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## E-Learning as a Learning Media in Primary Schools during Pandemic

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### ABSTRACT

Currently, the world is faced with an outbreak of a disease caused by a virus known as covid 19. Along with the high number of positive cases of covid 19 in Indonesia, the government is urging to deal with this covid 19 pandemic immediately. Various policies have been carried out, such as implementing physical distancing, lockdown, and the 5M movement. The existence of these policies certainly impacts most aspects of life, especially in the education aspect. Learning that is usually done face-to-face becomes impossible. So that the government issues a policy so that the learning process can be implemented. One of the solutions offered by the government is to change face-to-face learning into online learning (in the network) using e-learning sites. E-Learning media is supported by various learning features that are made like face-to-face learning.

### 1. Introduction

Education has now become a necessity that will make humans more developed and ready to face challenges in the future. Efforts to improve the quality of education in schools can be done through learning. In achieving learning objectives, students interact with the learning environment at school. The core activity in the educational process is learning. Where with learning activities it is hoped that changes in behavior can occur in students according to their respective abilities. Each learning activity still has goals to be achieved but not all of these goals can be achieved in accordance with the maximum. However, professional teachers will always try their best so that the goals in educators can be achieved optimally.<sup>1,2</sup>

The Covid-19 pandemic has affected almost all aspects of human life. The spread of the Covid-19 virus in various countries, forces us to see the fact that the world is changing. We can see how the changes in the fields of technology, economy, politics and education in the midst of the crisis due to Covid-19.<sup>3</sup> One of the major changes that has occurred in the world of education is that learning which is usually done face-to-face can now not be implemented and must be replaced with online learning. (on the network) which is executed at home. So that the government issues policies so that the learning process can be implemented. One of the solutions offered by the government is to change face-to-face learning into online learning (in a network) using e-learning sites. E-Learning media is supported



by various learning features that are made like face-to-face learning.

In accordance with the Circular Letter of the Minister of Education and Culture of the Republic of Indonesia Number 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of Coronavirus Disease (Covid-19) in point 2, the learning process from home is carried out as follows. First, Learning from Home (BDR) which is carried out online/remotely aims to provide a meaningful learning experience to students, without having to burden students with demands to complete the curriculum completely to meet the requirements for grade promotion or graduation. Second, Learning from Home (BDR) can be focused on life skills education, including regarding the Coronavirus Disease Covid-19. Third, the activities of the learning process from home (BDR) can be varied according to the needs and characteristics of students and also consider learning facilities that can be accessed at home. Fourth, at the end of each lesson there must be feedback from students as evidence and product of learning from home activities (BDR).

The decision to study at home was taken with full awareness that Covid-19 is very contagious and every individual can play a role in transmitting or breaking the chain of transmission of the Covid-19 Pandemic. To break the chain of transmission of the virus, various policies have been carried out, such as implementing physical distancing, PSBB, lockdown, and the 5M movement. Large-scale social restrictions require the government to issue new policies in the world of education so that the learning process can still be carried out so that educational goals can be achieved optimally.

Based on the Circular Letter of the Ministry of Education and Culture Number 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of Corona Virus

Disease (COVID-19), the learning process is carried out online through the implementation of Learning from Home (BDR). teachers and students at home One of the most impacted education sectors due to the Covid-19 pandemic is primary school education.

During teaching and learning activities carried out at home, students are encouraged to stay active at home and apply clean and healthy living behaviors. By continuing to move from home, students will automatically keep their distance from other people (physical distancing) and avoid crowds of people (social distancing). The purpose of this learning from home (BDR) activity is to break the chain of the spread of the Covid-19 disease. Learning from home (BDR) activities are different from learning activities in schools. If teaching and learning activities in schools are usually done face-to-face, now learning from home (BDR) is done online. Some call learning online or online so that in the teaching and learning process, teachers and students do not need to meet face-to-face in one room. however, this online learning can take place in different places.<sup>4,5</sup>

Online learning is learning that is done online by utilizing learning applications and social networks that are usually used, such as WhatsApp, Google Meet, Zoom, Google From, Class Room, E-learning, and many more. Online learning is the implementation of online learning class programs to reach massive and broad targets. Without any limitations on space, time and number of students who access.

Online learning is a new challenge for educators during the COVID-19 pandemic, which requires teachers to be able to seek various ways in carrying out the learning process in order to achieve educational goals and are expected to be able to form positive characters for students. So the teacher must develop planning, implementation and evaluation of learning steadily.



The principle of Learning from Home Activities (BDR) is that students can learn without limitations of time and place, anytime and anywhere students can access the material provided by the teacher and learn immediately. This online or online learning activity is expected to support the smooth learning process from home (BDR) and facilitate communication between teachers and students. Because what should be learning between teachers and students is carried out in schools face-to-face in classrooms during the COVID-19 pandemic, learning as before cannot be carried out so the government recommends that learning be carried out at their respective homes.<sup>6,7</sup>

The existence of teachers as one component in the education system greatly affects the results of the teaching and learning process. In the teaching and learning process, teachers also need various facilities and infrastructure that can be used to support the online learning process in order to maximize learning from home (BDR) so that the expected goals can be achieved optimally. The facilities and infrastructure are used by the teacher in delivering the material to students.

This change in the learning process forces the various parties concerned to be able to follow the flow if possible so that learning can take place and learning objectives can be achieved properly, and become the right solution for learning in the midst of a pandemic like today.

### **Understanding e-Learning**

E-learning is one of the most effective media or learning methods that is able to reach a very wide area, at a relatively low cost. To access learning materials in e-learning, a computer with an internet or intranet network is needed. Learning materials are always available whenever and wherever they are needed, so they can overcome the constraints of space and time.

E-learning can be defined as a form of information technology that is applied in the field of education in the form of a virtual world. The term e-learning is more appropriately intended as an effort to make a transformation of the existing learning process in schools or colleges into digital form that is bridged by internet technology.

Online learning or e-learning is a form of learning model that is facilitated and supported by the use of information and communication technology. E-learning can be defined as a form of information technology that is applied in the field of education in the form of a virtual world.

E-learning is an educational system that uses electronic applications to support teaching and learning with other computer network media. The term e-learning can also be defined as a form of information technology applied in the field of education in the form of a virtual world. E-learning is one of the most effective media or learning methods that is able to reach a very wide area, at a relatively low cost. To access learning materials on e-learning, a computer with an internet or intranet network is needed. Learning materials are always available whenever and wherever they are needed, so they can overcome the constraints of space and time. In the concept of e-learning, not only subject matter is provided online, but also marked by the existence of a system (in the form of software) that regulates and monitors interactions between teachers and students (lecturers and students), either direct (synchronoius) or delayed (asynchronoius).

In e-learning this system is known as LMS/CMS (Learning/Course Management System). Popular commercial LMS software include WebCT, Blackboard, TopClass, eCollege. Meanwhile, which are open source which are widely known, among them are Dokeos (which is used by UNEJ) and Moodle. LMS/CMS not only provides space for lecturers to put subject matter but also provides



other facilities such as direct communication (chat, teleconference, video conference), delayed communication (e-mail, mailing list), progress tracker (progress tracking), subject matter ( syllabus, course materials, collection of questions, online exercises).

E-learning demands the activeness of students. Through E-learning, students can search for and retrieve information or learning materials based on the syllabus or criteria set by the teacher or education manager. Students will have a wealth of information, because they can access information from anywhere related to their learning material.

### **The use of e-learning in elementary schools**

The application of e-learning is a consequence of changing times that must be lived, which then becomes a concern is how to apply it in the classroom. There are several important points that educators should pay attention to when they want to integrate e-learning in the classroom. The first thing to note is the level of importance of using technology-based learning tools, because the main goal of learning is to make students happy to learn and able to learn independently which will encourage them to become "life-long learners". Therefore, it is necessary to think about making plans and activities that make students happy and like the lessons given. ning in elementary school

E-learning technology must be adapted to the curriculum and the needs and objectives of the learning itself. So that teachers must be able to choose and sort out the right materials and equipment that can support teaching and learning activities that are supported by the use of the technology. Then the teacher as a facilitator must be able to create cooperative and constructive learning and emphasize the basics of scientific thinking to students. The main focus of education today is the learning process, not technology. All these facilities

and infrastructure are a way to make students more interested, and motivated to build a better learning attitude. As teachers we must continuously learn, apply, improve, and effectively integrate technology to enrich and expand the scope of the curriculum as well as to encourage and accelerate various types of learning that support the growth and development of students so that they are able to become more creative and innovative individuals.

For elementary school children, the disproportionate use of the internet can ignore manual skills such as handwriting, drawing, arithmetic, etc. In this connection teachers need to have the ability to manage learning activities proportionally as well as the need for good cooperation with parents to guide children to study at home. So here students are really required to play an active role in interactive learning through computers. and the internet. Children deal with computers and carry out interactive learning activities through the internet to obtain learning materials from various learning sources. Children will carry out learning activities that are in accordance with the conditions of their individual abilities so that children who are slow or fast will get learning services that are suitable for themselves.

The curriculum is developed in such a way in a more supple or soft and flexible form. And it is possible that in the future most elementary school students will bring a laptop with wireless internet access. To be able to take advantage of e-learning in improving the quality of learning in elementary schools, there are three things that must be realized, namely: Students and teachers must have access to digital technology and the internet in classrooms, schools and teacher education institutions. There must be quality, meaningful, and culturally supportive materials for students and teachers. Teachers must have knowledge and skills in using



digital tools and resources to help students achieve academic standards.

## 2. Conclusion

Based on the results of research, the implementation of learning using e-learning media is effective in learning during the pandemic. In planning learning using e-learning, the teacher first chooses relevant learning methods and tools, namely using videos, determines how to evaluate it, namely by collecting resumes or doing practice questions in e-learning.

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