

Analysis of the Use of Zoom in Online Learning in Elementary Schools

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DOI: <https://doi.org/10.32528/issn.v2i1.134>

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Published: August, 2022



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Abstract: The transition of learning from offline to online provides an overview of the continuity of education in the future. Transition requires teachers to provide innovation in learning. Learning innovations that can be used are using online applications in online learning. This study aims to describe the use of zoom in online learning in elementary schools and the advantages and disadvantages of using zoom. This research is a library research or literature review. This study analyzes articles/journals published in the last 10 years and according to the research topic. The results of the research in this study are the use of zoom for the learning process consisting of the planning stage, implementation stage, and evaluation stage. The advantages of using zoom are 1). Facilitate achieving learning objectives, 2). Facilitate interaction between teachers and students, 3). Creating active learning in online learning, 4) diverse features. Disadvantages of using zoom is Internet Connectivity.

Keywords: Zoom, Elementary School, Learning Media

INTRODUCTION

The covid-19 virus that hit Indonesia in early March 2020 had an impact in various fields of life, including education. Covid-19 is an infectious disease by spreading directly and indirectly [1]. The spread of the Covid-19 virus is happening very quickly, so steps and policies are needed to overcome it. One of the steps taken is by limiting interaction with the community. In the field of education, the Ministry of Education and Culture issued a policy so that learning that previously took place face-to-face was turned into online learning. Online learning will provide new habits for parents and students at home [2].

Education carried out online has an impact on the readiness of teachers and students who inevitably have to be ready to apply online learning. Online learning has resulted in major changes in the learning process. Online learning is a learning system using a platform that is able to support learning even from a distance [3]. Online learning is a learning activity that is carried out remotely through media with the help of computers and smartphones [4]. The emphasis on online learning is thoroughness and foresight. Based on this understanding, it can be concluded that online learning is learning that is carried out remotely with the help of a computer or smartphone and connected to the internet.

Online learning is carried out so that the learning process can still be carried out even though it is limited. Teachers have obligations and duties that must be carried out to achieve learning objectives [5]. To support online learning, teachers are required to use information and communication technology in the teaching and learning process. Using technology in learning will facilitate the teaching and learning process because students and teachers can still interact even remotely. The effectiveness of distance learning relies on the teacher's skills in delivering teaching materials such as conventional/face-to-face learning processes [6].

The development of ICT as a rapidly growing learning medium has given rise to various platforms that can be used by teachers. One of the platforms that can be used by teachers as a medium to support online learning is Zoom. Zoom is a video conferencing platform that facilitates every user for presentations, discussion questions and answers. The use of zoom meetings in learning in addition to conveying/explaining material to students, teachers can also discuss directly with students [7].

Based on this description, the purpose of this study is to analyze the benefits of using zoom in the online learning process for students and teachers. This is based on the demands of teachers in online learning who must use technology-based media in teaching and learning.

METHOD

This research is a library research or literature review. The purpose of literature study research is as an initial step in planning by utilizing the literature in order to obtain data without going directly in the field [8]. This study analyzes articles/journals published in the last 10 years and according to the research topic. Researchers sort out articles/journals that are considered relevant by researchers so that the objectives of this study are achieved. In this study, the analytical technique used is content analysis. Analysis is used to examine a text objectively in order to get an overview of the contents of the text without being changed/intervention by researchers [9]. The data obtained are poured and grouped into sub-chapters in order to answer the research formulation.

RESULTS AND DISCUSSION

Online learning is done with deep consideration. These considerations pay attention to aspects of the readiness of teachers, parents and students. Parents play a role in assisting students during the learning process. In addition, the teacher must prepare the learning process so that it can be carried out in accordance with the objectives to be achieved. Based on the results of the analysis of the data that has been collected by the researchers that there are three stages in the use of zoom, namely:

1. Planning

stage At this stage the teacher plans the next steps in the learning process. What to use and how to do it. The preparations were planned in full. Planning is adjusted to the methods, media and materials that are poured into the scenario or lesson plans. In online learning, the learning process is carried out remotely. Distance learning requires collaboration between teachers, parents, and students. Planning in the learning process using zoom is the first step to confirm to parents and students before learning, and students are directed to keep following the learning rules [10]. Parents and students are socialized on how to use zoom in learning so that the learning process can be carried out.

2. Implementation

stage At this stage the activities are carried out based on a learning scenario that has been designed using the zoom application in learning [11]. Learning is carried out based on scenarios so that learning objectives can be achieved. Scenarios/plans are made to reduce errors in learning. In addition, at the implementation stage, the teacher starts by utilizing the existing features on the zoom. Teachers should create active learning and increase the participation of students during the learning

process. Learning using zoom is carried out like face-to-face learning, which consists of opening activities, core activities and closing activities, the only difference being that the learning process is carried out online.

3. Evaluation

stage At this evaluation stage, the teacher evaluates learning and evaluates the learning process. Learning evaluation is done by giving tests and questions to see the success of the learning that has been carried out. Evaluation of the learning process, namely the teacher sees the effectiveness of using zoom and sees the obstacles that need to be overcome in learning to use zoom. Constraints that occur during the learning process should be addressed immediately so that the next learning process can run according to the expected goals.

The advantages of using zoom

1. make it easier to achieve learning objectives

. In learning using zoom, the learning process can be carried out as if the learning is done face-to-face in class, the teacher can ask questions, write on a digital whiteboard, etc. The teacher makes the learning atmosphere in room zoom as if it were face-to-face learning in class so that learning objectives can be achieved [12]. Learning that can be done like classroom learning will help teachers achieve learning goals because there are no boundaries or lines that distinguish online learning from face-to-face learning, it's just that the learning atmosphere may be different.

2. Facilitate interaction between teachers and students

Learning using zoom can be done anywhere and anytime, students can interact verbally and face to face [13]. The use of zoom makes it easier to communicate. Teachers and students can see each other's faces digitally. In addition, Zoom also provides a chat room to accommodate students interacting in addition to using voice. Zoom is used in learning to help online learning because of its quality and ease of use [14].

3. Creating active learning in online learning

Based on research results [13] that students are seen to be active in every lesson or during learning by using online zoom. Active learning can be created if there is a two-way interaction between teachers and students. Through

4. a variety of features

One of the advantages of zoom is a variety of features [15]Zoom offers a variety of features to take advantage of in online learning. The most frequently used features are sharescreen, room chat, raise hand, digital whiteboard and audio-video.

Disadvantages of using zoom

1. Internet Connectivity

In online learning, connectivity is one of the most important elements for learning to take place. Connectivity is used to connect to each other via the internet. In the learning process using zoom connectivity is very influential. Whether or not the signal/internet connectivity is strong will have an effect, students with slow signal/slow connectivity will disrupt the learning process and cause the audio to not sound clear/broken then share screen does not appear or connect. Zoom is only used occasionally because not all students can access it and there are some students who are constrained by the signal [16]

CONCLUSION

Online learning should pay attention to the readiness aspects of teachers, parents and students. Parents play a role in assisting students during the learning process. In addition, the teacher must prepare the learning process so that it can be carried out in accordance with the objectives to be achieved. In online learning using

zoom, there are three stages in learning, namely the planning stage, the implementation stage and the evaluation stage.

Learning to use zoom has advantages and disadvantages that should be noted by teachers. The advantages of using zoom are that it makes it easier to achieve learning goals, facilitates interaction between teachers and students, creates active learning in online learning, has various features and the disadvantage of using zoom is Internet connectivity.

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