

USING THE ZOOM APPLICATION TO SUPPORT ONLINE LEARNING DURING THE COVID-19 PANDEMIC

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Abstrak

Due to the spread of COVID-19 in Indonesia, all Indonesian students need to study online from home. Padang State University is one of the institutions that implements e-learning using the Zoom application. Zoom Cloud Meeting is one of the most frequently used e-learning resources at Padang State University. In online learning, it is very important to pay attention to what students understand as learning progresses. The purpose of this study was to find out and understand how to use e-learning with the Padang State University Zoom application in the pedagogy class. The research method used is literature study based on data from various articles, reference books and other complementary documents. Based on the results of the study, it was found that e-learning using the Zoom application was widely applied to the learning process. Online learning is very attractive to students because of its more flexible learning methods. Online learning allows students to be more independent and more active in their learning. Many of Zoom's features make learning even more fun. In addition, students can feel the understanding and acceptance of the lecturer.

Keyword – Online Learning, Zoom Application, Pandemic

1. Introduction

After the outbreak of the Covid-19 virus in Indonesia, it turned out to have a unique impact on the world of education. The government has announced several policies and measures that can be taken during the coronavirus outbreak. One of the policies implemented is to cancel all educational and learning activities which then switch to an online system. Students can communicate with their lecturers at any time through online or distance learning, and vice versa. The nature of independent communication between students and lecturers or together through bulletin boards. Communication is always optional, whether concurrency is required or not. Distance Education (PJJ) according to law is a learning model that separates lecturers and students. According to Articles 1 and 15 of Law Number 20 of 2003, distance education is education in which students use various learning resources through communication and other media such as technology, telecommunications, and others, separate from the teacher.

Distance learning methods strengthen knowledge of the four components of education: general education and teaching subjects, and teaching and education methods for child development can be used as better classroom guidelines (Firman, 2019). Online learning can be new to students. Technology can now be learned online while interacting with video, document, digital, etc. classes. Therefore, the mass function has been developed, but it was accessible online during this period. Distance learning that can be implemented by students is video conferencing. Learning in video conferencing can usually replace learning done on a multimask mask on the face. Using conferencing remote video, even if it is not closed, students and education help to continue to treat the man. Even if it is not a learning site, it is likely to deal with education students, and directly with students (Sandwarno, 2016).

The use of video conferencing in distance learning is a huge benefit to student learning as educators can also interact in different locations. The use of video conferencing in distance learning will greatly assist students in learning because educators can interact even in different places. The app is free to

download, but it still works and has features like calls, webinars, presentations, and more. The app is considered to be of high quality and is certified by the Fortune 500 companies that use the service. The use of zoomed in video conferencing applications has become very popular in recent times. This is partly due to the spread of the Covid-19 virus since the beginning of 2020. With the spread of the virus, people have to stay at home to break the chain of the virus.

Zoom can be classified as an online learning medium. It can be understood as a kind of teaching and learning that provides textbooks to students via the Internet. As an alternative to online learning, online learning offers many advantages, especially when it comes to distance learning courses. The purpose of this study is to understand and properly use video conference-based learning as an online learning medium for students during the Covid-19 pandemic in accordance with the objectives of Education in Law No. 20 of 2003. This finding is expected to inspire educators in universities to implement distance learning during the Covid-19 pandemic.

2. Method

This study uses a literature review, meaning that this research is the most important part of research that is sourced from reference journals and articles and other sources obtained from books, government papers and conference materials. Researchers analyzed how the application of the zoom application in online learning for students. According to Cresweel (2010), a literature review is needed to provide information to readers about the results of research related to research carried out when researchers combine research with existing literature and fill in sections that have never existed before. According to Zed (2008) there are four steps in library research, namely:

- a. Provide equipment in the form of pencils and pens as well as books for taking notes, its use is to record important things found in reading sources so that it is easier to analyze them.

- b. Compiling a working bibliography, a working bibliography is a record of the main sources used for research purposes. When researchers find sources related to the problem that we want to examine, we need to save these sources so that they are easy to find.
- c. Managing time as well as possible, it could be by planning how many hours a day we need, or in one month, it's up to the individual himself in utilizing his time. This means that researchers must target when to work on it, so that when working on it can be done calmly without rushing so that the results can be obtained optimally.
- d. Read and make research notes, such as what is needed in research that needs to be noted so as not to be confused. Here, the researcher records keywords from sources related to the research that will be discussed so that later when making research we do not easily forget.

3. Result and Discussion

a. Understanding Online Learning

Khusniyah & Hakim (2019) mention that several studies show that technology has many positive effects on learning. The Internet has been integrated into a tool used to complement learning activities (Martins, 2015). The purpose of online learning is to provide quality learning services in a massive and open network to reach learning space enthusiasts to be more and wider (Sofyana & Abdul, 2019). Online learning is organized through internet and web 2.0 networks (Alessandro, 2018), meaning that the use of online learning involves elements of technology as a means and the internet network as a system.

b. Online Learning Media

Online learning is a learning system that is carried out using pedagogical tools or educational aids that allow you to use internet access and good information technology to be a facility in the formation of the learning process and knowledge through interactions carried out (Roida, 2020).

1) Google Classroom

Google Classroom is an application used around the world, especially in education, to facilitate lifelong learning during the current pandemic (Roida, 2020). Google Classroom is used by all users at various levels/levels of education at primary, secondary, secondary/professional, and college levels. Not only easy to use, Google Classroom is also efficient without being too complicated to access and use the learning provided by teachers and lecturers who use the platform in distance learning courses. Among the features possessed by Google Classroom are assignments (assignments), grading (measurement), communication (communication), time-cost (time saving), archive course (program archive), display class code, mobile application (mobile application), and privacy (personal security) (Islami, 2020).

2) E-learning

E-learning is a form of media or learning platform that is supported by the use of information and communication technology. And it can be used to support online learning as it is today (Hanum, 2013). E-learning is one of the platforms used to support the passage of an education from various levels, from elementary, junior high, high school, and university. With e-learning, of course, learning becomes more effective and flexible, can be accessed anywhere and anytime as long as there is an internet package that is able to support it. Because there is no standard definition and standard implementation of e-learning so it has a varied definition, some say that E-learning is short for electronic learning.

The definition of e-learning according to The ILRT of Bristol University (2005) e-learning as the use of electronic technology to deliver, support, and improve teaching, learning, and assessment during the learning process. From some of these definitions, we can see that with the existence of e-learning as a means to facilitate access to learning, because indeed the characteristic of learning using an e-learning platform is the creation of a flexible and distributed learning environment (Suartama,

2014). It is said to be flexible because learning with e-learning can be accessed wherever we are and at any time, but we all need to know that learning using e-learning requires an internet signal or can only be done with an online system that is capable of being a supporter.

3) WhatsApp

WhatsApp is one of the communication media that is familiar to our ears and is even very popular and is the platform we use today for both personal and social interests. This application is almost owned by all gadget users. Besides being able to be used to communicate remotely, this platform can also be used as a supporting medium in the learning process, such as during the current pandemic. This platform is a tool used to carry out long-distance communication in the form of conversations using text, images, sound and video. WhatsApp is able to connect with our friends and family who are anywhere and anytime when we have a good network that is able to be a supporter for us to access it (Roida, 2020).

4) Zoom

Zoom is a meeting application with video and screen sharing with the number of participants up to 100 members and even up to 1000 more who can join in this application. This video conference application has a duration of time when we have meetings with other people. However, this application is very helpful for those who want to have direct discussions using a virtual room because it has a large enough space capacity in one meeting. Zoom is a communication application using video so that when it is used for the learning process, we will feel that we are face to face directly because we are able to see people who are far away by turning on the camera that we have in using this zoom platform (Astini, 2020).

c. Steps to Apply Zoom

Using media in the form of applications in the application of learning certainly brings its own positive impact both for educators and for students. However, before using the application, educators and students must first

know what features can be provided and how to operate the application.

Here are the steps on how to use the Zoom cloud meetings application:

- 1) Download the application, the zoom cloud meetings application can be downloaded using a cellphone via the play store or apple store and if using a computer the zoom cloud meeting application can be downloaded at <https://zoom.us/download>.
- 2) After downloading the application, the next step is to open the installed application.
- 3) After the application is opened, the display will appear as follows:



Then click join a meeting.

- 4) Then the next step is for students to enter the meeting ID and password that has been provided by the educator, then click join. Apart from the 2 steps above, it can also be done with other alternatives, namely by clicking on the meeting link that has been shared by the educator.
- 5) And then the educators and students are connected in a video meeting.

d. Zoom App Advantages and Disadvantages

In an application of course there are several features that are the advantages and disadvantages of the application, but it does not rule out the possibility that apart from having advantages, of course there are also disadvantages. According to Brahma (2020) the following are the advantages and disadvantages of the Zoom cloud meetings application.

a. Excess

- a) One on one meeting feature is available.
- b) Can hurt group video conferencing.

- c) Best video and sound quality.
- d) Available screen sharing and chat features.
- e) Available features on / off speakers and video.
- f) And there is a video call recording feature.
- b. Deficiency
 - a) Only lasted 45 minutes the first time (sign back if you want to continue).
 - b) There is no Indonesian language available, so this is an obstacle for users who do not understand English.

b. Using the Zoom App in Online Learning

As explained earlier, that the spread of this virus has an impact on every order of Indonesian people's lives, for example the economic, political, socio-cultural, religious order and even the education system. As we can see today, the government has moved the student learning process that should have been face-to-face to study at home. Al-Syaibani defines education as an effort to achieve good in terms of a person's behavior from his personality in society and in the natural life around him (Rahman, 2012). Regarding this issue, education is an effort to improve morals and develop the potential that exists within a person to become a perfect human being and able to implement it in social life and the natural surroundings. The learning process does not escape from interaction with other people. Need teachers, classmates and a place to express their potential. This means that humans need other humans. This is different from what we feel today.

The learning process is in such a way, if previously applying a conventional learning system, now applying a modern learning system with an online concept. This was responded swiftly by students to study at home, of course using media so that the learning process can run smoothly. Since the enactment of the lockdown, where every agency or school or college institution has been closed. But it's not just a holiday, but work or learning is replaced with "study at home" or "work at home".

Lately, gadget users have been busy with one of the most important applications at times like these. The application is called Zoom Cloud Meeting. This application is a virtual tool that makes it easy for humans to interact with other humans. This application also helps us to be able to connect with many people even if only at home. Through this application we can also meet online, study online and work online. However, not all online learning is fun, even some students assume that online learning can be a bit relaxed. Online media learning has drawbacks, including teachers and students do not have direct interaction.

In developing a child's potential, encouragement and motivation from teachers and friends have a big role in his psychological state. If you meet the teacher only through the media, what about the child's growth and development. Likewise with the learning method chosen by the teacher. In a face-to-face learning situation the teacher can choose a modern learning method that is more fun if applied with students so that it makes students interested in learning and exploring the material. The teacher has no other choice but to use conventional learning methods such as lectures and questions and answers so that it invites the saturation of students in learning. According to (Nurkholis, 2020) learning saturation is a person's mental condition when experiencing extreme boredom and tiredness that causes a feeling of sluggishness and lack of enthusiasm for any activity. Conditions like this can hinder students in achieving maturity of thinking and achieving their learning goals academically and psychologically.

As a result of less than optimal online learning, which is only charged with so many tasks that make students psychologically traumatized which results in less effective learning. The solution that must be offered by the teacher is to make online learning more fun for students such as teachers making games that are distributed to students through online media but games that contain education in it. Or the teacher provides time for students to pour out their hearts during learning via zoom and provide motivation for students. Learning through the media is less

effective than direct learning in class. However, this must still be done as long as the corona virus has not disappeared and to break the chain of corona virus spread.

4. Conclusion

Based on the research, it can be concluded that online learning gets very good responses from students because learning is more flexible when using it. With online learning, students are more independent and encourage students to be more active in their studies. It's just that there are several things that need to be considered, one of which is the availability of internet data packages, which students spend more extra on when learning online. Online learning through Zoom makes learning more effective, due to the many supporting features during online learning in the midst of the covid-19 pandemic.

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