

THE IMPACT OF INFORMATION TECHNOLOGY IN THE WORLD OF EDUCATION, ESPECIALLY IN INCREASING STUDENTS' INTEREST IN LEARNING

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ABSTRACT

Learning by using information technology can increase students' interest in learning. Information technology can be in the form of networks, the internet, and other digital media so that there are many interesting learning resources that can increase students' interest in learning. Information technology has a big impact on our lives. In addition to technological advances, the utilization of information technology in learning helps students acquire skills. This research aims to provide a literature review on the impact of information technology on education to increase students' interest in learning. The research method used is SLR (Systematic Literature Review). Data was collected by documenting relevant articles on similar research. The articles extracted and used in this study were 11 journal articles extracted from the Google Scholar database using the Publish or Perish application.

Keywords: Technology Information; Interest to Learn

INTRODUCTION

Increasing students' interest in learning is an important thing to do, by increasing their interest in learning through information technology such as the internet, networks, digital media and so on that support their learning will foster their enthusiasm in learning. Information technology can also make it easier for students to find information, make it easier for students to learn independently, and can also help students to master their ability to use technology so that they are not left behind and can adjust to using information technology that is increasing.

Learning through information technology has the potential to change the way of learning, making it easier to find information as well as facilitate the learning process so that it can facilitate learning and change information in a form that is easy to understand. In the world of education, information technology has advantages in several ways, such as making it easier to convey opinions, allowing students to learn independently because there are many sources for learning so that it can help develop online learning platforms, allowing access to information and education to be more accessible and affordable, information technology can also facilitate communication between teachers, students and others.

In this digital era, it is able to facilitate students in accessing education for learning, therefore information technology is very influential on the process of teaching and learning activities to increase student interest in learning. Because if students do not have physical learning resources they can look for them through e-books and other sources. Nowadays, education is very important to build human resources (HR) who are digitally literate. Therefore, the education system must have the ability to encourage students to be more adept at using digital media, such as internet networks, communication

tools, and others (Darmawan, Fauzi, Widiandyah 2023: 88).

The development of information technology has entered all aspects of human life and cannot be separated from human needs, including education. In the current era of globalization, the role of information technology in education can be seen from various perspectives, such as data management and information presentation, as well as the teaching and learning process. Basically, information technology enables the process of collecting, managing, storing, investigating, proving and disseminating information quickly, accurately and transparently. This makes the world of education in Indonesia competitive and transparent (Waldopo, 2011).

To foster students' interest in learning, teachers must have the ability to make learning more interesting and creative. This will encourage students to achieve optimal results both in individual learning and in the learning process in the classroom (Rusman, 2011). The world of education needs information and communication technology (ICT). The success of a nation's development is determined by the quality of its education, and the quality of education is largely determined by the quality of its teachers. Because teachers can make changes in the learning process by incorporating new innovations (Mukaromah, 2020: 182). According to Permendiknas No. 16 of 2007, one of the important skills of teachers is to utilize information and communication technology to assist learning.

At this time, it has a huge impact on all aspects of human life, including all activities related to technology. The world of education is also affected by this. Cyber physical systems is an additional term for industrial revolution 4.0, which means that automation and network/internet technologies work together. The learning process will be related to IT.

RESEARCH METHODOLOGY

The systematic literature review (SLR) approach used in this research is a systematic method, which aims to collect, critically review, synthesize, and assemble the results of various research studies related to the researcher's concerns or the topic to be investigated. This research begins by looking for journals related to the research topic that the researcher will investigate.

A systematic review is a method of reviewing specific issues by identifying, evaluating, selecting, and asking questions that are specifically addressed based on predetermined criteria. It follows previous studies that are of high quality and relevant to the research question.

This study aimed to identify, evaluate and synthesize research and ideas conducted by researchers and practitioners in a systematic, explicit and reproducible manner for the purpose of recognizing, reviewing and evaluating research as a whole (SLR). This research turned out to consist of several stages, including:

The first question is: What is the impact of utilizing information technology in education on increasing students' interest in learning?

The second is the data population of this study: articles that focus on increasing students' learning interest in the use of information technology. The refinement of this literature research starts from the data contained in Google Scholar, accessed through the Publish or Perish application. By limiting keywords to articles from 2019 to 2023, we will increase

interest in learning based on information technology.

Third, various journals or articles were received. To systematically identify, evaluate, synthesize related to increasing students' interest in learning, especially through searching the Google Scholar database, researchers obtained 21 articles on the topic "The Impact of Information Technology in Education" and several articles related to the topic under study. The researcher selected 13 articles from 21 articles. Furthermore, the researcher will study in detail the articles related to the material of increasing student interest based on information technology. 13 articles were included and investigated in detail resulting in 11 articles that were in accordance with the topic of discussion. 11 articles were obtained because they were in accordance with the topic of discussion studied by the researcher and will be presented in the discussion and conclusion section.

RESULT AND DISCUSSION

Information technology in the world of education plays a very important role, in this case teachers as educators are required to master digital media (Mutaqin, dkk 2023).. The use of information technology in learning makes students feel excited about learning, because learning will not stick to books that will make students feel bored, but this information technology makes many innovations in learning so that students are not bored in learning. Information technology in education can be one of the places for students to have the ability to master technology, because technology is increasing and will certainly be used in the future. Learning with digital media also makes students feel easy in finding sources of information, students can learn independently because there are many learning platforms, and also students can learn wherever and whenever they are. So based on the 11 sources of journal articles that have been determined, it turns out that they meet the inclusion criteria, while the information on the results related to the research is contained in Table 1 as follows.

Table. 1 Results of research on increasing students' interest in learning based on information technology

Peneliti dan tahun penelitian	Jurnal	Hasil penelitian
Aisyah N (2019)	Increasing student interest in learning through information technology-based learning media	SMAN 9 Bone uses face-to-face or direct learning, so students feel that this learning is still lacking and can affect students' response and interest in learning. So that at the first meeting of introducing information technology-based learning media, students still looked confused. However, after the second meeting/cycle, there was an increase in students' interest in learning the utilization of information technology.
Novia L, Rini W.B (2019)	Utilizing multimedia in interactive learning media to increase students' interest in learning	We can conclude that SMPN 1 Bukit Sundi's learning is still using the boring traditional blackboard system. As part of this research, teachers investigated

		Macromedia Flash, a multimedia-based application. The researchers also introduced simple applications such as PPT (Power Point) and Preezy. Therefore, teachers are encouraged to be more creative in presenting teaching materials to increase students' interest and enthusiasm for learning.
Euis M (2020)	Utilization of information and communication technology in increasing students' passion for learning	The learning system of MTsN 4 Ciamis meets the criteria for increasing students' interest in learning, because it already uses supporting media such as computers, powerpoint presentations, tape recorders, and even audiovisual equipment such as VCD/DVD. The school also has internet and computers. In this school, ICT is used as a learning resource that can be accessed anytime and anywhere. ICT learning is one of the subjects that must be mastered by students in this school. Implementing and supporting learning with technology helps students develop in the world of technology, makes learning more interesting rather than boring, and gives students a high spirit of learning.
I Ketut M, Firdha Y, Rizka E. F, dkk(2022)	The effect of information technology utilization on students' interest in learning science at SDN Ajung 3 Grade 5	Grade 5 students of SDN Ajun 3 learn to utilize technology such as watching videos using a viewer, and learning to use school equipment such as computers. Technology can make learning activities more effective and efficient. Therefore, this can have a positive impact on students. With the help of technology, students can master even difficult science lessons, so that learning becomes more fun and makes students feel happy with learning that is not boring.
Novita A, Rosman I, Boby R.Payu (2020)	The effect of information technology utilization on student learning interest	Information technology can influence in increasing students' interest in learning in class X IPS SMAN 1 Gorontalo City. However, the success in influencing students by using information technology in creating student interest in learning only reaches 36%, the rest is influenced by other variable factors such as classroom management, comfortable classroom space, comfortable classroom

		atmosphere.
Fifit F(2020)	Technology-based learning media as a learning innovation in the era of the industrial revolution 4.0	According to researchers, learning using information technology can help teachers in explaining the material, increasing creativity in students as well as educators, so that students will not feel bored in the learning process, but students will be more motivated to continue learning, writing, speaking and imagining higher. Technology also has a positive impact on the learning process, because it can increase the effectiveness and efficiency of learning.
Nindi S.R, Mia S. (2019)	Online education application “Ruang Guru” as an increase in millennials' interest in learning in response to the development of the industrial revolution 4.0	Ruang Guru is an online learning application that can be used/accessed via any smartphone or laptop connected to the internet. Ruang Guru application is the largest learning application that can help in finding and providing information about learning problems, discussing and exchanging ideas between one or more people anytime and anywhere. Ruang Guru application is a learning media that can provide interesting insights into various sciences so as to foster a high learning spirit in its users..
Robby Y. E, Ahmad Cucus. Michael C. (2022)	Application of augmented reality technology for students to increase interest in learning Chinese at school	In this study, researchers used augmented reality media as a learning medium for learning Mandarin. Augmented reality is a three-dimensional technology that connects the real/physical world with the technological world such as computers or digital in real time. This makes learning more interesting, stimulates students' interest in learning, and fosters enthusiasm for learning.
Arifuddin J, Abdul Rahman S.B (2022)	Effective communication strategies in ICT-based learning in early childhood as an effort to increase interest in learning	Learning using technology and information applied to early childhood is a fun learning model that makes learning more relaxed, not boring. Learning using information technology creates

		interactive learning that allows students to learn actively, creatively and innovatively.
Bayu P.N, Norhayati, Rosmiati, dkk (2022)	Application of android-based interactive learning media for children of petuk ketimpun village under the guidance of the book backpack foundation	The use of android-based mobile technology in children assisted by the Ransel Buku Foundation has an effect on the learning process, by using technology the Foundation's children can increase knowledge and understanding of letters, numbers, colors, animals, vegetables, jobs, fruits, vehicles in Indonesian and English. Because the learning system uses interesting technology so that it makes the learning process more interactive and can help foster the enthusiasm for learning of students.
Sudi S. (2015)	The role of the development of information and communication technology in learning activities and the development of the world of education	Information technology can not only help in improving the quality of learning or can help make it easier to find information. Technology also has a bad impact on users if information technology is not used properly, especially the internet which is likely to spread inaccurate or useless information that can damage a moral. Therefore, the preparation of moral ethics of learners must be done to avoid the attack of useless information. If students do not use information technology properly, it will harm themselves.

DISCUSSION

The results of the eleven journals above show that the influence of information technology in increasing students' interest in learning has a significant impact on the world of education. Information technology allows students to find information easily and is available at any time, so learning becomes fun and not boring. Students become more creative and more motivated to learn by using digital media when learning. This is in line with Ristwawati's research (2017), which shows that the use of learning media has a significant effect on increasing student motivation because learning media allows various ways to deliver subject matter. However, information technology can also cause problems, especially in the dissemination of inaccurate or useless information, as well as problems related to inequality of access that cause a digital divide (digital devices).

CONCLUSION

Information technology in education has a great influence in increasing students' interest in learning. Utilization of educational technology also requires mastery of digital media used for learning so that teachers can innovate learning to make it more interesting and fun. Information technology in education can be in the form of audio, video, audiovisual, and various digital media devices that can be used in education. There are also many learning platforms that allow students to learn independently. This information technology makes it easier for students to find information. However, the use of information technology in education is still subject to the supervision of teachers and parents. This is because many sites spread useless information that can damage one's morals. Therefore, it is necessary to improve the ethics of students so as not to divulge unnecessary information.

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