

IMPLEMENTATION OF ONLINE LEARNING BASED ON EDUCATION LEVEL

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Abstract

Online learning plays a very important role in this current pandemic. All levels of education must implement online learning because face-to-face meetings are not possible. Many people complain that online learning is not effective. This is due to several things, for example, the application of online learning requires accuracy to match students with their level of education, both in terms of strategy and application. This article discussed an overview of online learning by analysing the level of education and determining the appropriate technique. The results showed that analysis and preparation steps were needed. Therefore, it is necessary to do the right strategy in online learning activities by determining the techniques used. This is because a technique is not necessarily appropriate for all levels of education. The step must be appropriate for the level of education of the students. Next determine the application and implement the strategy.

Keywords: education, online learning, techniques

1. Introduction

Covid-19 is a currently topic of conversation. In some of area, the pandemic still dominates in public. In a short time, the phenomenon becomes a trending topic which all of people discussed and reported massively in print and electronic media.

In Indonesia, several local governments decided to implement a policy to dismiss students and start applying learning methods with online system. This government policy came into effect in several provinces in Indonesia on Monday, March 16, 2020, which was also followed by other provinces but this does not apply to several schools in each region. Several schools are not ready for online learning systems, which are require learning media such as cellphones, laptops, or computers. [1]

Online learning system (network) is a learning system without face to face between teachers and students directly but carried out in online using the internet network. The problem came from teachers who feel online learning is not effective enough. Some teaching materials (such as mathematics, arts, and sports) cannot be conveyed well. Teachers also do not have sufficient experience and provision

with online learning systems so that the teaching methods and media still tend to be repetitive and less innovative. There are also concerns about the increasing cost of internet, especially because there is no internet subsidy from the school. Not only student in school but also students University complained about the online learning system. Many students have to postpone their research because they cannot collect data in the field. Final project consultation was hampered. As a result, the target pass was threatened with being delayed. [2]

In practice, many teachers or students state that online learning or e-learning is less efficient, due to many factors and obstacles in carrying out learning. Students cannot interact directly with friends and lecturers. The experience of students in college using the online learning method or e-learning has problems with internet connections during the class, not to mention that those who live in rural areas are likely to have difficulty getting a good signal and they spend more money on buying internet quotas. Besides that, the lecturer only gave the materials and assignments without explaining the material, so they did not understand the learning material. [3]

2. Literature Review

After the emergence of the Covid-19 outbreak on earth, the education system began looking for an innovation in the teaching and learning process. Even though, today many households use smartphones, social media and laptops. In fact, there are still quite a number of people who do not have internet access, PC and smartphones. Even if they have a computer at home, they may not necessarily have the ability to start e-learning courses. Especially in Indonesia which is geographically very varied. [4]

Given the facts as above, it means that e-learning cannot be accessed and used by all households. They also have to provide infrastructure such as smooth internet access, computers or laptops to support the learning process.

Here are some facts about the application of electronic learning (1) Learning results that will be obtained. Many e-learning requires students to be in front of a screen to watch videos, read materials, and then immediately take a test.

What we don't realize is that the learning process feels too fast and students haven't learned much useful material. E-learning is still limited in being able to teach practical skills, does not have the ability to answer student questions directly, and has limited interactions.; (2) Learning outcomes depend on the students who

followed it. The next weakness that e-learning is a teacher cannot fully supervise students who take part in the learning process. Thus, the success of the learning process will depend on the students who followed. Students must be willing to take the e-learning program according to the specified schedule, have the motivation to be involved in the learning process, and not cheat on the tests held. If a student who learns using e-learning method get high motivation to achieve goals, ,means that this method of learning can function very well. But for those of you who are not motivated to increase knowledge or skills, e-learning will not be completed properly;

(3) e-Learning cannot adapt to everyone's learning style. In the learning process, each individual has different learning styles from one another. There are people who can focus on studying on their own, there are people who learn by reading theory, learn by watching pictures and videos, and others who learn better by speaking or listening;

(4) E-Learning cannot adapt learning styles to the personality of each student who participates in learning activities. All students will take part in a learning program that has been made the same and only supports one or two learning styles. Of course, you will not get the above by taking training or courses that can meet face to face with the teacher or mentor directly. A teacher can certainly respond dynamically to the various learning styles possessed by their students ;

(5) You need a real teacher to learn. Some knowledges and skills cannot be done just by reading and watching videos offered in the e-learning process. You need a classroom to discuss, work in groups, practice hands-on, make presentations, and ask questions with the teacher.[5]

Each region has different demographic conditions. In fact, the characteristics can even differ in one region. Talking about online learning at the educational level. Such in the senior high school and junior high school levels which focus more on the quality of learning methods, for the elementary level there needs to be an emphasis on the function of parents in learning, especially for lower level classes. Even young elementary school students need more interaction with their surroundings. Therefore, a good blended learning system is needed so that the usefulness of the tasks that students receive can be maximized. [6]

If it is limited to being full online, it is not possible, because various basic materials exist in elementary schools, and from elementary school must fully understand the concept. Likewise with assignments, you cannot just do assignments whose answers can even be typed on Google. Therefore, the task

must emphasize the benefit for students, be problem-based, and the task has to do with student interactions with the surrounding environment. [7]

The application of online learning in the upper level education environment also has problems. In fact, not all lecturers fully understand how and what is meant by online lectures. One of the main problems is related to network constraints experienced by students. Many students have difficulty accessing both the assignment and the given module.

Some students unrest is related to the implementation of an online lecture system ; (1) Good connection become obstacles for students in accessing the lecture module ; (2) Some electronic devices require that they be connected to electricity, if a power failure occurs, students will have difficulty making attendance; (3) In fact what happened was not online lectures, but online assignments; (4) Online submission of assignments opens opportunities for higher copy paste; (5) Students are not flexible in learning because there is no 2-way communication between students and lecturers. [8]

This study used a method in the form of literature analysis or library research. Literature analysis is a method by conducting a review of various kinds of scientific sources, which can be sources in the form of national journals, international journals, books, and other literature by adjusting the studies raised and discussed.

3. Research Methods

This study used a method in the form of literature analysis or library research. Literature analysis is a method by conducting a review of various kinds of scientific sources, which can be sources in the form of national journals, international journals, books, and other literature by adjusting the studies raised and discussed.

4. Result and Discussion

The practice of online education (online learning) is carried out by various levels of education from elementary, junior high, high school, to college levels. There are no longer learning activities in classrooms as is commonly done by educators: teachers and lecturers. The right step but without adequate preparation.

4.1. Problems

Some constraints can be analyzed by adjusting online learning techniques according to the level of education, separated into elementary school, junior high,

high school and college levels. Each level of education has different problems.

These are the problems;

4.1.1. Inadequate Device and Network

Limitations to internet access, electricity, and not having a device make it difficult to do online learning. Students at lower levels of education such as those in elementary school generally do not have their own smart phones so activities are done through parents' smartphones. The fact is that many parents don't have smart phones. The case of parents stealing smartphones in one of the regions in Indonesia is evidence of a large social disparity affecting the continuation of online learning using smartphones.

4.1.2. Students' Ability to Use Electronic Devices

Students in elementary schools are generally not very good at using smartphones or PC especially in implementing the online platform for online learning. There are many applications and platforms that can be used for online learning using smartphones or PC. Several platforms that provide online learning facilities for example; Ruangguru.com, Zenius, a learning house. This platform provides tutors and learning materials that we can access via the internet. In addition, there are applications specifically made for "Learning Management System" applications such as Google Classroom and Microsoft Teams.

4.1.3. Further Parental Roles are Needed

In online learning, parents have an important role in optimizing online learning. In this case, parents are required to be closer to their children. Parents also play a role in helping children understand what they are learning. Parents are required to accompany children during the learning process. This aims to create seriousness and supervision of the learning process. Parents also play a role in fostering high learning motivation. Because without a sense of motivation to learn, online learning will not run optimally.

The online learning system becomes optimal with accompanying parents. However, the obstacle is not all parents can assist their children during online learning for various reasons, for example the parents work. This is one of the reasons online learning has not been accepted in the community. When parents understand that the Corona Virus is dangerous and there is no cure, and also parents understand that children's education is a shared responsibility and not

just the responsibility of the teacher. So that parents are really active and accompany their children. Then online learning can be carried out optimally

4.1.4 Loss of Emotional Touch in Teaching

The role and true figure of a teacher is not easily replaced by online applications. If a student need only to understand and know science, then it could be that the information provided through sophisticated media is more than sufficient. However, if it is hoped that the formation of characters for students, then the complete figure of a teacher as a role model cannot be replaced by anything, especially applications in electronic machines. Although inferior to machines and their own students, exemplary attitudes and their derivatives, such as: empathy, compassion, caring, and other praiseworthy traits will not be obtained from the various applications created by humans. The glory of the teaching profession can also be seen from its skill in transferring its knowledge to students without any strings attached. The various kinds of professions that exist such as; police, doctors, engineers, businessmen, including the president are the effect of the cold hand of a teacher. Even the council members entrusted by the people as regulators about teachers also come from the intelligence of teachers who educated them in the past. This touch is what missing in electronic learning.

4.1.5 Teacher's Understanding of Electronic Learning

Many teachers do not really understand the concept of electronic learning, so what happens is not "online learning" but "online assignments". Teaching material must still be delivered according to what application will be used.

4.2. Solution

The geographical conditions in Indonesia which are so large and have a wide variety of areas are still a common problem in matters of technology application. The government has provided a solution. Some local governments make policies by providing smartphone devices to underprivileged students even though they are not evenly distributed or insufficient.

In accommodating the limited abilities of students using learning tools, especially students in low grades. Schools need to determine the right application. It is impossible to use a Learning Management System based application for low-level students, for example using Microsoft Teams which the application has some fitur such as; video conference, online chat, online forums, and online assignments

which are all integrated with each other. We can use a simple application, for example by using a messenger application such as Whatsapp Messenger.

In accommodating the problem of parental assistance, teachers need to be given a deeper understanding that in addition to provide the learning to parents, they must also communicate continuously so that parents are aware that their responsibilities have changed during this pandemic. That they should be more actively involved in helping accompany children in studying, especially low grade students.

Talking about the emotional touch lost due to online learning, teachers must communicate more intensively with students. Although, it must be done by telephone or video call. This is also part of the problem of most teachers who do not understand the concept of electronic learning. Teachers must understand electronic learning is same with conventional learning, only the meeting media are replaced. The teacher also has to explain the material and the teacher also has to provide a solution to the problem. It's not just changing to online assignments. This may work for students in University but not for students at lower levels of education

From discussion above, we must determine what techniques and platforms can be used for online learning according to the level of education. Students at low education levels such as elementary schools need special attention because their access and technical abilities in using the application. The home visit school method is most appropriate to use that happened so far in several cities. Students continue to have face-to-face meetings with a limited amount and time.

For students at the junior high school level, they experience a transitional period. The teacher can combine the home visit method with the application of a simple video conference. For students at the high school level, they begin to be skilled in using electronic devices and require less emotional touch in learning activities. Then the teacher can combine the applications used. Video conferencing, "Learning Management System" applications such as Google Classroom can be applied here. However, the teacher can still provide the material through video conferencing or by making learning videos on Youtube.

For students at the college level, the techniques used are different. Students at the University tend to need to be more active so that assignments can be used

more at this level. The choice of applications that can be used is more varied, especially the "Learning Management System" application.

5. Conclusions and suggestions

In the application of electronic learning which has been running for approximately 9 months, many problems have been encountered. Problems come from the students' side, the teacher's side and the inaccurate technical side. The techniques used for students at one level of education are completely different from those of students at another level of education. The approach of communication and application used must adapt to these students. In determining the techniques used, we need to separate how online learning is applied according to the characteristics for students in elementary schools, junior high schools, senior high schools and colleges. Thus, we can determine the application used.

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