



Factors Affecting the Development of Information Technology in the World of Education

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A B S T R A C T

Education is an effort and through stages or processes to educate and develop the potential from within humans, provide broad insight, have creativity, be responsible, and education to make ideas or patterns of human thinking better and more useful. The development of science and technology is in line with human development. These developments cause significant changes for humans, especially in the field of education which has both positive and negative sides. There are 2 ways that educators can do to attract students' interest in learning by using the internet and minimizing the use of the internet which makes students put aside their duties or responsibilities as a student, namely using the internet as a learning medium. use the internet according to educational needs. In addition, the use of the internet as a learning medium greatly facilitates students in accessing knowledge information, sending school assignments via email, and so on, and besides that, another way that can attract students' interest in learning is through learning methods. As educators, teachers are required to sort out suitable and appropriate learning models to deliver a concept to their students. To achieve maximum learning outcomes, an effort that a teacher can try is to use a suitable learning model in delivering learning to students.

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1. Introduction

Education is an effort and through stages or processes to educate and develop the potential from within humans, provide broad insight, have creativity, be responsible, and education to make ideas or patterns of human thinking better and more useful. Education is also seen in the ongoing process of interaction between students and other educators in educational activities and environments (Sukmawati, 2021). The process of improving human quality starting from behavior, knowledge, and expertise by exploring certain procedures so that they can be useful for themselves, their families, the nation, citizens, and the state is part of the importance of education.

So education is not only increasing intellectual abilities but also practicing it in front of the general public based on accepted moral values. Education is a very important aspect in facing the development of the globalization era which is full of changes and challenges, so education is expected to be able to shape the character of students as the nation's successors who are skilled, innovative, and creative (Rahmadani, 2019). The development of science and technology is in line with human development. These developments led to significant changes for humans. The rapid development of information technology allows the application of more efficient ways of producing, distributing, and consuming goods and services. In this information age, geographical distance is no longer a

determining factor in human relations or between business institutions, so the world has been called a Global Village (Anshori, 2019).

Technology is all means that are closely related to the survival and comfort of human life. Currently, information technology plays a very large role in human activities (. & Desnawati, 2019). The use of technology by humans begins with the conversion of natural resources into simple tools. The impact of information technology on human life is very significant. The fact of life today is almost all areas of human life that are touched by electronics (computers) (Wulandari, 2013). The development of information technology is closely related to human development (Utami, 2010). The rapid development of information technology occurs in the era of globalization which comes even faster than expected.

In today's development, technology is very helpful in the development of a business or business. Computer technology can help the marketing, production, and distribution of a business or business. With the help of information technology, the dissemination of information that was initially very limited has now been distributed according to the needs of the company. In addition, computer technology can also facilitate communication between businesses and consumers. As in the financial sector, the benefits of the internet for banking are very helpful for customers in conducting transactions that can be done anywhere. In addition, there is also a long-distance chat that makes communication easier. Implementation of the internet, electronic commerce, electronic data interchange, virtual office, telemedicine, intranet, and so on (Indrajit, 2012).

Technology helps us to do our activities more easily. Naturally, with the ease of technology, work activities carried out feel light and easy to handle, the more sophisticated the facilities you get, the faster they will complete the necessary needs. As is the case with technological developments in the field of android, nowadays there is more and more people's work, so that in carrying out their duties they are expected to be carried out in various places. As in the field of education, in carrying out their duties, they can use an Android that can be taken anywhere. The positive impacts of using technology in education include a reference for seeking knowledge that is not conveyed by the teacher, and the existence of mass media, especially electronic media such as internet networks, and online media, helping teachers and students in the learning process. In this case, the teacher is not the only source of knowledge for students, so students do not need to be too fixated on the information or knowledge conveyed by the teacher, but can also access subject references directly from the internet.

The negative impact of technology on the world of education includes students being lazy to study because they are too often looking for references on the internet so that students are not independent in doing assignments and others, with technological advances it should make it easier for students to learn, such as using gadgets, laptops with internet networks, things like this is what makes students lazy to study and rarely open books, even though reading books is an important thing and must be done by every student, sometimes they just spend time on the internet looking for their fun not to increase knowledge such as playing online games, Facebook, Youtube, Instagram, Twitter, TikTok, and others will affect students' interest in learning.

2. Research Methods

The research method used in this research is literature study, which is often referred to as library research. A literature study involves searching for references related to reading, taking notes, collecting data, and processing research materials. The literature study or literature study method is used to find and collect research data from data sources of journal documents, articles, and the internet (Harapani, 2020). The ultimate goal of this literature study method is to understand the factors that influence the development of information technology.

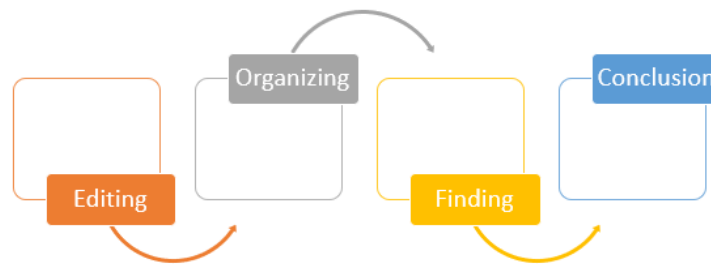


Figure 1. Research stages

3. Results and Discussion

In the world of education, the internet is needed, with the aim of making learning easier, especially in managing databases in an agency or school. With the internet, it can make it easier for students or teachers to find learning resources, especially now that they can do learning via the internet such as e-learning. The development of technology as a teaching material, Technology can increase the quality and reach if used wisely for education and training, new teaching techniques will be two-way, collaborative, and interdisciplinary.

Whatever the name, in the information age, physical distance or geographical distance is no longer a factor in relationships between humans or between business institutions, so this universe becomes a universal village or "Global village" (Suryadi, 2019). The use of technology in education includes, as a reference for seeking knowledge that is not conveyed by the teacher, the existence of mass media, especially electronic media such as internet networks, online media, helping teachers and students in the learning process.

On the one hand, in the world of education using the internet also has several negative impacts, such as students being lazy to study because they are too often looking for references on the internet so that students are not independent in doing assignments and others, and students are more interested in interesting online sites. and make students put aside their duties or responsibilities as a student. There are several ways to attract students' interest again, such as using the internet as a learning medium. With this media, every student is able to use the internet according to their educational needs. In addition, the use of the internet as a learning medium greatly facilitates students in accessing knowledge information, sending school assignments via email, and so on and besides that, another way that can attract students' interest in learning is learning methods. As educators, teachers are required to sort out suitable and appropriate learning models to deliver a concept to their students. In order to achieve maximum learning outcomes, an effort that a teacher can try is to use a suitable learning model in delivering learning to students.

Information technology is one of the effective media in learning activities. However, its use must be following the learning objectives because there is often abuse in the use of this technology (Suryadi, 2019). The use of media in the learning process will be able to generate new desires and interests, generate motivation and stimulation of learning activities, and even bring psychological effects on students. The use of learning media at the learning orientation stage will greatly help the effectiveness of the learning process and the delivery of messages and lesson content at that time. Media learning can help students improve understanding, present data interestingly and reliably, facilitate interpretation, and condense information. The use of the Internet as one of the learning media can be considered something that is commonly used among students.

For this reason, schools can use the Internet as a means to learn apart from books and to be able to be a solution in overcoming problems that have occurred so far, for example, the lack of books in the library, limited experts, distance from home to educational institutions, high costs and limited study time. Some examples of media on the internet that can be a place of learning for students such

as E-Learning, and Youtube Videos, and educators can use them by making materials and learning processes as interesting as possible in these media.

As an educator, the teacher must choose a suitable and appropriate learning model to deliver a concept to his students. To achieve maximum learning outcomes, an effort that a teacher can try is to use a suitable learning model in delivering learning to students. Several learning methods are suitable for use and can attract students' interest in learning even though they are virtual or online, namely student-centered learning methods, such as the blended learning method.

The blended learning method is a method that uses two approaches at once. In a sense, this method uses an online system as well as face-to-face through video conferences. So, even though students and teachers do learn from a distance, both of them can still interact with each other. Then is the project-based learning method. projects, experiments, and innovations. Educators can take advantage of it by making materials and learning processes as attractive as possible in the learning method to achieve increased student interest in using the internet.

4. Conclusion

The development of science and technology is in line with human development. These developments cause significant changes for humans, especially in the field of education which has both positive and negative sides. There are 2 ways that educators can do to attract students' interest in learning by using the internet and minimizing the use of the internet which makes students put aside their duties or responsibilities as a student, namely using the internet as a learning medium. the internet according to educational needs. In addition, the use of the internet as a learning medium greatly facilitates students in accessing knowledge information, sending school assignments via email, and so on, and besides that, another way that can attract students' interest in learning is through learning methods. As educators, teachers are required to sort out suitable and appropriate learning models to deliver a concept to their students. To achieve maximum learning outcomes, an effort that a teacher can try is to use a suitable learning model in delivering learning to students.

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