EFFECTIVE LEARNING STRATEGIES FOR ELEMENTARY SCHOOLS IN THE DIGITAL ERA

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ABSTRAK

This study aims to explain effective learning strategies for elementary schools in the digital age. The subjects in the study include teachers from various primary school institutions. This research problem was studied using a qualitative descriptive approach. Data collection was carried out by observation, interviews, and documentation. The results found in this study are the implementation of effective learning strategies for elementary schools in the digital era. The findings in this study are the application of strategies by improving the abilities and competencies of teachers, integrating methods, using modern media, utilizing digital platforms and supporting adequate infrastructure are the main requirements for educational objectives so that learning outcomes can be achieved properly.

Keywords: digital era, effective learning, elementary school, strategies.

INTRODUCTION

Indonesia is a developing country that continues to develop the potential that exists in welcoming progress globally. One of the main elements of progress in a country is that education must be improved in terms of quality. Education that was once cognitive-based has now begun to shift more to the skills acquired by students during education. With this skill, students will be able to compete in this growing global world. Learning outcomes in education are not only cognitively oriented, or knowledge but skills and attitudes are one of the main goals of development of the educational direction. This is reinforced by the opinion of Masdul (2018) that learning is an educational interaction process to make students learn actively and be able to change their behaviour through learning experiences. These abilities are abilities that need to be developed in the 21st Century.

"Long Life Education" is an English expression that, when interpreted, means lifelong learning. The meaning of the phrase is that humans can learn anytime and anywhere. With education, a nation will be more advanced, and this is the role of education in shaping human resources to become more advanced and developed (Suhendro, E., & Syaefudin, S.2020). The journey of the learning process takes place continuously from time to time until the current digital era. The digital era is characterized by the rampant use of technological devices, which are currently developing rapidly. The form of technological advances that have penetrated the field of education can be seen in the many digital teaching media that support the learning process both online and offline. This has a huge impact on educators, both practitioners and educators, where changes in

the learning system without mature readiness will create obstacles and challenges that penetrate into all levels, including basic education levels.

The Covid-19 pandemic that hit for two years caused changes and shifts in thinking and science in Indonesia. Education that has been running has undergone changes and problems that occur in almost every region and every level (Suhendro, E.2022). The pandemic that attacked the world, especially Indonesia, caused important changes related to models in education. The education system that used to be a simple method without utilizing technology is now a common thing and even important to do. The use of digital media in relation to education is the main requirement for the implementation of education. So that all levels of education began to migrate towards education with a digital concept. This online education process is the transformation of face-to-face education into digital form, which certainly has very tough opportunities and challenges. (Suhendro, E. 2020).

An interesting and fun learning process is an important thing to build; it is the teacher's obligation to be able to design fun learning according to student needs (Hasan et al., 2020). With fun learning, the transfer of knowledge aspects can run well in accordance with the learning outcomes that will be achieved. The level of creativity and innovation of teachers is highly demanded to be more advanced and developed in this digital era because without creativity and innovation, teachers will be considered old-fashioned and backward, so children's perceptions will decrease of the view of the teacher figure.

In order to create technology-based learning, teachers must master the literacy of the technology itself (Darmawan, 2018). With the literacy and ability of teachers in the use of digital, this is a means of supporting the achievement of the smooth learning process that exists. Digital literacy that developed exceeded the speed of book utilization in the era of the 2000s. Everyone is free and fast to be able to read the global situation that is happening both inside and internationally. All disciplines are open and can be accessed easily by humans wherever they are just by utilizing cellphone/laptop technology that is integrated with the internet. Now the world seems to be close and in hand. Young children have now begun to be sophisticated and shrewd in using this technology is a challenge for teachers in carrying out learning in the digital era so that teachers are not only seen as complementary in learning but are the main centres in carrying out learning in the classroom. The 21st Century is an era that requires the development of teacher

competencies. By developing teacher competencies, it will be able to face the millennial generation. (Somantri, D. 2021).

The gap between teachers and students in the use of technology is a challenge that needs to be addressed immediately. Students are the younger generation born in the digital era, so they are used to utilizing the internet in their daily lives. They grew up with the rapid flow of information and lived with digital communication technology. Their communication and knowledge management patterns are also mediated by technology. Wacana digital native making is widely used in various studies and literature (Dewi Salma: 2016)

Widiara, (2018) stated that current technological advances have shown future developments where the need for the use of ICT in education is unavoidable; therefore, preparing educators to achieve readiness for use will also have an impact on readiness in students. (Silvana et al., 2019) The results of their research show that the support for digital-based learning is from teachers. It is intended that teachers have qualified competencies and are accustomed to the use of digital-based media to explore and collect information needed to support the learning process. In line with this, it is appropriate that the skills of using and utilizing digital technology a teacher must continue to develop and always increase, considering that various digital platforms that provide ease of functioning have emerged a lot. If teachers are creative and sophisticated, the use of digital technology can be maximized in their role in supporting the education of this digital era better and more advanced.

The results of the study (Prasetyo & Abduh, 2021) show that the application of the right learning model is able to increase student learning activity. Similar results were shown by (Sari, 2013) in her research, where the application of blended learning strategies was able to increase learning independence and thinking ability and have an impact on increasing learning achievement. (Arisanti & Adnan, 2021) Shows that through his research, there is an increase in motivation and learning outcomes by combining teaching strategies with technology-based learning media.

However, in reality, in the field, there is still a lot of lack of learning effectiveness that occurs. Each teacher is often only limited to using digital media only as a means of supporting it, which has not become the main centre for the use of digital technology in education. (Sibuea et al., 2020) Revealed that there are still many teachers in schools who have difficulty implementing online-based learning due to the low ability to master

technology. The low capacity of this technology is one of the main problems in implementing learning in this digital era. In fact, education with the use of technology has become important learning in this era of disruption. Considering that some millennials, generation Z and generation Alpha are generations that are very close to the media, it is only right that education in this digital era must change from classic types and models of learning to digital-based learning that supports the ability of the 21st Century so that the Indonesian generation does not lag behind other countries.

METHOD

This research uses qualitative methods, commonly referred to as qualitative research. This method addresses complex problems by collecting, compiling, clarifying, analyzing, and interpreting. The data in this study is in the form of the implementation of elementary school learning in the digital era. The data collection techniques used in this study were interview and observation techniques. The source is the primary of the teacher and the study of the literature. Literature Studies are used to search and unify materials and information from literature related to the object under investigation from various scientific journals and books. Researchers use the literature technique because, in this study, readings are needed to support this research's implementation. After that, researchers need mapping techniques to map significant activities/findings during this research process. After this data is collected, researchers use the following data analysis techniques: (1) data collection, (2) data reduction, (3) data analysis, and (4) concluding research (Hidayat, 2021). Data collection is carried out by looking for or digging for results in the form of sentences or dialogues with teachers that contain effective learning strategies for elementary schools in the digital era, which will be the data of this research. The next step that will be done is data reduction. The data is further reduced according to the predetermined data group or classification after the data is collected and concentrated, the data analysis to produce an overview or interpretation of effective learning strategies for elementary schools in the digital era.

RESULT AND DISCUSSION
TEACHER Competencies

Teacher competence is important as part of the main basis of being a teacher. Teachers are required to have qualified abilities and competencies to become an educator.

Teachers not only transfer knowledge to students, but teachers have the task of educating. So pedagogic, professional and social abilities and competencies are the main requirements to become a teacher. With this new era, teachers must adjust and be professional in the era of fast-paced technology and information, so the abilities that a teacher must have in the digital era are very important to support increasingly rapid learning with the progress of the times (Farid: 2017)

According to Hartono (2019), Teacher competency standards as stated in law number 14 of 2005 concerning teachers and lecturers, there are four teacher competencies, including pedagogic competence, personality competence, professional competence, and social competence.

> "One of the applications of teacher competency/ skill development is in utilizing technology media, making online learning in a planned manner, and preparing facilities and infrastructure, both media, teaching aids, methods, and learning strategies. Then mastering the subject matter, including concepts and scientific mindsets, must master the basic competencies, core competencies, of the lesson. In addition, it must also have the ability to develop the subject matter creatively in order for students to gain in-depth knowledge. Then be able to act reflectively to develop professionalism. The most important thing is that they must be able to take advantage of ICT technology in the learning process; teachers must be able to master it so as not to be left behind in this digital world, so teachers are required to understand IT." (Goddess W)

The improvement of teacher abilities must be supported by the implementation and development of teacher competencies both within the scope of small groups and on a national scale. The role of a teacher in education is very important. Especially in preparing the golden generation of Indonesia who is creative, innovative, tough and intelligent, of course, very qualified teachers are needed, such as having future competencies, critical thinking skills, clear thinking skills, and good communication skills (Kasim, 2013). Teachers are expected to conduct and carry out training related to scientific and technological developments according to the times. Training for educators is related to the development of teacher skills/competencies.

> "For the development of teacher skills at SDN 3 Palar, they attend online learning workshops and seminars. Meanwhile, when offline, teachers participate in KKG (Teacher Working Group).' (Suyatno)

21st-century learning is a must to integrate information technology and communication in student-centred learning. In the development of 21st-century learning, teachers are required to change conventional teacher-centred learning patterns to student-

centred learning because learning resources are abundant, not only teacher resource persons, so the role of teachers becomes facilitators, mediators, motivators and leaders in the learning process. 21st-century school standards can be called the digital Century, where all life activities are always related to digital technology, and it is necessary to apply technology in teaching and learning activities (Enggen and Kauchak, 2012)

The teacher is a professional job, which requires a special skills so that the position of the teacher in the learning process still cannot be replaced by any sophisticated machine. (Notanubun, Z :2019). The role of education is a reference for improving the quality of teachers because teachers are required to have four qualified competencies so that the implementation of education in the digital era can run well. Professional teachers in the digital era are teachers who, in carrying out their professional duties, are based on digital technology. The integration of technology in education by teachers is an urgent matter that needs to be implemented properly so that learning objectives in the digital era can be met and, at the same time, answer the need for education in accordance with the ongoing technological disruption. (Sitompul B:2020)

METHOD INTEGRATION

Methods in learning are important in relation to the development and implementation of the learning program can run well. The development of varied methods can help students be more enthusiastic about learning because students do not experience boredom and boredom in learning. To support the competence of teachers in pedagogical, personal, social and professional terms, a teacher, according to (Asmoro et al., 2021), must be given an improvement in learning methods such as learner-centred tutorials to games education. While according to (Somantri, 2021)

Teachers can apply certain methods and make classroom learning fun by preparing a variety of learning media. This is so that students do not feel bored in learning. In the learning process, every teacher hopes that their students can achieve maximum learning results (Wijayanti, T. I., & Utami, R. D. 2022). By applying various methods, learning in this digital era runs effectively, efficiently and enjoyably. In line with the opinion of Setiawan (2021) that teachers need to use various ways of teaching because the success of students is determined by the way the teacher teaches

There are many methods used by teachers in the learning process, ranging from learning methods such as using game-based learning, collaborative learning or discovery learning. However, students like learning that use direct strategies or game base learning, so teachers do interactive learning

using games and tools that can be directly seen, utilized and applied to make students more active. (M Taufiq)

Use of Modern Learning Media

In addition to the use of learning methods, teachers are also expected to be able to use digital-based learning media in the application of learning in this digital era. The use of varied and digital-based digital media can be integrated with the abilities of students who develop in this modern era, such as the use of laptops and projectors. Alpha generation students are very close to digital-based learning media. The alpha generation (2011 – 2025) is the generation that is most familiar with digital technology and the generation that is claimed to be the smartest compared to the previous generation. As many as 2.5 million alpha generation children are born in the world every week. Gen A is the most familiar generation with the internet of all time. (Suhendro, E:2022)

> Teachers use varied learning media. Teachers usually use projectors, use laptops for the upper class. For the lower grades, teachers use image media, the surrounding nature or the environment around the school that supports it as a learning medium. Electronic learning media in the lower grades has not been optimally used because the students do not really understand electoral learning media.

Latip and Rianto (2011: 4) in yulita stated that information technology is defined as a science in the computer-based field and its rapid development. With the use of information technology, learning in the modern era can run well in accordance with learning outcomes. In a learning process, the internet or digital-based media is one of the media that can attract students' attention because this digital learning media does not make students bored; even the classroom atmosphere can be fun (Garini, A. W., Respati, R., & Prana, A. M. 2020)

> In the implementation of digital learning in class 3, Mrs Luthfi as a class teacher uses various applications such as zoom, meet, Quiz, WA, and so on by first briefing students and parents so that it can make it easier for teachers to monitor students. Through google forms and quizzes.

Kustandi and Bambang (2013, p.6) said that the development of science and technology is increasingly encouraging efforts for renewal in the use of technological results in the learning process. The use of technology-based learning media is very important to support student learning success, especially in the current situation in Indonesia. Because the impact of covid that has hit for two years has caused changes in

the patterns and behaviour of the Indonesian people, one of the indicators is the use of gadgets that have increased.

Learning by utilizing WhatsApp is very useful in supporting the learning of this digital era. This is in accordance with what is stated by Indaryani & Suliworo(2018) WhatsApp group has various benefits, such as social, pedagogical, and technological. Users or WhatsApp users can submit various announcements, share learning resources, and discuss online.

UTILIZATION OF DIGITAL PLATFORMS

The use of digital platforms as one of the relevant strategies is applied to learning in the digital era, whose applications are online and offline. A digital platform is a program that can support the success of online learning. There are several platforms that can be used in the implementation of online learning, including Google Classroom, Edmodo, Learning House, Teacher's Room, Sekolahmu, Kelas Pintar, Zenius, Google Suite for Education, Microsoft Office 365 for Education (Mirzon Daheri, Juliana, Deriwanto, 2020). In addition to these platforms, there are other digital platforms that can be used during learning, including Whatsapp Group (WAG), Google Classroom (GC), Edmodo, and Zoom (Rachmawati et al., 2020). Because with the use of digital platforms, modern era learning becomes running optimally. This is in accordance with the opinion (Mastur et al., 2002), which states that teachers who will be successful in implementing online learning are teachers who utilize science and technology in the process of delivering material to students.

> The use technology is used; for example, in the upper class, during the pandemic yesterday, teacher friends used to use google meet, zoom meetings, quizzes, and google classrooms. Teachers optimally maximize the use of digital-based technology. The lower grades, especially the first grade, just use Whatsapp. The media is in the form of learning videos that are sent to the class grub, be it videos made by the teacher or downloaded from Youtube, because for the use of google meet, zoom meetings, quiz, google classroom in the lower class, the parents of the students do not understand.

Whatsapp Group is used for the communication process during the online learning process. This WAG makes it easier for teachers to communicate with students, students with students, and teachers with parents (Sulastri, D., Maula, L. H., & Uswatun, D. A. . 2020). The success of the online learning process is a one-way and two-way model, one of which is determined by the use of technology that provides interactive services

between teachers and students. The means that support this interaction in online learning are widely provided by digital platforms with various completeness (Assidiqi, M. H., & Sumarni, W.2020).

The use of video learning is one of the most effective ways to support learning in the digital era. This is in line with the views of Samosir et al. (2019). Youtube functioning as a platform to find information through videos that can be viewed directly. Currently, Youtube is one of the most popular online video-sharing sites. Youtube has become an interactive media that connects teachers and students (Suradika, A., Gunadi, A. A., & Jaya, S. A. 2020)

Facilities and Infrastructure Support

A means is a device of equipment, materials, and furniture that is directly used in an activity or activity. Facilities become completeness of needs in carrying out an activity or activities (Bafadal, 2011). The availability of learning support facilities and infrastructure affects the learning process and outcomes. The cause of low learning achievement is caused by the lack of student learning methods, the completeness and availability of learning resources, student discipline, and the ability of teachers to teach in the classroom. One way to improve student learning achievement is to change the way teachers teach and maximize the use of the completeness of existing learning resources. Wifi is one of the essential parts of learning, especially for searching for data and accessing the internet (Azhari, T., & Sahputri, J. 2021)

> During the post-Covid-19 pandemic, the school still provides allowances in the form of quota money for each student at MIM Medura. In addition, the school has also collaborated with Axis, but it was only given a starter pack. For teacher facilities, the school provides wifi because online, the teacher stays in.

To achieve the planned learning goals, it is necessary to have the right facilities and infrastructure to learn. In addition to facilities and infrastructure, of course, there is a need for good cooperation between students, teachers and guardians of students. Because without cooperation and harmony in assisting students in learning online, the teaching and learning process online or remotely experiences various obstacles. In the process of online or distance learning, a teacher must find a way so that the learning material can be easily accepted by students and the learning objectives are achieved (Hanifah Salsabila et al., 2020).

CONCLUSION

Based on the analysis above, learning in elementary schools in the digital era must change from classical learning and utilizing the lecture method. It is time for elementary school learning strategies in this digital era to be compiled and designed into learning that is fun and utilizes modern media because of the different generations that are different from the ancient period; of course, learning outcomes will also be different. Among the implementation of the digital era, elementary school learning strategy by improving the ability and competence of teachers, integrating methods, using modern media, utilizing digital platforms and supporting adequate infrastructure is the main requirement for educational objectives so that learning outcomes can be adequately achieved. Hopefully, this strategy will be a solution for elementary school teachers who will carry out future learning. So that learning can run well and does not cause loss of education. This study will provide recommendations for future research on elementary school learning management and improving student abilities in the digital era.

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