up” menu.

GPT Chat, which has been a hit lately, has a fundamental weakness. No internet connection. It is based on GPT 3.5 (not GPT 3.0). GPT Chat only deals with information until 2021. If we ask about information after 2021, GPT Chat doesn't know. Since its inception, GPT Chat has never wanted to provide judgments about people's characters, political predictions, sensitive information related to health, and financial decisions. Chat GPT is smart, but it is limited and needs more training to get smarter. It was such a background in thinking that led scientists and programmers to create Perplexity, a new search engine, a fusion of (and much smarter) GPT Chat and Bing Search.

Perplexity AI also includes a feature that allows users to view similar queries after the service has responded, allowing them to dive deeper into their investigations and find answers. After answering the query, the app displays all the sources used to get the information. The View List button displays details of each item inspected by the app, and tapping on it lets you read the sourced article right in the app. When sources are provided and can be cross-checked for references, it helps eliminate the possibility of errors and incorrect replies. Among several ChatGPT mobile devices available in the app store, most of which are scams or malware hosts, Perplexity AI is reliable and is the best program to use on mobile than opening a website to use ChatGPT.

The comparison between ChatGPT OpenAI and ChatSonic shows that both are chatbot technologies that can be used to improve the quality of customer service. ChatGPT OpenAI uses natural language processing and deep learning technology which is very sophisticated and has been tested in various chatbot applications. The quality of the response generated by ChatGPT OpenAI is very close to human response and is publicly accessible via the OpenAI API. Meanwhile, ChatSonic uses natural language processing and artificial intelligence technology which is different from ChatGPT OpenAI. ChatSonic offers more flexibility in customizing its chatbot model so that users can build a chatbot model that better suits their needs.

There are some significant differences between ChatGPT OpenAI and ChatSonic: 1. Technology: ChatGPT OpenAI uses natural language processing and deep learning technology which is very sophisticated and has been tested in various chatbot applications. Meanwhile, ChatSonic uses natural language processing and artificial intelligence technology which is different from ChatGPT OpenAI. 2. Response Quality: ChatGPT OpenAI is known to have the ability to produce natural and contextual responses that are very similar to human responses. 3. Availability: ChatGPT OpenAI is publicly accessible via the OpenAI

API, so it can be used by application developers around the world. Meanwhile, ChatSonic is still in development and not yet available to the public. 4. Customization: ChatGPT OpenAI has pre-trained models that can be used for various types of chatbot applications. However, developers can also train OpenAI ChatGPT models with their customer data to improve response quality. 5. ChatSonic offers more flexibility in customizing their chatbot model so that users can build a chatbot model that better suits their needs. 6. Security: ChatGPT OpenAI has been tested to ensure it is secure against misuse or the spread of misinformation. Meanwhile, ChatSonic has not had any security testing so far. Even though the two have some differences, ChatGPT and ChatSonic have the same goal, which is to help developers and companies improve the quality of their customer service by providing natural and contextual responses through chatbot applications.

Technology is to make human life easier. Many new technologies emerge to complement or become new tools with features that previously did not exist in other technology products such as Google. It's the same with AI tools that are starting to appear nowadays, all aiming to facilitate human work in various fields. Chatbot makes it easy to answer and help find information asked by users quickly and briefly from various sources (Fitria et al., 2023). This will greatly assist users in terms of time efficiency and increase productivity with accurate and reliable information. In the use of chatbots in education, it is important to consider limitations. Although chatbots can provide benefits in improving the quality of learning, must still be balanced with interaction human development and the actual development of student abilities (Brian et al., 2023).

Using chatbots ethically for students involves several key principles to ensure they enhance learning experiences positively and responsibly. First and foremost, transparency is crucial; students should be informed when they are interacting with a chatbot rather than a human, avoiding any confusion or misrepresentation. It's essential to define the chatbot's purpose clearly, ensuring it supports educational goals such as providing information, answering questions, or guiding learning processes, without promoting cheating or circumventing academic integrity. Obtaining informed consent from students regarding data usage and privacy is imperative, particularly when collecting personal information or tracking academic progress. Chatbots should prioritize accuracy and reliability in their responses to support learning outcomes effectively, while also empowering students by providing clear pathways to human assistance when needed. Ensuring the chatbot respects diversity and avoids bias in its interactions and content is essential, promoting inclusivity and fairness among all users. Regular monitoring and updates based on user feedback and ethical standards help maintain the

chatbot's effectiveness and ethical integrity over time. By adhering to these ethical guidelines, educators can leverage chatbots as valuable tools to enhance student learning experiences responsibly and ethically.

Conclusion

Chatbot is a bot based on AI technology that is capable of carrying out conversations with its users in a sophisticated manner. The most up-to-date meaning here is that the chatbot can provide answers according to what is ordered by the user. For example, if you ask Chatbot to write an essay, then the bot will give the appropriate answer and make it with good structure and even content. Several examples of chatbots that can be used in education are ChatGPT, Perplexity AI, and ChatSonic. By visiting/clicking the website, it will take us to the registration page for a new account, we log in and then input the questions in the box column available. These chatbots will answer our questions about argumentative essays after we enter them into the text field. The responses/answers will be displayed instantly. When the researcher asks several questions: 1) Can you help me to do my assignment about writing an English essay?, the chatbot answers "I will assist with your English essay based on your topic". 2) Can you tell me about the 'Argumentative Essay?'. Chatbot answers it by giving the definition and purposes of an argumentative essay/text. Both ChatGPT and Perplexity AI chatbot give several tips for writing an argumentative essay, even Perplexity AI suggests several online writing services. However, there is a difference in the essay results from ChatGPT, Perplexity AI, and ChatSonic. ChatGPT writes argumentative essay components including an introduction, body paragraphs, counterarguments, and conclusion. Perplexity AI writes an introduction, arguments, and conclusion. ChatSonic writes an introduction, advantages, and disadvantages of AI in the ELT process, the middle ground, and the conclusion.

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