

TEACHING ENGLISH WITH THE AID OF AI

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ABSTRACT

This research aim is to analyze an artificial intelligence platform that can be used in imparting education as well as evaluating student performance. This research was conducted with a qualitative method by conducting in-depth interviews and a literature study. The findings of this study shows that Artificial Intelligence technology can be used as a means of developing English learning for students. There have been several studies that support research results, that AI can be used to improve students' English skills through applications, websites, Virtual Reality technology, and other AI-based learning and teaching systems. The limitation of this research is that it does not examine how far the role of AI in students' English learning is. For further research, it is expected to test how far the role of AI is to improve students' English skills, especially Universitas Airlangga students.

Keywords: *artificial intelligence, English language, English skills, higher education, online learning.*

Introduction

The PC will solely method 0s and 1s. However, a couple of years ago, artificial intelligence (AI) was dedicated to supplying the power to make computers become learning media. This can be the primary computer expert goal like Alan Mathison Turing, John von Neumann, and Norbert Wiener, with the principle of modeling the human brain, mimicking human learning, and simulating biological evolution [1][2][3].

In addition, info exchange uses the most recent information and communication technology (ICT), knowledge networks, actuators, sensors, and automatic identification and material pursuit technology referred to as machine learning (ML) are established [4]. ML is an AI application that enables you to mechanically learn and improve from experience, notwithstanding the system isn't expressly programmed.

Machine learning focuses on developing pc programs that will access and learn knowledge independently. Machines play a very important role in assembling library resources and user services. Robotics, chatbots, text data processing (TDM), massive data, and pattern recognition are samples of machine learning tools among AI [5].

Artificial intelligence has been used as a powerful tool in education. Several analysis studies are projected on pedagogy victimization artificial intelligence. Education is advancing additional and more with the help of computer science. victimization artificial intelligence technology, lecturers will mechanically analyze the tutorial method. In addition, pedagogy seems to possess been improved by the mixing of artificial intelligence technology [6][7].

Science communication faces analysis dissemination through research publications and different methods. This includes original research, growing ideas, diffusing, and disseminating research results. analysis exhausted all disciplines must be effectively disseminated to achieve influence and a broader perspective [8][9] Learning is the process of improving knowledge. By taking part in an exceedingly explicit exercise, every learner bit by bit shifts from a beginner to the main target of the following area. within the practice of participation, learners convey their experiences and social experiences through a range of direct and indirect ways in order to develop sensible skills and acknowledge their values [10][11].

Due to the need for English as a universal language, its utility becomes more and more important, particularly in countries where English could be a second language. Hence, it is necessary to improve the schoolroom surroundings and develop the learner in the simulation language environment [12][13]. Building a man-made intelligence English education system is often used as a breakthrough to facilitate the transformation of contemporary info technology into English education, improve the standard of teachers’ English education, and improve student initiatives in learning English. Advances in computer science in language translation and understanding programs have evolved into new ideas for human language processing. Not solely are you able to realize the mistakes created by the coed, however you will additionally mean the mistakes made by the student with the targeted recommendation and research suggestions [14] [15].

Main body

The purpose of this work is to research artificial intelligence platforms which will be used each in providing education and assessing student grades. It is often custom-built to satisfy the wants of education Associate in Nursing respect levels. Once developing an AI platform, the foremost vital AI schemes are used such as recognition and pattern matching, deciding and selection, abstract interface and reasoning, execution and flow control, coming up with and downside solving. value student performance victimization knowledge-based systems and monitored machine learning techniques [9].

In this study, researchers used qualitative research methods. According to [16] qualitative research is a study using a natural background, with the concern of interpreting the recent phenomena by involving various methods such as interviews,

observations, and literature review. This qualitative is conducted with a library study approach and interviews. The method of literature review aims to collect and take the essence of previous research and the results serve as a foundation for various types of research because it provides an understanding of the development of knowledge, sources of policy-making stimulus, triggers the creation of new ideas and is useful as a guide for research in certain fields of research [17]. The study was conducted online through a zoom meeting.

While the interview method we use is an in-depth interview, digging deeply into one topic that has been determined (based on the purpose and purpose of the interview) using open-ended questions. This excavation is done to find out their opinions based on the perspective of respondents in looking at a problem. In this study, we wanted to know the perspective of informants on the role of AI in supporting English learning among students.

The results showed that Artificial Intelligence technology can be used as a means of developing English learning for students. The interview results showed that students of AI-based applications such as Duolingo, Google Translate [18], and Grammarly can assist them in learning or English assignments in various aspects of skills, ranging from writing, listening, to speaking (especially pronunciation) [18][19][20]. Artificial intelligence with the help of application development can improve the quality of language translation [10]. The effectiveness of the use of AI in training and improving English skills has been done in several studies. In research conducted on Psychology students at Universitas Sarjanawiyata showed that the use of AI-based applications such as Netflix and Joox Music can significantly and effectively improve students' listening skills [21]. In addition, AI can also take the form of chatbots that facilitate communication, to improve one's language skills [22]. Then, in other studies, the use of AI was shown to improve writing skills and lower the fear of writing [23]. Fear in the use of foreign languages, especially speaking to students can cause student achievement scores in learning to decrease. The higher the level of anxiety, the achievement of student scores in foreign language learning will decrease [24]. Then, in research conducted by Noviyanti et al, the use of AI in the form of spell checker application can improve pronunciation skills, the score between pretest and posttest increased by 33 points, from 56 to 90. So, in the study, it is believed that the use of spell checker applications is effective to improve English pronunciation for self-learning [25]. So it can be concluded that the use of AI-based applications can improve English language skills, especially in speaking [26]. Not only can it use AI-based English applications, but the use of other technologies such as Virtual Reality (VR) can also be one of the mediums that can be used in developing English language learning, Lia Ma's research reveals that integrating constructivism theory and virtual reality technology to educate the immersive context of English college can indeed boost

students’ English levels. [27]. Then, in other studies, the use of AI in the form of virtual assistants, such as Lyra Virtual Assistant is effective in speaking exercises [28]

Conclusion

Based on the results of this study, it can be stated that AI’s function in learning can have an impact on a human’s language quality. Students can benefit from the usage of artificial intelligence (AI) in the form of apps, websites, and other tools to help them interpret difficult words, construct a sentence, improve their writing and listening abilities, and learn other language skills. As a result, it is an important area that educational institutions may be considered the advancement of AI-based learning to enhance performance and innovation.

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