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Article

The Effect of Digital Literacy Skills on Improving Teacher Creativity

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ABSTRACT

The current education requires a new teaching approach based on digital literacy because today's students experience different needs based on the technological era. To face this reality, teachers must be creative because technology is changing so fast and students' digital literacy are more advanced than their educators. A good way how to develop teachers' creativity is by introducing a digital literacy education program for preservice and in-service teachers from different levels. This research paper is conducted by theoretical research method. Data are collected by a theoretical review technique. Also, this research design is based on a descriptive approach. The study is focused on teachers' creativity development by increasing digital literacy. Papers related to the topic under study were searched on educational journals. The main goal of this paper is to find out how digital literacy skills influence educators' creativity development. Findings show that the use of technology develops various skills such as problem-solving, productivity, collaborative imagination, curiosity, and other factors that increase creativity. Current researchers also find that technology enhances teachers', motivation, cooperation, and creation. Overall, children of this age are involved with technology every day, and for them is almost natural to deal with this reality, for this reason, this paper suggests that digital literacy skills must be inculcated in teachers from all levels by different methods to face the reality.

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INTRODUCTION

Nasriani (2022) argues that education is the front line in shaping the quality of the nation's generation. The good and bad of the nation's generation are in the hands of educational institutions, because educational institutions are factories that will process, brew every Indonesian citizen to become a society of superior value. Where this takes a long time.

The inability of education to create a quality society or nation's generation certainly has an impact on the progress of Indonesia (Hubbiul Khair, 2021). This is because, even though Indonesia has abundant natural wealth, if there are no human resources who can manage it, it will only be a wishful thinking to become a developed country, because its natural wealth is certainly controlled by foreigners who are able to manage it with full profitability.

Educational institutions have a big homework, namely to form graduates who are not only intellectually intelligent but also spiritually, morally, physically and socially as stated in

UU No. 20 OF 2003 concerning Sistem Pendidikan Nasional (Aan Yusuf Khunaifi and Matlani, 2019). To achieve educational goals, of course, you must harmonize all components of education, one of which is teachers, especially at this time very rapid technological advances (Andi Asari, et al, 2019) encourage the world to enter the era of the industrial revolution 4.0 where in this era various activities are carried out through technology. With this, the competition for education graduates is not only locally but also internationally, especially the free market has been widely opened.

Indonesia is a country with a large population, so many companies like to offer their products in Indonesia, such as gadgets. Currently, the number of gadgets is increasing as well as internet networks that are getting faster with an increasing number of users (Kamarudin, et al, 2022) every year demanding education as an institution tasked with educating the nation's generation to actively participate in using digital media in learning so that learning can be achieved. become more up-to-date according to the needs of the times.

The large use of digital media in the educational environment occurred when Indonesia experienced the COVID-19 pandemic (Winda Sulistyarini and Siti Fatonah, 2022) where all community activities were limited and learning was carried out remotely or online. Although the use of digital media in the Covid-19 era is still adapting, this is the first step to get used to the use of digital in learning. Unfortunately, not a few students do not understand the digital learning that has been presented. This is because there are not a few teachers who have not been creative in delivering learning. Teachers who still do conventional learning will certainly have an impact on the learning process (Ni Wayan Darti, 2020) namely students who feel bored, lazy, sleepy, play alone, do not focus, and so on so that learning outcomes are not optimal.

Actually, between one teacher to another is the same. Both strive to educate well and provide a variety of life experiences. However, there is a crucial difference, namely creativity. Creativity is a unique and critical attitude and has high analytical power to read existing opportunities and the environment so as to be able to present fun learning through various existing methods and strategies (Yani Fitriyani, et al, 2021). Creativity is an important thing that a teacher must have, without creativity, learning will be boring and many students cannot understand learning well. If this continues, it can have a bad impact on Indonesia because the nation's generation only gets a certificate or education certificate without understanding every science and process it has. Of course, this is very worrying considering that today's young generation is the future leader.

Especially now that we have entered the digital era, where teachers are not allowed to turn a blind eye to the digitalization that has begun to enter the world of education. Digital literacy is a person's ability to utilize existing technology so that the available technology really provides extraordinary benefits for increasing knowledge. Digital literacy is an important thing that must be understood by teachers to be able to adapt to the progress of the times and technology because teachers are the movers of education who have an important role in creating superior quality for the nation's generations (Agung Prayoga and Elise Muryanti, 2021).

Therefore, the importance of digital literacy and teacher creativity, researchers want to find out more about the effect of digital literacy skills on increasing teacher creativity. The purpose of this study is to obtain information about how digital literacy skills can influence the development of teacher creativity as an educator who is responsible for improving the quality or quality of education. The researcher hopes that the results of this study can provide benefits for all parties as well as a source of reference in making policies and conducting further research.

METHODS

This research is a descriptive research by examining various theories or research related to the purpose of this research, namely the effect of digital literacy skills on increasing teacher

creativity from 2018 to 2022 which are spread in various journals. After the data is collected, an in-depth analysis will be carried out to obtain research results showing how digital skills have an influence on increasing teacher creativity as an important component of education that affects the quality of educational graduates as a product of educational institutions or schools. In more detail, the following is the flow of this research:

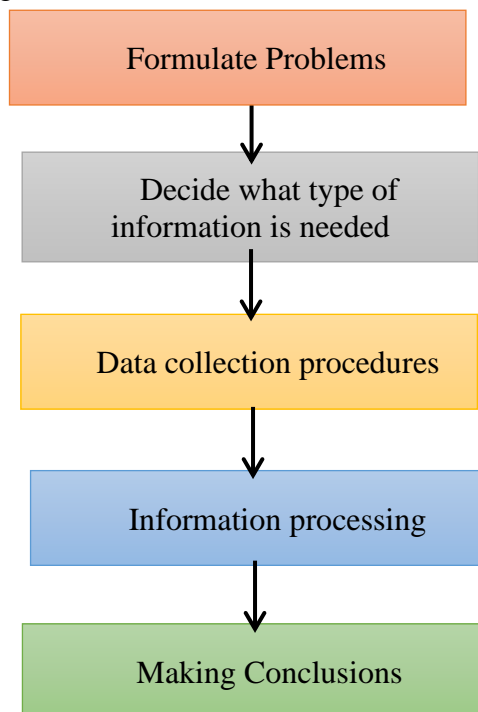


Figure 1. The Flow of Research Implementation

RESULTS AND DISCUSSION

Before discussing further about this research, it is better to first understand several things, namely:

First, digital literacy. Digital literacy is a way for someone to use digital so that they are able to get good benefits from the digital media used (Mediana Handayani, 2018). Because, if someone does not have the ability in digital literacy, it is feared that they will be carried away by the times and not be able to manage it properly, considering that technological advances provide unlimited and very fast information flow. So, it's not impossible if you actually provide information that is not true or a hoax. Therefore, digital literacy skills are important to continue to improve the ability to identify and manage and access various information systems (Mediana Handayani, 2018) to achieve a brilliant understanding so that understanding can be a trigger for increasing teacher creativity.

Second, creativity. Creativity is a person's ability to make various innovations on something that already exists so that it seems to create novelty and break down boredom, especially the boredom experienced by students (Yani Fitriyani, et al, 2021). Creativity is important, without creativity learning will become monotonous and do not provide maximum benefits. Not maximizing the benefits of learning will certainly have an impact on student understanding which is known to decrease learning outcomes (Muhammad Wdaji, et al, 2021). Therefore, teacher creativity has an important influence on increasing student understanding and attracting students to participate in learning well and happily. Creativity can help teachers solve various problems that often occur in the educational environment both in the classroom and outside the classroom, such as student guardians who are dissatisfied with their son's learning outcomes, parents who are indifferent to their children's education, students who are

brave with teachers, students who undisciplined and always late, students who like to fight, students who like to talk to themselves when learning takes place, and so on with their creativity, the teacher will have thousands of ways to deal with various problems that actually lead to high productivity values because the solution is not emotional. but surefire tricks to achieve the desired result.

Third, teacher. The teacher is one of the important components of education whose job is to convey a variety of information, guide, analyze learning outcomes and so on both in the classroom and outside the classroom (Prasetyo Listiaji and Subhan, 2021). No matter how good the material compiled by the government is, if there is no teacher, it will be difficult to reach all students with a complete understanding (Rosmalah, et al, 2021). It's just that teachers in Indonesia still need to continue to improve their quality, including honing creativity in order to realize the maximum implementation of learning in accordance with the goals of Indonesian education.

Based on the results of a review of various articles and research, it is known that digital literacy is an important thing for teachers to master and understand. However, there are serious problems in improving the quality of a teacher's digital literacy, namely the limited ability of teachers and limited possession of gadgets. As teachers who are 50 years of age and over have low digital skills, adapting to the industrial revolution and improving the quality of digital literacy becomes difficult. Let alone take advantage of various applications, even if you want to press various buttons, it's still difficult

This is because older teachers feel foreign and new to a digital environment and this is a challenge in itself, how to make digital literacy skills mastered by all teachers without being limited by age. Based on the research, it is known that there are several ways that prayers are done to improve digital literacy skills, namely (Ni wayan Drati, 2020):

1. Participate in In house training events to improve teacher competence
2. Get used to holding gadgets, laptops, and so on. Observe each button and its various functions.
3. Learn to operate gadgets or other digital media by linking them to work or daily life. After getting used to using digital media, it is continued to look for a variety of unique things that can improve the quality of self in doing learning in the classroom and outside the classroom.
4. If you find it difficult, then ask other people who are more understanding so that their knowledge will increase and their skills in using digital media will be honed.

After analyzing the data, it turns out that digital skills can increase teacher creativity because digital literacy invites teachers to be able to use various existing media carefully and with full benefits (Edi Slamet, et al, 2021). For example, when the teacher wants to explain about history, then he does not have to do historical fairy tales which many consider boring and make you sleepy. However, teachers can use digital media such as YouTube to show a historical video to be conveyed and then students are given instructions to write their observations on the video that has been listened to. This method tends to be more effective and fun because the students' learning process is not only listening, but also observing, listening and moving. Creative teachers are teachers who are full of tricks, motivations and ways to overcome various problems and are able to adapt well to various environments that often change without prior instruction.

Research conducted by Yani Fitriyani, Nana Supriatna and Mia Zultrianti Sari stated that a creative teacher will continue to be curious and want to try new, unique and fun things (Yani Fitriyani, et al, 2021). This is in line with research conducted by Muhammad Wadji, Tsrif kib, M Natsir, Edi Hasan, and Abidin that through digital literacy the creativity of teachers is actually increasing because the knowledge they have is not limited to the scope of the school but is comprehensive which is free to learn both online and offline. Muhammad Wadji, et al, 2021). This research is similar to the results of research from Kria Singgih Kuncoro, Sukiyanto,

Muhammad Irfan, Ayu Fitri Amalia, Widowati Pusporini, Astuti Wijayanti and Sri Adir Widodo that digital literacy skills can help teachers carry out learning through internet networks (Krida Singgih Kuncoro, et al, 2022).

In addition, with the increase in teacher creativity, productivity, collaborative imagination, curiosity also increases. In addition, digital literacy skills can also increase work motivation for teachers to continue to carry out work happily, always carry out fun activities and creations, and continue to involve various technologies in overcoming various existing realities (Puspa Mawarni, et al, 2021). Because, if it is not accompanied by this attitude then of course learning will be boring and professional as a teacher is disturbed by the various problems faced.

The problems faced by teachers are certainly varied and complex, not only at school but also at home. Teacher creativity can help teachers to be able to be professional at school and at home. This means that the problems he experiences at home will not be carried over to school which ultimately affects the course of learning. In addition, the ability to collaborate imaginatively is also increasing as seen from the attention between groups, collaborating with co-workers in teams, having special innovations to improve the quality of teamwork, and so on. It doesn't stop here, the productivity of teachers is getting better as seen from their habit of working more than relaxing with their co-workers. The results of his productivity can also be seen through the various products he has in the class, either prepared independently or together with students. It does not stop here, it is known that digital literacy skills increase the spirit of teachers in improving their quality to become the best teacher, happy and loved by all students because the learning delivered is fun and follows the flow of the times (Fatimatuz Zahroh and Muhamad Sholeh, 2022). With learning that runs optimally, is happy, up-to-date and fun, students also feel happy when participating in the learning so that the material presented by the teacher gains a strong enough impression position and can be practiced in everyday life.

Based on the explanation above, it is known that digital literacy skills have a positive influence on increasing teacher creativity which can be seen from a variety of behaviors starting from productivity attitudes, curiosity, collaborative imagination, and so on. Therefore, the researcher hopes that all teachers can continue to improve their quality because students not only need the delivery of material in a conventional manner but also in a modern and fun way. Researchers also hope that the results of this research can contribute or contribute ideas for the general public, researchers or even the government in making policies.

CONCLUSION

Digital literacy skills affect the increase in teacher creativity in learning. Creativity is an important thing that distinguishes one teacher from another. Without the creativity of the teacher, almost learning will always be boring, students are sleepy, not focused and so on which ultimately has an impact on students' understanding which is lacking with low learning outcomes. Therefore, creativity is something that cannot be ignored, considering that its role is quite important in the world of education. Besides that, creativity shows that teachers have various abilities in overcoming any problems that arise in the world of education.

On the other hand, research results show that the use of technology develops various skills such as problem solving, productivity, collaborative imagination, curiosity, and other factors that enhance creativity. Current researchers also find that technology enhances teachers' motivation, collaboration, and creativity. Overall, children of this age are involved with technology on a daily basis, and for them it is almost natural to face this reality, for this reason, this paper suggests that digital literacy skills should be instilled in teachers of all levels with different methods of dealing with reality. This is because, the reality that will be faced is often beyond prediction, so as a teacher must be able to handle it well and calmly in order to be able to realize the nation's generation that is aspired to. In addition, if the teacher has high creativity,

it can reduce fatigue because he does not always have to explain verbally in many sentences because he can take advantage of various available technologies.

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