

ASSESSMENT FOR LEARNING WITH ARTIFICIAL INTELLIGENCE

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Annotation: This article explores the role of Artificial Intelligence (AI) in transforming English Language Teaching (ELT). It examines how AI technologies, such as Google Translate, contribute to improving language learning by providing personalized instruction, real-time feedback, and global accessibility. The article discusses how AI enhances various aspects of language learning, from pronunciation to grammar, and highlights the potential of AI-powered educational tools to revolutionize the teaching process. It further delves into how AI tools can assist students and teachers in creating more effective, inclusive, and efficient learning environments, while offering examples such as Google Translate as a practical application of AI in language learning.

Key words: Artificial Intelligence (AI), English Language Teaching (ELT), AI-powered educational tools, Google Translate, language learning, natural language processing, educational technology, personalized learning, big data, machine learning, language acquisition, learning environments.

Introduction:

The industrial era has brought significant changes, shaping the way people adapt to rapid transformations. With globalization and the advent of the Fourth Industrial Revolution, new technological advancements and creative opportunities have emerged. Among these advancements, Artificial Intelligence (AI) has become a key player in various fields, including education. AI technologies have gained considerable attention due to their potential to enhance computational creativity and improve the efficiency of tasks traditionally performed by humans. In the context of English Language Teaching (ELT), AI is seen as a transformative tool that can offer personalized, effective, and accessible language instruction. This article explores the contributions of AI in ELT, focusing on AI's impact on learning and teaching English, as well as practical applications like Google Translate that can improve language acquisition and learning outcomes.

Methodology

The industrial period has had a significant impact on people's ability to adapt to rapid changes. With globalization and the Fourth Industrial Revolution, new creative

opportunities and technological challenges have emerged. Consequently, technology plays a vital role in conveying information through text, images, and sound (Rahayu & Pujiyono, 2017). Technology was initially developed to simplify human tasks and hobbies. One of the key technologies being developed is Artificial Intelligence (AI), which has attracted increasing attention due to its potential to enhance computational creativity (Cheng & Day, 2014). AI technologies are being utilized to foster creativity in computers. According to Rahman (2009, p. 343), AI involves creating computer programs that filter knowledge and perform tasks independently, such as computation or student search. AI systems, such as online platforms and robots, are designed to function and respond similarly to the human brain (Karsenti, 2019). Machine intelligence is another term for AI, and through the algorithms, AI seeks to replicate human intelligence. In other words, AI aims to improve how computers perform tasks by incorporating human intellect.

As Mehrotra (2019) suggests, AI is a subfield of computer science that focuses on developing intelligent devices and software. It is about programming machines to think and act like humans. According to Whitby (2009), AI attempts to understand intelligent behavior in humans, animals, and machines. The term "artificial intelligence" is derived from "artificial," which refers to something imitated but not completely false, and "intelligence," which is a multifaceted concept, including consciousness, emotional awareness, self-knowledge, preparedness, and creativity (Ahmet, 2018). Joshi (2019, p. 4) explains that AI does not aim to create a knowledgeable computer that can solve every problem but rather a system that can function similarly to a human. AI aims to create programs or systems that demonstrate human-like intelligence, such as speech recognition, decision-making, and visual perception.

AI can be utilized as a language instructor by offering continuous, personalized learning, providing feedback, and helping students achieve fluency in a low-pressure environment. The main promise of AI is that it can accelerate the learning process. According to Kaur & Gill (2019), AI is a digital effort to replicate human intellect using various machine calculations. It is a collection of cutting-edge technologies that enable people to think, feel, and act like machines. AI is a subfield of computer science that focuses on creating machines capable of human-like thought and behavior (Sridhar, 2018). AI can replicate human behaviors like language acquisition, planning, decision-making, and other cognitive tasks.

The rise of technology and digital platforms has simplified English teaching and learning, offering new opportunities to enhance language skills. If AI were used as an English teacher, it might eliminate the need for human teachers in the classroom. However, the Fourth Industrial Revolution doesn't necessarily mean replacing English education. Instead, an AI-powered English language model should complement traditional teaching methods. The integration of language literacy and digital literacy

can enhance global competency. Ribeiro (2020) states that the most significant application of AI in English Language Teaching (ELT) is in making language instruction more efficient. English is one of the world's most widely spoken languages with a structured grammatical system, and AI can help address the challenges students face when learning it as a second or foreign language (ESL/EFL) (Mehrotra, 2019). AI, along with machine learning and natural language processing, can play a significant role in improving English teaching and learning (Wang, 2019).

This study employs a library research approach, focusing on gathering bibliographic data from books, journals, and other resources related to the topic. Library research involves in-depth analysis of written materials to establish a theoretical framework for the issue being studied. Documentation, which includes collecting information from books, journals, and papers, is the primary data collection method. The research relies on existing literature to evaluate concepts and hypotheses, using content analysis to derive accurate conclusions from the materials.

AI in English Language Teaching AI-enabled tools are a part of computer-assisted language learning, significantly advancing foreign language instruction through big data management and natural language processing (Li, 2020). English language instruction aims to improve students' ability to communicate with people from different cultures. With the rapid development of big data and AI technology, AI brings several improvements to language instruction. The use of AI in English teaching is both innovative and highly demanding (Zhu, 2017). AI can also make language learning more inclusive by supporting people with hearing or vision impairments (Marr, 2018). Gawate (2019) emphasizes that AI will play an essential role in supporting English language learners and teachers.

AI in English teaching has several advantages:

1. AI alters the learning environment, making English immersion possible through the integration of data such as visuals, sound, and text.
2. AI enhances teaching effectiveness by providing real-time conversation simulations, helping students improve their writing, speaking, and listening skills, while also boosting their enthusiasm for learning.
3. AI improves practical skills in English classes, enabling students to operate systems effectively and find quick solutions to challenges.
4. AI-based instructional programs are designed to meet the needs of learners and offer personalized, high-quality content covering all aspects of language acquisition.
5. AI provides immediate feedback on students' performance, helping to assess their abilities more effectively.

AI-based educational systems can greatly enhance English teaching and learning, supporting students' diverse needs and making learning more personalized, efficient,

and globally accessible.

AI plays a significant role in spreading diverse information and improving the effectiveness of English learning. The availability of various educational technologies makes it easier for students to understand what the teacher has taught. Students can even learn independently, without the need for direct interaction with instructors. Numerous AI-powered language learning applications are available for use by English teachers, students, and learners. The following is an obvious example of AI technologies that can be applied to learning English.

The Impact of Google Translate as an Example of AI

Google Translate is a powerful tool that allows users to define words and hear their pronunciation in different languages. Through the "Translate" app on smartphones, users can quickly translate street signs and other written content. Websites can also be translated into various languages using Google Translate. Although Google has developed numerous tools, Google Translate stands out as one of the most important, accessible at <http://google.com/translate> (Smallwood, 2015, p. 51). The service has even replaced traditional text-to-speech translators. Google Translate is integrated with other Google services, making it easy to translate between languages such as Indonesian and English by simply typing.

According to Covili (2016), Google Translate is important for five main reasons: It supports up to 50 languages, allows users to translate entire documents, and is widely used in teaching and learning English. Students commonly use Google Translate to translate words, phrases, sentences, and paragraphs between Indonesian and English, often as part of translation exercises. It also helps check the spelling of words that might have been typed incorrectly, proving particularly useful for verifying English spelling. Additionally, students can use Google Translate to learn the correct pronunciation of words in foreign languages, making it a helpful resource for those learning English for free, especially in terms of pronunciation.

In conclusion, AI has the potential to significantly revolutionize English Language Teaching by making it more personalized, efficient, and accessible to students worldwide. The integration of AI-powered tools, such as Google Translate, enhances language learning by providing instant translations, improving pronunciation, and offering real-time feedback. AI facilitates a more inclusive learning environment, supporting students with varying needs and learning styles, and allowing them to engage with language learning in ways that were previously impossible. As AI continues to evolve, it promises to further enhance English education, making language acquisition more accessible and efficient for learners across the globe. Ultimately, while AI may not replace traditional teaching methods entirely, its integration into the educational system offers an exciting complement to existing teaching practices, helping to bridge the gap between digital literacy and language proficiency.

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