

Effectiveness of Online-Based Learning Via Quizizz During the Covid-19 Pandemic

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ABSTRACT

The Covid-19 pandemic requires the Indonesian government to adopt a home-study system policy. This policy is accompanied by instructions for implementing online or remote learning. To facilitate online learning, relevant media are needed, one of which is the Quizizz application media which has educational value so that students can learn innovatively to facilitate the learning process. This research is a quantitative descriptive study aimed at analyzing the effectiveness of online-based learning and the use of Quizizz learning media in English subjects during the covid-19 pandemic. The data collection instrument used an online questionnaire via a google form. The research sample is the X grade students of SMAN 5 Bengkulu Tengah as many as 60 respondents who were selected by simple random sampling technique. The results showed that students' responses to online learning activities were in a good category, while students' responses to Quizizz media were very good. The problem for most students is the limited internet quota and signal problems in the area where students live. Then it was concluded that the online learning system during the Covid-19 pandemic was the most helpful medium for students to achieve learning goals and the quizizz media was effectively used in the online learning process.

Kata Kunci: *Online Learning, Quizizz, online questionnaire, Covid-19*

INTRODUCTION

The various negative impacts of the COVID-19 pandemic caused the economy in Indonesia to decline, the rupiah exchange rate dropped, and the prices of goods rose, especially medical equipment. Extreme countermeasures such as the Lockdown of an area and even a country are carried out to minimize the spread of the disease (Zahrotunni'mah, 2020). The impact of the pandemic on the economy, society, security, and politics affects psychological conditions and changes in behavior that are broader in nature over a longer period (Syafrizal, et al., 2020). These behavioral changes include healthy living behavior, behavior using technology, behavior in education, behavior using social media, consumptive behavior, work behavior, and socio-religious behavior. People's behavior during the pandemic has changed, including work from home, virtual mode, transport mode choice, to control access.

The use of technology that was previously more as a support for secondary work, or even just a recreational need, has turned into a primary work facility. This also has an impact on the education system in Indonesia. For example, in the education sector, teachers and students will be accustomed to

interacting with online-based learning or distance learning. This also applies to students of SMAN 5 Bengkulu Tengah, Bengkulu Province.

Online-based learning is a learning process that is carried out remotely through the use of various media. Distance learning is characterized by the difference in space between students and teachers (Bilfaqih & Qomarudin, 2015). This learning utilizes various variations of media and technology to deliver material to students, thus allowing to minimize the space limit between teachers and students (Susanti, et al, 2018). Moreover, e-learning is a medium that uses the internet to convey the information and enhance the knowledge of the user in learning (Apriani, et al., 2021). Several learning methods can be used in online learning. One of these learning methods in e-learning. E-learning-based learning and electronic learning networks or e-learning have started in the 1970s (Waller & Wilson, 2012) which globally the concept of computer-based and network-based learning is often interpreted as e-learning. It serves the teaching and learning process and evaluation of computer-based learning, even in the 4.0 industrial revolution that uses Android more.

One of the e-learning-based learning evaluation media is using quizizz. Quizizz learning evaluation media also provides data and statistics about student performance, and you can even download these statistics in the form of an Excel spreadsheet. Teachers can track the number of student answers. The use of quizizz helps the teacher in conducting evaluations without being limited by place, an attractive appearance, and the time setting that is arranged to guide students' concentration.

The use of Quizizz media has proven to be effective, in line with several studies that have been conducted, among others, by Noor (2020) that the use of Quizizz learning evaluation media can improve student learning concentration. Another study conducted by Wihartanti, et al., (2019) also concluded that there were significant differences between classes using smartphone-based Quizizz applications compared to classes using conventional models in the learning process. Learning by using the Quizizz application is also able to grow critical thinking skills. Similar research was also conducted by (Isratul, 2019), which concluded that the application of quizizz could increase student activity in answering questions given by the teacher and concentrate more on the topic. The results of the questionnaire also showed that students displayed the attitude of the quiz position as a teaching aid and online assessment during the learning process.

The purpose of this study was to analyze the effectiveness of online-based learning and the use of Quizizz learning media in English subjects during the covid-19 pandemic.

RESEARCH METHODOLOGY

This study is a quantitative descriptive study to analyze the effectiveness of online-based learning and the use of Quizizz learning media in English subjects. Data collection instruments using online questionnaires were given to students via a google form. The questionnaire used is a closed questionnaire using the Likert scale survey method, namely a questionnaire containing questions accompanied by alternative answers in the form of agreeing or disagree, satisfied or dissatisfied, opinions, or attitudes towards a phenomenon. The questions that have been prepared are those related to online learning carried out during the Covid 19 pandemic.

This research was prepared in January and was carried out from February to March 2021. The research population was all students of SMAN 5 Bengkulu Tengah during online learning. The sample of the research respondents was 60 respondents or students of class X IPA SMAN 5 Bengkulu Tengah which consisted of two classes (X IPA 1 and X IPA 2), which were taught English subjects online and using the Quizizz application. The sample was selected by using a purposive sampling technique of the type of simple random sampling. This sampling is done for a specific purpose.

FINDINGS AND DISCUSSION

FINDINGS

Analysis of students' perceptions of learning English online and the use of Quizizz media as a learning evaluation for 60 respondents in class X SMAN 5 Bengkulu Tengah can be seen in Table 1, each question has 4 alternative answers, namely SS (Strongly Agree), S (Agree), TS (Disagree), STS (Strongly Disagree).

Table 1. Analysis of students' perceptions of online learning and Quizizz

No.	Statement	SA	A	D	SD
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A. My response to online learning activities during the Covid-19 pandemic					
1	The material provided through online learning is very interesting for me and easy to understand	23,4%	60,9 %	15,6%	0
2	I always focus on learning from the teacher even though it's online	40,6%	57,8 %	1,6%	0
3	I have to work hard to succeed in online learning, even though the internet network at my house is difficult	35,9%	56,3 %	6,3%	1,60%
4	I always have an internet quota that is used specifically for online learning	6,3%	39,1 %	48,4%	6,30%
5	I use various media learning sites for online learning which helped me during the Covid-19 pandemic	29,7%	62,5 %	7,8%	0
6	After reading the introductory information online, I believe that I know what I need to learn from the lessons provided	20,3%	71,9 %	77,8%	0
7	The tasks given to me online are very easy for me to do	12,5%	62,5 %	21,9%	3,10%
8	I am very excited and always prepare books before online learning starts	45,3%	53,1 %	1,6%	0
9	When there are things that are not clear, I try to find the answer first, then I ask the teacher	45,3%	51,6 %	3,1%	0
B. My response to the evaluation of studying on Quizizz					
10	I'm always excited when I take quizzes on Quizizz	29,7%	62,5 %	6,3%	1,60%
11	I always take quizzes on Quizizz on time because the internet signal at my house is good	20,3%	48,4 %	28,1%	3,10%
12	I don't see how the content of the lesson with the quizzes on Quizizz	15,9%	46%	38,1%	0
13	The first time I took a quiz on Quizizz, I believed that I was doing it independently without any problems	33,3%	57,1 %	9,5%	0
14	When learning online, I like to open websites that catch my attention	30,2%	47,6 %	19%	3,20%
15	I don't concentrate when learning online, because I'm tired of staring at the Laptop/HP screen	39,1%	43,8 %	17,2%	0
Total		427,8 %	821,1 %	302,3%	18,90 %
Average Response A		28,81 %	57,3 %	20,46%	1,22%
Average Response B		28,08 %	50,9 %	19,7%	1,32%

The graph of the analysis of the effectiveness of online learning and the use of Quizizz in learning English during the Covid-19 pandemic is presented in Figure 1.

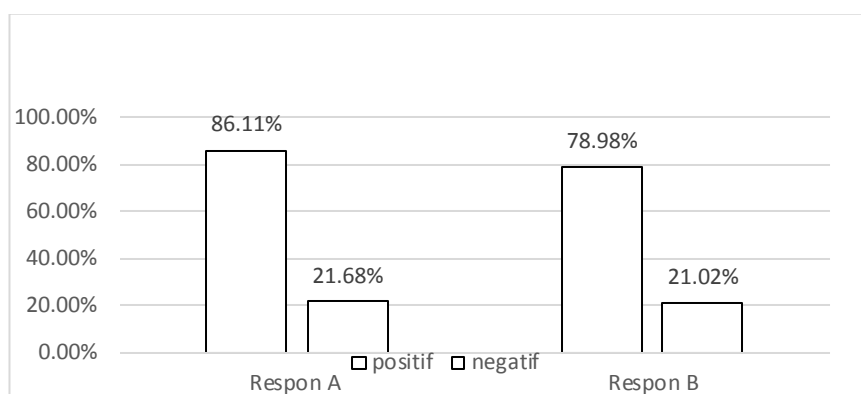


Figure 1. Graph of student responses to online learning (A) and Quizizz (B)

DISCUSSION

Since the determination of students to study from home by the Bengkulu City government on Monday, March 16, 2020, due to the Covid-19 Pandemic, there has been a massive change in learning patterns in the world of education. The government decided to apply the online learning method. The online learning system is a learning system without face-to-face directly between teachers and students but is carried out online using the internet network. Teachers must ensure that teaching and learning activities continue, even though students are at home. The solution, teachers are required to be able to design learning media as an innovation by utilizing online media (online). The learning system is implemented through a personal computer (PC) or laptop connected to an internet network connection. Thus, the teacher can ensure that students take part in learning at the same time, even though in different places. This is per the direction of the Minister of Education and Culture of the Republic of Indonesia regarding Circular Letter Number 4 of 2020 concerning the Implementation of Educational Policies in the Emergency Period for the Spread of Corona Virus Disease (COVID-19) (Harmani, 2020).

One of the uses of online media is Quizizz, which is used as a learning evaluation during the implementation of learning from home to see the achievement of student learning goals. The achievement of learning objectives can be assessed by the effectiveness of online learning as seen from student activities during learning, mastery of concepts, learning independence, and preparation for learning. According to Rohmawati (2015), the effectiveness of learning is one measure of the success of an interaction process between students and between students and teachers or educators in educational situations to achieve learning objectives.

Furthermore, a survey was conducted to analyze the effectiveness of online learning through a student response questionnaire of 60 students online via a google form. Student responses to online learning activities during the Covid-19 pandemic had a good or positive response with a percentage, while student responses to Quizizz media as an evaluation of student learning also received varied responses.

Students' interest in learning and curiosity in online learning is included in the high category. This shows the independence, curiosity, and interest of students to take online learning very well. This is supported by research conducted by Ru'iyah, et al., (2020) which concludes that student interest in learning through online media has increased significantly during the pandemic. Students prepare a conducive learning environment before online learning begins such as books, stationery, use online media platforms to help study and focus when learning begins.

The use of online media in online learning allows students to have a high enthusiasm for learning and doing assignments. A supportive learning environment can generate a conducive learning atmosphere. This can be seen by the large percentage of categories that strongly agree and agree on the items in the questionnaire. Despite many obstacles, students still try and can complete the given task with a certain target. Along with the implementation of the stay-at-home policy, with all its limitations, it certainly cannot fulfill the entire learning device. Therefore, the target and time for achieving the learning objectives are given proportionally according to the student's condition. Likewise, the student learning experience independently is a way of learning with the teacher providing teaching materials to students even though it is difficult for students. However, teachers continue to anticipate and innovate so that students' learning rights are still fulfilled even if not face-

to-face. Assignments to students can also be in the form of increasing the power of creativity that is integrated into everyday life.

In addition, student responses also indicate that there are several obstacles to online learning, including internet quotas that are specifically intended for online learning. Although there has been free quota assistance from the Government, it is still limited. Another obstacle is the weak signal in certain areas where students live. This is because most of the students live in rural areas. The next obstacle is that not all students have cellphones because their parents' economy is limited so they can't afford them. This is in line with research conducted by Anugrahana (2020) that there are obstacles in online learning, including unstable signals in each region in Indonesia, so that certain areas such as rural areas still have weak internet signals.

Furthermore, the student's motivation towards the Quizizz learning evaluation was very good. Quiz work on time and independently with a good weighting percentage score. This shows that Quizizz is effectively used to view student learning outcomes online. Where each question can be given pictures, diagrams, and various forms of quizzes that attract students to solve them. This is per the research results of Salsabila, et al (2020) that the Quizizz application media is very effective in being used in the learning process.

During the stay at home, students spend a lot of time doing school assignments and online learning, when bored, sometimes open games, chat, or other social media. The high intensity of gadgets has become a physical complaint about some students. Some students feel that their eyes are tired and are easily myopic when staring at the monitor screen for too long, eye irritation, even headaches, and nausea. This new experience in the world of education during Covid-19 was felt by students because they were given the time and freedom to choose the right moment in learning based on their needs. This of course requires high self-discipline, therefore teachers and parents are very effective collaborations to support the success of children to continue to remind the completion of learning targets.

CONCLUSION AND SUGGESTION

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Based on the results of the study, it was concluded that the online learning system during the Covid-19 pandemic was the most helpful medium for students to achieve learning goals and the quizizz media was effectively used in the online learning process. However, there are several obstacles, including most of the students there are limited internet quotas and signal problems in the area where students live.

SUGGESTION

Based on the conclusions, it is recommended for teachers, students, and parents to work together in forming a learning environment to achieve a conducive learning situation and achieve learning goals during the Covid-19 era. Then, teachers are expected to be more creative and innovative in dealing with online learning by using various media, one of which is quizizz media. For further research, several questionnaire items can be developed to re-analyze the effectiveness of learning during online learning.

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