



INNOVATION OF ICT-BASED ENGLISH LEARNING TO IMPROVE THE QUALITY OF EDUCATION DURING THE COVID-19 PANDEMIC

Teguh Eka Pambudi¹, Jumiyantri Rahman Somoal²

^{1,2}Institut Agama Islam Negeri Sorong, West Papua, Indonesia

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Abstract

ICT is a general term that refers to the technology used to collect, edit, obtain information in various forms. One of the biggest challenges in the world of education is how to utilize information and communication technology (ICT) in an academic context. Especially during the covid-19 outbreak, all face-to-face education is stopped and diverted to E-learning which requires students to use digital technology to prevent wider spread. ICT-based learning innovation during this pandemic can be done with various applications that can help learning activities such as the Zoom meeting application, which is a virtual classroom application that is used for various activities during the pandemic where the teaching and learning process, discussions, consultations, to cellular collaboration. This research was created to provide information about the existence of technology that can be used as an alternative to new learning innovations in the covid-19 pandemic situation for students. The method used in this research is literature research by critically reviewing or reviewing knowledge, ideas, or findings contained in academic literature.

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Corresponding Author:

Teguh Eka Pambudi

Institut Agama Islam Negeri Sorong, West Papua, Indonesia

Jl. Sorong-Klamono Km. 17 Klalim, Sorong City, West Papua, 98414, Indonesia

teguheka0151@gmail.com

INTRODUCTION

The rapid development of communication and information technology has affected various aspects of human life. The development of information technology is seen to be able to provide great impact and potential, especially in

the field of education. Applying ICT is seen as very important in the Education sector because it is able to be a good medium of interstitial between teachers and students, (Norakyairee et al. 2018). ICT is an umbrella term that refers to the technology used to collect, edit, obtain information in various forms (SER, 1977). One of the biggest challenges in the world of education is how to utilize information and communication technology (ICT) in an academic context, especially during the Covid-19 outbreak, all face-to-face education is stopped and diverted to E-learning which requires students to use digital technology to prevent wider spread. This affects changes and policy updates to be implemented. The new policy also happened in the world of education to change the learning that had to come to class or a building, in this case the campus, to be enough at home. The government's recommendation to stay at home and physical and social distancing must be followed by a change in the mode of face-to-face learning to online, (Khasanah, Dian, Hascaryo, Widuroyekti, 2020). All educators must master communication in the network, namely by communicating how to convey and receive messages carried out through the internet network, (Sudarsana, 2020).

Information Technology is a technology used to process data, including processing, obtaining, compiling, storing, manipulating data in various ways to produce quality information, namely relevant, accurate and timely information, which is used for personal, educational, business, and government purposes and is strategic information for decision making. This technology uses a set of computers to process data, a network system to connect one computer to another according to needs, and telecommunications technology is used so that data can be disseminated and accessed globally, (Haris Kurniawan & Eva Susanti, 2019). There are several added values due to the use of technology-based learning devices and media in the teaching and learning process, including relationships between individuals with other individuals, improving certain communication capabilities with the help of technology, creating active learning nuances, according to learning objectives and fun, (Danim, 2011).

The implementation of education in the form of learning in schools or universities is very full of information that must be processed by students so that it becomes something meaningful. In a review from the learner's side how much, and how important and seberapa attracts the information so that it can be assimilated into something meaningful, this is where information technology will play a very important role in how to process teaching materials as a form of information so that it is interesting, easily accepted and every student. Applying ICT is seen as very important in the education sector because it is able to be a good medium of intercession between teachers and students. The prevailing Covid-19 has had major implications for educational institutions such as teaching staff and students in undergoing the teaching and learning process, (Ab Rahman et al, 2020).

The development of human language is the most intensive period starting in early childhood, which is a period where the human brain develops in the process of reaching maturity, (Novitasari, 2021). To utilize ICT in Education

especially in English language learning has become a must that all learners should know. At this time, there are many ICT applications that are ready to be used, both in learning, accessing information, and also communication which are used as warehouses of knowledge, facilities, learning aids and also as educational infrastructure so it can be said that ICT contributes greatly to improving the quality of education in Indonesia. In the educational process, ICT offers several applications that can be innovated with E-learning, online learning whose implementation is supported by technological services such as telephone, audio, videotapes, satellite or computer transmission. The use of ICT is able to usher in current education towards quality education, ([Faridi, 2009](#)).

METHOD

This type of research is literature research, which is research by critically examining or reviewing the knowledge, ideas, or findings contained in academic literature by looking for theoretical references that are related to the cases or problems found. The theoretical references obtained are used as the basic foundation and main tool for research practice. The nature of this research is descriptive analysis, which is the regular decomposition of the data that has been obtained and then given understanding and explanation so that it can be understood.

RESULT

The term innovation is to give or make something new, the new thing must be accompanied by providing benefits to humans, because humans as social and sensible creatures are not satisfied with what is already in this world and always try to create new things that can provide great benefits in their lives, this cannot be separated from the world of education which every year there are various kinds of new innovations that appear to improve the quality of education in Indonesia, especially during this pandemic, the teaching and learning process has been disrupted so that the government must make new efforts so that the quality of education in Indonesia can still improve even in the covid-19 situation. Simply put, the concept of innovative English learning ICT during the pandemic can be seen from the results of application devices that help learning. In ICT-based devices, it is made by not excluding students' competence in learning English. This conventional system should be combined with the media. multimedia communication, especially since the invention of this multimedia communication medium. Due to the nature of the internet that can be contacted at any time, it means that students can take advantage of the educational programs provided on the internet at any time according to their free time, so that the space and time constraints they face in finding learning resources can be overcome, ([Pujilestari & Yunita, 2020](#)). The internet provides many conveniences for the teaching world with supporting applications, which offer convenience for users with smartphones anytime and anywhere, including digital libraries, videos on demand, wikipedia, blogs, and mobile learning,

(Purnomo, 2008). As a medium in the teaching and learning process during covid-19, ICT offers several applications that can be innovated in English language learning during the pandemic, including the following. E-learning is online learning where the implementation is supported by technological services such as audio, telephone, and video. Such as Distance education and cyber classroom There are several English language learning applications used during the covid-19 pandemic

1. Zoom, namely a virtual classroom application that is used for various activities during the pandemic where the teaching and learning process, discussions, consultations, and mobile collaboration.
2. Google Classroom, that is an application that is often used to collect assignments, UTS, or UAS given by educators during the pandemic.
3. Babbel, namely the application used to learn English online in this application users can find interactive learning, short but still informative in addition to English this application is also available learning in other foreign languages and for its use is very accessible.
4. Duolingo, namely the most famous Language learning application because users can learn English starting from the basics to fluent the main advantage is that its users can determine the target of learning languages every day which will be reminded by Duolingo to open the application according to the hours that the user determines.

Progress in ICT has indeed received a lot of positive responses in an effort to improve the quality of education. But there are several problems that need to be considered in the development of ICT-based English language learning innovations such as access problems such as networks, electricity, software availability problems, namely how to strive for superior but inexpensive software so that it can be used by students both from junior high school to college and the last problem is the attitude towards ICT, namely how students and educators can understand the positive potential of ICT so that it can make it easier equalization of education, especially in English.

DISCUSSION

Innovation provides great benefits in human life, because humans are social and sensible beings who never feel satisfied with what is already in the world and always want to create new things. Therefore, innovation in education is very important. In a pandemic situation to improve the quality of education, a new learning system is needed, namely the innovation of ICT-based English learning that can help the teaching and learning process without reducing students' competence in learning English. The development of technology in 2022 has been very developed both in terms of information and communication compared to previous technology which is still very difficult to use because it still has to be accessed via the web and user limitations in ICT science.

The development of ICT from time to time has been very rapidly developing. This is strengthened by new innovations developed to facilitate the learning process, especially in online English learning such as through the Zoom, Google Classroom, Babble, and Duolingo applications. The advancement of ICT can improve the quality of English Language Education for students. The purpose of online learning is to provide quality learning services in a massive and open network to reach more and wider learning space enthusiasts, (Sofyana & Rozaq, 2019).

The impact of the development of ICT during this pandemic can be felt by the community, especially students. In the field of education, ICT has a positive impact in making it easier for people to access or get information and also communication through applications and from the web, but the most commonly used for learning during this pandemic is through zoom meetings because in addition to being easy to access zoom meetings, it is also very friendly with storage so that it can be used for all types of smartphones.

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