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THE EFFECTIVENESS OF USING QUIZIZZ WEBSITE AS AN ONLINE LEARNING EVALUATION AT SEVENTH GRADE STUDENTS IN JUNIOR HIGH SCHOOL YOS SUDARSO PADANG

EFEKTIVITAS PENGGUNAAN WEBSITE QUIZIZZ SEBAGAI EVALUASI PEMBELAJARAN ONLINE PADA SISWA KELAS TUJUH SMP YOS SUDARSO

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Abstract

This study aims to determine the effectiveness of using the Quizizz Website as an evaluation in online learning at SMP Yos Sudarso Padang class VII. This research is a pre-experimental research using a quantitative design. The data source of this research is the seventh grade students of SMP Yos Sudarso Padang who are taking English subjects. The sampling technique was non-probability sampling which consisted of 1 class with 22 students. The data source of this research is an objective test using the Quizizz Website. The researcher conducted an analysis using a paired T-Test using SPSS 24. From the analysis data, the value of .Sig. (2-tailed) is $0.000 < 0.05$, and the T-count value is $5.294 > T \text{ table } 2.080$. So it can be concluded that there is an effect of using the Quizizz Website as an evaluation in online learning.

Keywords: Quizizz website, Online learning, Evaluation

Abstrak

Penelitian ini bertujuan untuk mengetahui efektivitas dari penggunaan Quizizz Website sebagai evaluasi dalam pembelajaran online di SMP Yos Sudarso Padang kelas VII. Penelitian ini merupakan penelitian pre-eksperimental dengan menggunakan desain kuantitatif. Sumber data dari penelitian ini yaitu siswa kelas VII SMP Yos Sudarso Padang yang mengikuti mata pelajaran Bahasa Inggris. Teknik pengambilan

sampel adalah non-probability sampling yang terdiri dari 1 kelas dengan jumlah siswa 22 orang. Sumber data dari penelitian ini yaitu test objektif yang menggunakan Quizizz Website. Peneliti melakukan analisis menggunakan uji T-Test berpasangan dengan menggunakan SPSS 24. Dari data analisis diperoleh nilai .Sig. (2-tailed) adalah sebesar $0.000 < 0,05$, dan nilai T -hitung $5.294 > T$ tabel 2.080 . Sehingga dapat disimpulkan bahwa terdapat pengaruh penggunaan Quizizz Website sebagai evaluasi dalam pembelajaran online.

Kata kunci: *Quizizz website, Online learning, Evaluation*

1. INTRODUCTION

In the recent years, the world was being shocked by the COVID-19 pandemic. This pandemic has an impact in many aspects of life even education. Pandemic where all activities and routine that were usually carried out in schools then required to carry out through distance learning (Nguyen, 2015). Therefore teachers rely heavily on technology as a tool for online learning media is by doing online learning. Online learning requires teachers to create creative and fun activities in order to foster student interest in learning at home (Rahayu & Wirza, 2020). Due to the nature of online education, teachers are unable to personally administer assessments to their students. As a result, they are responsible for providing their pupils with evaluations that are reliable and accurate. We are all aware that online learning is solely reliant on communication through a variety of media, such as smartphones or computers located in the homes of the students. As a result, it is essential for there to be a teacher involved in online learning who is experienced in fostering student growth. According to the findings of an initial interview with a teacher who teaches English at Junio High School Yos Sudarso Padang grade VII, it is very difficult for teachers to properly teach their students. This information was obtained from the teacher. When pupils are in different locations, it can be challenging for teachers to maintain their effectiveness as educators. Teachers may have a tough time successfully boosting students' awareness of the necessity to learn more because they are unable to exercise direct control over the activities that students engage in when studying online. In addition, children are less motivated to do their assignments in a timely manner than adults are. It might be difficult for teachers to judge the results of student activities when corrections are made using technology such as cellphones or computers rather than being done directly on the student answer sheets written on paper in the past. This occurs as a result of the fact that the technology makes it more difficult to evaluate the findings. As a consequence of this, educators need to be able to design innovations in online learning that not only inspire students to acquire new knowledge but also make it less difficult for educators to facilitate instruction in an atmosphere in which students continue to acquire knowledge.

Quizizz Website is one of the programs that is helpful in assisting in the teaching of as well as evaluating the process of learning a foreign language. It is one of the programs that is helpful in evaluating the process of learning a foreign language. This webpage is an example of one of the useful programs that are available. One of the digital games that may be accessed is called Quizizz, and it is a fun and engaging activity for multiple players that can be used in the classroom. On their website, you will find a playable version. It provides the possibility for all of your students to practice together using a computer, iPad, tablet, or smartphone, and it also contains apps that students may utilize on iOS, Android, and Chrome devices (Yan mei, Yan Ju, & Adam, 2019). It is possible to say that making use of Quizizz can make students feel more engaged in the process

of learning as a result of the fact that they are able to carry out exercises in a creative manner, as well as the fact that they are able to view questions and click their answer directly. Both of these features make it possible for students to view questions and click their answer directly. Students are given the ability to view questions and directly click on an answer thanks to the combination of these two capabilities. Because of the combination of these two features, students have the option to view questions and then immediately click on an answer to proceed to the next question. After that, a meme that tells them their score will be sent to them; this will happen regardless of whether or not they supplied the correct answer to the problem. In addition, you are free to put on some headphones at any point during your workout and listen to some music while you are working out, if that is something that interests you.

They also have the choice to complete the educational activities at their own pace and at whichever times, days, and times of the week they like, whenever they choose, whenever they choose, and whenever they choose. because the task can be completed utilizing a mobile device, more specifically a smartphone in most cases. Students at Yos Sudarso Padang Junior High School who are in the seventh grade and are taking English classes have access to the website Quizizz, which gives them the opportunity to assess themselves based on the activities they have finished as part of their online education. The students of Yos Sudarso Padang Junior High School who are currently engaged in English language studies will find this to be of great assistance to them. The students have come to the conclusion that the experience of using Quizizz to test and evaluate their knowledge is more intriguing and engaging than using any other method. As a result, they have made the decision to utilize Quizizz rather than any other method. When they make use of a user interface that is both more creative and more aesthetically stunning, the time that they spend learning online is changed into an experience for them that is one that is more joyful. When used as a teaching tool within the framework of online education, Quizizz makes it much simpler for teachers to offer evaluations and analyze the development of their students. This is one of the many benefits of online education.

2. METHODS

This study uses a quantitative research as the research design conducted pre-experimental research, with design one group pre-test post-test design. This study refers to (Sugiyono, 2012).

Table 1. Research design

Treatment class	O1	X	O2
Information :			
O1 : Pretest			
O2 : Posttest			
X : Quizizz website			

The population in this research that students grade VII at Junior High School Yos Sudarso Padang. The researcher used non probability sampling which consist one class with amount 22 students. The instrument used was a test in multiple choice test that is used in the pretest and posttest. The data for pre-test, there are two essential elements that should be considered, they are validity and reliability. According to (Gay, E.Mills, & Peter, 2012) without validity the desired interpretation of the variables measured have inappropriate meaning. The researcher used formula :

$$r_{pbi} = \frac{M_p - M_t}{SD_t} \sqrt{\frac{p}{q}}$$

Information :

r_{pbi} = Biserial point correlation coefficient which symbolizes the strength of the correlation between variable I and variable II

M_p = The average score owned by the testee, which for the item in question has been answered correctly

M_t = Mean score of total score

SD_t = Standard deviation of the total score

P = The proportion of testees who answered correctly to the items being tested
item validity

q = The proportion of testees who answered incorrectly to the items being tested item validity

Then, the researcher found the Validity of the test, there are 35 questions in try out test, the researcher got 15 invalid questions from 35 questions after the validity test was carried out. Then, the researcher revised the question into 30 questions after being validated by the validator. So, that the researcher used 30 questions for the pre-test and post-test.

Then, the researcher found the reliability of the test, with the criterion of reliability test according to (Arikunto, 2010) :

Table 2. Criterion of reliability

Coefficient of reliability	Criterion
$0,80 \leq r_{11} \leq 1,00$	Very High Reliability
$0,60 \leq r_{11} \leq 0,80$	High Reliability
$0,40 \leq r_{11} \leq 0,60$	Enough Reliability
$0,20 \leq r_{11} \leq 0,40$	Low Reliability
$0,00 \leq r_{11} \leq 0,20$	Very Low Reliability

After got the data of try out, the researcher found out the reliability of the test itself where the researcher found **0,91** reability of try out class . It can be said that the try out class was Very

High Reliability. Based on criterion of reliability by (Arikunto, 2010) $0,80 \leq r_{11} \leq 1,00$ the criterion was Very High Reliability.

After that, the researcher gave pretest to Junior High School Yos Sudarso with the same test. Then, the researcher gave treatment to experiment class with using Quizizz Website in six meetings. And then, the researcher gave posttest using Quizizz website with the same topic in the posttest to the students at the end of the meeting in order to get the data of post-test. Then, The researcher used formula “*the paired sample t-test with using SPSS 24*”. t-test aimed to determine whether there is a difference in the average of two samples that are paired.

3. RESULTS AND DISCUSSION

The researcher classified student’s pre-test and post-test results in microsoft excel 2013. Then, the researcher input the data used SPSS 24.

Table 3. Paired samples statistics

		Paired Samples Statistics			
		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pre-test	65.64	22	22.283	4.751
	Post-test	85.05	22	9.404	2.005

The researcher found that the mean of pre-test was 65.64 meanwhile the mean of post-test class was 85.05 with 22 sampel. The average score of students when pre-test lower than post-test, which can be said that there is an effect from using Quizizz Website. For the std. Deviation of pre-test was 22.283 and std. Deviation of post-test was 9.404. After that the std. Error mean of pre-test was 4.751 and the std. Error mean of post test was 2.005

Because the mean of pre-test $65.64 < \text{post-test } 85.05$, then, that means descriptively there is a difference in the average learning outcomes between the pre-test and the post-test results. Furthermore, to prove the difference was significant, the researcher interpreted the result of the paired sample t-test in the output table “Paired Samples Test” as below :

Table 4. Paired sample t-test

Paired Samples Test									
Paired Differences				95% Confidence Interval			T	df	Sig. (2-
Mean	Std. Deviation	Std. Error	of the Difference						
Mean			Lower	Upper	tailed)				
Pre-posttest	-19.409	17.195	3.666	-27.033	-11.785	-5.294	21	000	

Based on “Paired Sample Test” above, the value of mean paired differences was -19.409 shows the difference between the mean pre-test learning outcomes and post-test learning outcomes

(65.64 - 85.05) = -19.409 and the differences between the mean was -27.033 to -5.294 (95 % Confidence Interval of The Difference Lower and Upper).

Based on the “Paired Sample Test” above, the t-table count was -5.294. The negative value of t-table caused the mean value of pre-test was lower than the mean of post-test. In the context of a case like this, a negative t-count can have a positive meaning. So, the value of t-count became 5.294

Next finding the t-table value, where the t-table was searched based on the df value (degree of freedom) and the significance value ($\alpha/2$). From the output above, there was known that the value of df was 21 and the value of $0.05/2$ is equal to 0.025. Thus, the value of t-table was 2.080. So, the value of t-test > t-table (5.294 > 2.080). Based on table t-test SPSS 24 was the value of Sig. (2-tailed) $0,000 < 0,05$. So, that H_0 is not accepted and H_1 is accepted. Then, it could be concluded the using Quizizz Website as an Online Learning Evaluation is effective. To be used as using Quizizz Website as an online learning evaluation at seventh grade students in Junior High School Yos Sudarso Padang.

4. CONCLUSION

Related with the data above, the researcher hypothesized that :

H_0 = Quizizz Website is not effective as an online learning evaluation at Seventh grade students in Junior High School Yos Sudarso Padang.

H_1 = Quizizz Website is effective as an online learning evaluation at Seventh grade students in Junior High School Yos Sudarso Padang.

The null hypothesis was rejected if the value of t obtain is less than value of t table. In addition, the null hypothesis was accepted if the value of t obtain is bigger than the value of t-table. Then, because the value of t obtain $5.294 > t$ table 2.080 it can be concluded that H_0 is rejected and H_1 is accepted. Based on testing, it can be said that Quizizz Website is effective to be used as online learning evaluation at Junior High School Yos Sudarso Padang grade VII. This can be happens because the treatment gave by the researcher.

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