SYSTEMATIC SYSTEMATIC LITERATURE (SLR)

DIGITAL LITERACY EDUCATION IN THE CYBER COMMUNITY

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ABSTRACT

The development of technology is considered very important in human life because all the activities we live cannot be separated from technology itself, and from technology itself there are many crimes such as digital fraud, identity theft, *cyber harassment*, and *cyber bullying,* illegal online loans (lenjol), and credit card hacking and so on, but apart from the negative impacts there are also positive impacts such as: Using social media or platforms for good things, as well as from digital literacy also provides many benefits such as the ability to interpret and analyze information found on the internet to avoid hoax news. This study aims to review literature related to technology education in society. The research method uses the SLR (*systematic literature review) method,* or collection by documenting journal articles relevant to this study, 7 journal articlesGoogle*scholar database data.*

Keywords: Digital literacy education

INTRODUCTION

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Information technology in the current era of globalization is experiencing very rapid development. The development of this technological era begins with the existence of internet network sources that connect one communication media with other communication media devices. This information technology has also been applied in various fields, such as economics, government institutions, mining, and education (Silalahi, E. 2024)

Technological progress cannot be separated from people's lives, technological advances also known as globalization allow us to directly know various information happening around the world. If we used to know the saying ""The world is not as big as Moringa leaves", now the medicine must turn into "The world is as wide as Moringa leaves". This is due to the fact that, because we can see what is happening in the United States even though we are in Indonesia, the world seems narrower Wahyudi, H. S., &; Sukmasari, M. P. 2018)

 The definition of educational technology in 1972 states that educational technology is (*field*) involved in efforts to facilitate learning, both at the preparation stage through identification, development, organization and use of all learning resources and in the learning process itself in quotations (educational technology *is a field)* (Agustian, N., &; Salsabila, U.H. 2021)

From the emergence of technology itself, we know digital literacy. According to. Djafar, A., &; Rahmat, A. (2023) digital literacy is a skill that must be possessed by today's society in the 21st century, but currently the existence of people in Indonesia who access information technology devices and the internet has low literacy competence even though most of them are active internet users. Especially with the rise of negative content that can affect society and damage the digital ecosystem which must be addressed with digital literacy skills and empower digital content that has social studies educational content. As well as the development of information technology devices, especially the internet, piling up the realization of digital literacy by using information technology devices in accessing, creating and distributing information. It's just that, talking about digital literacy and practicing it as a digital literacy student by considering aspects of literacy and the digital world, is not easy. Because the presence of digital technology requires different handling with activities and products. Traditional as well as non-digital. For example, reading and writing skills in the

digital realm are very different from traditional methods. The devices used are also different packaging, different contents, different reading and writing mechanisms.

The development of technology in today's sophisticated era makes technology an important part of today's life, even work that is very dependent on technology, human activities can be carried out. one of the most significant is the advancement of information technology, or IT. Without IT, these technologies affect cultural, social, negative effects. And a negative effect caused is the misuse of IT technology by irresponsible individuals and irresponsible parties. Chintia, ddk. (2019)

RESEARCH METHODS

This study uses a systematic method of literature review, also known as SLR, which is a systematic technique for collecting and, evaluating, and testing previous research using relevant standards. This method is used to examine research findings that have been published in certain journals and in specific fields of study. In this study, the purpose of using literature review or SLR method is to obtain data on the amount of research that has been done by researchers in a particular topic, a method that is important to find novelty in a field of research, and the advantages of this method can be applied to various fields of science without distinguishing scientific characteristics, both applied and pure. There is also systematic review, which is a method of reviewing a particular problem by identifying, evaluating, and selecting a specific problem and proposing

Questions are solved clearly based on predetermined criteria, and this research consists of several stages including

First, the question is how important digital literacy is held

Second, the data collected in this study focuses on digital technology issues and the importance of digital literacy, where data search begins by using the data contained, on *google scholar* obtained on *google* with the keyword: lack of education about digital literacy.

We selected 7 articles related to the topic under study from several articles and then studied in detail according to the material on social problems in education, in 7 articles discussed and researched in detail according to the theme of discussion.

RESULTS AND RESEARCH

According to UNESCO, literacy is the ability to identify, understand, interpret, create, communicate, count and use printed and written materials in relation to the achievement of various objectives in developing their knowledge and potential, and to participate fully in their communities and societies (A'yuni, 2015)

Digital literacy is a person's ability to use functional skills on digital devices to communicate, think critically, interact with others, generate and select information, and keep in mind electronic security and evolving socio-cultural contexts. (The Hague &; Payton, 2010)

As for digital literacy, we must understand the important factors so that information filtering runs properly and correctly. Here are some factors that affect digital literacy:

(1) Functional skills (FUNCTIONAL SKILSS) (2) communication and

Interaction (3) critical thinking. (Naufal, H. A.2021)

According to restianty (2018) that our society, especially the younger generation, needs attention, guidance, and help from parents, teachers, and the government because they are more vulnerable to exposure to negative content or information, especially from social media, which has an impact on their behavior. This shows that digital literacy is increasingly needed as one of the main initiatives to educate and encourage internet users, especially social use.

Research table

No	Title, researcher, and year of research	Result
1.	Digital literacy assistance for children and adolescents in the Yogyakarta school environment (Handoyo, E, R. 2023) #	Based on the results of research that digital literacy in Yogyakarta schools, especially children and adolescents, is very important because the existence of digital literacy can help children and adolescents in accessing or obtaining new information, as well as to avoid the risk of cyber bullying crimes, as well as other crime risks. The challenges in supporting literacy are due to ignorance of the community, as well as limited

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		available resources, and lack of existing support from the management of social foundations, schools, as well as education and non-profit organizations. However, the role of schools and other institutions is very important in improving digital literacy for children and adolescents.
2.	Digital literacy: about cyber ericks and being safe in digital media (Niyu, N., & Gerungan 2022)	The results of this study explain that one of the efforts to support digital literacy is the implementation of PKM, which regulates tutoring services in orphanages, consisting of 35 teachers and administrators of digital institutions, as well as students. Education on digital security is provided through webinars and delivered to discussion groups. Thus, research findings suggest that students lack understanding of the safety of interacting in the digital world and that they often interact directly with digital fraud. The results show that students have previously experienced cyber risks related to child sexual exploitation (ESA) on the internet, and digital literacy education is needed, as well as supporting materials on the safety of interacting in the digital world and various teaching resources available.

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| 3. | Cyberneticsq era digital literacy education in minimizing social media abuse for children in the suburbs (Darimis, D., Ummah, S. S., Salam, A., Nugraha, A. R., &; Jamin, N. S. 2023). | This study shows that digital literacy affects children's understanding of ethical ways of using social media. With the development of the internet every year, the internet has both positive and negative effects, fast addiction and various types of hacking *and racking crimes.* Therefore, digital literacy education is very important so that children can use and be responsible with digital media. Part of this effort is digital literacy education, which aims to increase participants' understanding of the challenges in the digital age. The purpose of this education is for participants to understand the basic concepts of digital literacy and understand the negative effects of digital literacy. |
| 4. | Increasing digital literacy to prevent the spread of hoax news (Lisnawita, L., Guntoro, G., Johar, O. A., &; Costaner, L. 2024). | Where the results of this study use lectures, questionnaires, and explanations to improve students' digital literacy and handle and prevent the spread of hoax news, where literature studies highlight the negative impact of hoax news, especially related to sara and political issues on social media. Like *X* or *Twitter* and Instagram. Where the problem of digital literacy in schools is the lack of understanding or knowledge |

		about digital literacy programs where this service aims to provide knowledge and awareness to students or students and the public on the spread of hoax news in the digital era where the results of the evaluation of participants' knowledge amounted to 69.78%, proving that interactive approaches and digital literacy upgrading can provide positive benefits for the community Surrounding.
5.	Increasing digital safety literacy as an effort to prevent digital fraud in the community (Zahara, S., Rochmah, M. F., Sukmaningtyas, Y. N., Dyah, A. I., &; Akbar, R. M. 2024).	This research method consists of four stages: observation, preparation, implementation, and evaluation. The purpose of this study is to provide education about the risks of digital transactions as well as exposure to criminal acts. The evaluation results showed an average knowledge increase of 16.9 points from 68.7 for the pretest and 5.86 for the postest.
6.	Digital literacy to protect society from cybercrime (Sila, G, E., &; Taufik,C. M. 2024)	The results showed that people's incomprehension of the digital system may be that many victims fall into traps set by criminals. Therefore, digital literacy activities must be massive so that knowledge about digitalization does not trap victims. Digital interaction activities must be encouraged as much as possible to touch all levels of society.

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		This activity can be initiated, government, private entities or community organizations, where this research uses qualitative which aims or explains, according to what happens behind the phenomenon.
7.	Development of digital literacy competencies of citizens learning equality education in facing the era of the industrial revolution 4.0 (Darmawan, Fauzi, A., &; Widiansyah, S. 2023)	Which is where the results of this study are digital literacy competencies in facing the era of the industrial revolution 4.0 in citizens learning education at PKBM, which is described in three activity materials, the first of which develops 4 digital literacy competencies in learning: 1) it develops the competence of citizens learning equality education in internet searches, 2) (*hypertext* navigation) or develop the competence of citizens learning equality education against direction guides, 3) (*content*) develop the potential evaluation of information content on citizens learning equality education, 4) (*knowledge assembly*) it develops competence in the competence of knowledge practice to citizens learning equality education.

DISCUSSION

The results of research from the 7 journals show that digital literacy is very important in society because of the rampant digital or cyber crime around us and from this digital literacy we can make good use of our social media where many people are less educated, related to digital literacy and frequent cases such as digital fraud, identity theft, Malware attacks, cyber harassment, and illegal online loans (lenjol), as well as the spread of hoax news. Which is a crime in digital, so digital literacy education is needed for the community to avoid digital crime, where it is known that there are many cases of digital crime, such as this case where the perpetrator threatens the victim by showing a shocking or pornographic video about himself, and threatens to spread the news if he does not give money with an amount or nominal Listed. Which is where the victim never did the video. As for cases of harassment on social media itself such as in the omeTV application, or other social media where there is often harassment such as suddenly the perpetrator shows his genitals with photos or videos, and utters vulgar words. And from all these crimes we need digital literacy where cyber crime can happen in anyone who plays social media.

According to restianty (2018) that there is a need for a producer or ethics that become a guideline for users in using the internet which includes (1) politeness in surfing social media, which must be able to use polite language so that there is no offense, and upload polite photos and videos that do not contain elements of pornography, race and so on and respect the privacy of others (2) namely hospitality, Which is where on the internet itself we can extend friendship, add relatives or the term is close to the far away.

CONCLUSION

The conclusion obtained from this study is that digital literacy is needed for a society where, the rise of crime or cyber including fraud, credit card hijacking, harassment, illegal online loans (lenjol), and others, and from the rise of Syber it is important for us to hold digital literacy not only to prevent cyber actions themselves but also to communicate and collaborate. As well as gaining online skills to interpret and analyze specified information on the internet to avoid hoax news.

BIBLIOGRAPHY

Agustian, N., &; Salsabila, U. H. (2021). The role of educational technology in learning. Islamika, 3(1), 123-133.

A'yuni, Q. Q. (2015). Adolescent Digital Literacy in Surabaya City: A Descriptive Study of Digital Literacy Competency Level in Junior High, High School and Higher Education Students in Surabaya City. Libri-Net, 4(2), 1–15.

Chintia, E., Nadiah, R., Ramadhani, H. N., Haedar, Z. F., Febriansyah, A., &; Kom, N. A. R. S. (2019). The most common cybercrime cases in Indonesia and their handling. Journal of Informatics Engineering and Educational Technology) ISSN, 2549, 869X.

Darimis, D., Ummah, S. S., Salam, A., Nugraha, A. R., &; Jamin, N. S. (2023). Digital literacy education in the cybernetic era in minimizing social media abuse for suburban children. Journal of Man and Education (JAHE), 3(2), 372-379.

Darmawan, D., Fauzi, A., &; Widiansyah, S. (2023). DEVELOPMENT OF DIGITAL LITERACY COMPETENCIES OF CITIZENS LEARNING EQUALITY EDUCATION IN FACING THE ERA OF THE INDUSTRIAL REVOLUTION 4.0. MULIA (Journal of Community Service), 2(2), 87-98.

The Hague, A. C., & Payton, S. (2010). Digital literacy across curricula. In Futurelab (p. 58).

Djafar, A., &; Grace, A. (2023). Digital Literacy Learning Model in Community Empowerment Towards the Society 5.0 Era. Dikmas: Journal of Education and Community Service, 3(2), 527-532.

Handoyo, E. R. (2023). Digital literacy assistance for children and adolescents in the school environment in Yogyakarta City. Journal of Community Service of the Archipelago, 4(1), 376-381.

Lisnawita, L., Guntoro, G., Johar, O. A., &; Costaner, L. (2024). Increase digital literacy to prevent the spread of hoax news. Dynamicia: Journal of Community Service, 8(1), 298-303.

Naufal, H. A. (2021). Digital literacy. Perspectives, 1(2), 195-202.

Niyu, N., & Gerungan, A. (2022). Digital Literacy: Recognizing Cyber and Safe Risks in Digital Media. Proceedings of the National Conference on Community Service and Corporate Social Responsibility (PKM-CSR), 5, 1-10.

Restianty, A. (2018). Digital literacy, a new challenge in media literacy. Gunahumas, 1(1), 72-87.

Sila, G. E., &; Taufik, C. M. (2023). Digital literacy to protect society from cybercrime. COMVERSAL, 5(1), 112-123.

Silalahi, E. (2024). Implementation of Information Technology in Learning Media to Improve the Quality of Education. JIIP-Scientific Journal of Educational Sciences, 7(2), 1956-1960.

Wahyudi, H. S., &; Sukmasari, M. P. (2018). Technology and people's lives. Journal of Sociological Analysis, 3(1), 13-24.

Zahara, S., Rochmah, M. F., Sukmaningtyas, Y. N., Dyah, A. I., &; Akbar, R. M. (2024). Increase digital security literacy as an effort to prevent digital fraud in the community. ABDIMAS NUSANTARA: Journal of Community Service, 5(2), 136-144.