

**CORRELATIONAL BETWEEN QUIZIZZ AS DIGITAL PLATFORM
FOR LEARNING ENGLISH TOWARDS READING ABILITY
(A Study at Eight Grade of SMP Negeri 11 Surakarta the Academic Year
2022/2023)**

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Abstract

The aimed of this research was to determine (1) Quizizz application in learning English of the eight grade SMP N 11 Surakarta, (2) to find out the students' reading ability of the eight grade of SMP N 11 Surakarta, and (3) to find out whether or not there is correlation of study between Quizizz and students' reading ability of students in graden 8 SMP Negeri 11 Surakarta in the Academic year 2022/2023. This researcher was conducted at the eight grade of SMP Negeri 11 Surakarta in the academic year 2022/2023. Researcher used quantitative methods with correlation techniques. The researcher give questionnaire to 30 participants in order to gather the data quizizz in learning reading English in a class. The questionnaire used consisted of 30 items. Then, to measure the ability reading students, this research used a reading test for students. In data analysis, students' questionnaires were measured using a Likert Scale, and reading tests were measured using Suharsimi Arikunto's categories reading achievement. The findings of this research indicate that there are positive about correlation of research between quizizz and students' reading English ability. It is proven by the results of calculation of $(r_{xy}) 0.615 > r_{table}$ in the significant table 5% (0.374) and 1% (0.478). Then, it can be concluded that the alternative hypothesis (H_a) is therefore deemed to be accepted and the null hypothesis (H_o) is rejected. Therefore, in this research it can be concluded that there is a positive the correlation of research between quizizz as digital platform and students' reading English ability. This means quizizz has higher impact, the better students' reading ability.

Keywords : Quizizz, Reading English Ability, Correlational Study

INTRODUCTION

Reading ability is one ability that should be a priority for all students because, by reading students can achieve a lot of information for themselves in learning English (Widiowati & Kurniasih, 2018). Moreover, to get new information for many aspects of ideas, reading is the best efficient way. The same statement by Ismail et al., (2017), all the students can be mastered in reading skill, because reading is one of receptive skill that can improve the students' language skill. However, students' challenging in reading, students can be active in learning English process which requires a best deal of skill and practice.

Besides, reading skill has a complex skill in learning English that can be a challenge and problem for a teacher and a student. A Teacher is often confused about choosing the best teaching technique, or media to overcome the students' problems in reading. By all these problem that teachers' face in reading English, thus as a teacher should have clear understanding about how to

implementating the best technique and media to the students that will not bore in learning process. Learning media is a tool software or hardware that used to support and achieve the goals in learning process. (Puspitarini & Hanif, 2019). Thus, this is very important and basic as a teacher that understand about using interacting media and interesting learning media in English classroom, because by using this type of learning media, it can be stimulates students' motivation in reading English. Then, students can easily understand and interest the material without feeling bore when learning process. By this innovation features in learning media, it can make the students can follows in learning English process. Therefore, to be a creative and innovative is a must as a teacher

And one of the e-learning tools that can help students' reading English ability is Quizizz. According to Ratnasari et al., (2019), several studies have found that using Quizizz as learning media, students are less monotonous because students interest when learning English using learning

media, it is different atmosphere when students learning English using book only, thus they have to be creative and innovative when using media in learning media especially Quizizz application for learning English. The main features of Quizizz is can play a big role in this study are timely feedback, review sections, repeat tests and follow new quizzes. Reading can be done from anywhere and practicing reading skills can also be from anywhere.

Fadhilawati (2021) mentions that Quizizz is educational application that based on a game as a main feature. Quizizz brings the best feature that can be used for students and teacher, especially for doing the English practice. By this, students feel fun and interactive to other students. Quizizz can push the students' responsibility in learning so they can know about what they learning. The learning process using this application can invite students to discuss, ask questions, give directions, express opinions, and convey information. Thus, students will be more open and confident,

especially before understanding the learning material; students must read and understand what is meant by the reading. According to Basuki and Hidayat, (2019), Quizizz Application is one of awesome application quiz that allows the teacher to see the students' development in reading English.

In addition, it is the same statement of Mr. Sr as a teacher of SMP Negeri 11 Surakarta, which is that the students of grade VIII have a lack of reading enthusiastic, and because of pandemic came. Mr. Suroto trying to give alternative learning media that make students' interest in learning English. We already know that when COVID-19 came, it was changed all the education rules. All the students and teachers are required to learn through technology. So that, Mr. Suroto chose Quizizz as a learning English media platform for learning English especialy to make students' enthusiastic about reading the material of English subject. And by this case, Quizizz is keep in use as a digital platform in learning English

especially to increase the students' enthusiasm in reading English ability.

RESEARCH METHOD

This research was held at SMP Negeri 11 Surakarta in the Academic Year of 2022/2023. It is on Jl. Sungai Serang I No.313, Semanggi, Kec. Pasar Kliwon, Kota Surakarta, Central Java. From December 2021 to July 2022, this research was carried out. The researcher presented the correlational research between quizizz and students' reading English ability in the eight grade of SMP Negeri 11 Surakarta in this research. This research is based on quantitative study. Thus, this research was conducted by the process of analyzing and collecting the data in numeric form. In this research was conducted to determine the correlation between two variables, Quizizz as the independent variable and the students' reading English ability as a dependent variable. Therefore, the used of descriptive quantitative research to described, explained, the situations, or various research variables according to events which could be photographed, observed, and which could be expressed through

documentary materials. As the data source, primary and secondary are used. The researcher employed a questionnaire and reading test to the students to collect the data.

The researcher used likert scale to measure the questionnaire especially for quizizz variable, and Suharsimi Arikunto's categories reading achievement to measure the students' reading ability for the second variable. To validate the instruments, the researcher used a validity test to know the items of instruments are valid or not. According to Zaenal Arifin (2012) Validity is a degree of accuracy of the instrument used to measure what is to be measured. And this research used SPSS 25 version to help calculated the validity test of questionnaire and reading test. In this research, the researcher measured the reliability test also. The reliability test using The Cronbach's Alpha formula by using SPSS 25 version.

To answer the research hypothesis that has been formulated, if there is a significant correlation between quizizz and students reading

ability in the eight grade of SMP Negeri 11 Surakarta, then the result data research from questionnaire and reading test were processed by the following steps:

- 1) To answer the first problem of the research, Quizizz as digital platform for learning English is using percentage of categories of questionnaire. To find out the result, the researcher is using SPSS 25 version to measure the mean, median, maximum score, minimum score, and the average percentage score of the students' answer. And the result was analyzed by the percentage formula according to Riduwan (2003):

INTERVAL	CRITERIA
0	Very weak
21 – 40	Weak
41 – 60	Enough
	Strong
81 – 100	Very Strong

- 2) To answer the second problem of the research, students' reading English ability is using Suharsimi Arikunto's formula to measure the students' reading ability in the

eight grade of SMP Negeri 11 Surakarta:

$$S = \frac{R}{N} \times 100$$

- 3) To answer the third problem, which means this research is to find out the positive significant correlation between two variables, they are Quizizz as digital platform for learning English and reading English ability in the eight grade of SMP Negeri 11 Surakarta. Thus, the data was analyzed by using Product Moment formula according to Suharsimi Arikunto's (2015:87):

$$r_{xy} = \frac{N \sum XY - (\sum X)(\sum Y)}{\sqrt{(N \sum X^2 - (\sum X)^2)(N \sum Y^2 - (\sum Y)^2)}}$$

RESULT AND DISCUSSION

The discussion based on the research findings is presented in this part. It is concerned about correlation between Quizizz as digital platform for learning English towards reading ability in the eight grade of SMP Negeri 11 Surakarta. Three problems formulated by the researcher. It is concerned with of how the implementing Quizizz in a

English classroom towards students' reading ability may be used to teach asking and offering help material and the activity can be done while using Quizizz to teach reading English.

Result

1. Quizizz as digital platform for Learning English in the Eight Grade of SMP N 11 Surakarta.

The research instrument which is used in collecting the data was Quizizz Application (variable X) in teaching learning English questionnaire. The questionnaires based on indicators of using Quizizz and reading ability in learning teaching English and they consist of 30 items, and the item has five options on scale from 1 to 5, with 1 (strongly disagree), 2 (disagree), 3 (neutral), 4 (agree), 5 (strongly agree), the researcher adopted the instrument in intrinsic and extrinsic from interview with English teacher, to find out relation students' reading ability by using Quizizz in learning English

Table 4.1 Categories of Questionnaire

INTERVAL	CRITERIA
0	Very weak
21 – 40	Weak
41 – 60	Enough
61 – 80	Strong
81 – 100	Very Strong

(Riduwan, 2003)

Table 4.2 The Result of Questionnaire Quizizz

Total Score	107 – 140
Maximum score	150
Average Percentage	84,4

2. Students' Reading Ability of the Eight Grade of SMP N 11 Surakarta.

Measuring the level of students' reading ability (variable Y) through reading ability test using Quizizz to 30 students of Eight Grade Students at SMP Negeri 11 Surakarta. This test consists of 20 questions that has been passed by several process in validity test. This process got the result about the data by using Ms. Excel 2019. the questions have been passed reability process by

using SPSS 25 that to find out this test and questions is appropriate to this grade.

After doing several processes, in the end the researcher got the result of reading ability tests that have been tested at Eight grade students at SMP Negeri 11 Surakarta. The researcher showed the result by this data below:

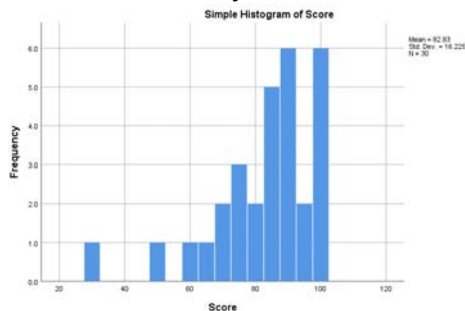


Figure 4.1 Graphic of result of reading ability scores

Based on figure 4.1, it could be seen that from 30 students, only one student got score 30 and 45, one student got score 60 and 65, two students got score 70, three students got score 75, two students got score 80, five students got score 85, six students got score 90, two students got score 95, and six students got excellent score 100.

For statistic result of reading test in the eight grade, it can be seen:

Table 4.3 The Result of Reading Test in a Class

N	30
Mean	82,83
Median	85
Mode	100
Variance	254,47
Standart Dev	15,95
Minimum	30
Maximum	100

Depends on the Table above, it could be shown that N of reading ability test in eight grade of SMP Negeri 11 Surakarta especially a random sample of class VII A, B, C was 30 students, mean of was 82.83, median was 85, mode was 100, standart deviation was 15.95, variance was 254.47, minimum was 30, and maximum was 100. It showed that students' reading ability by using Quizizz Application as digital media for learning English as a treatment.

3. There is a significant correlation between Quizizz as Digital Platform in learning English towards Reading ability of the eight grade of SMP Negeri 11 Surakarta

After the research got the two data and processed them in previous explanation, the next step was taken by the researcher to determine whether the two data Quizizz as Digital Platform (Variable X) and Reading Ability (Variable Y) there was in relationship or not. Thus, this research was correlated with Pearson's Product Moment Formula.

By following the steps:

- a. Product Moment Correlation Result

The result of correlation analysis by Pearson Product Moment to the variable X (Quizizz as Digital Media) and Y (Reading Ability) are shown in the following table:

Table 4.4 Output of Product Moment Correlation

		Correlations	
		Reading Test	Quizizz
Reading Test	Pearson Correlation	1	.615**
	Sig. (2-tailed)		.000
	N	30	30
Quizizz	Pearson Correlation	.615**	1
	Sig. (2-tailed)	.000	
	N	30	30

** . Correlation is significant at the 0.01 level (2-tailed).

Depends on the output of Product Moment Formula using SPSS 25 Version, it can be concluded as follows:

First, depends on the significance grade of 0.000 smaller than 0.05 which means there is a significant correlation between independent and dependent variable.

Second, depends on the Pearson correlation coefficient of 0.615 which means there was quite strong correlation between variable X and variable Y. considered the table below:

Table 4.5 Interpretation of Product Moment Score

Coefficient of Correlation	Interpretation
0.00 – 0.20	The Correlation is Neglected
0.20 – 0.40	The Correlation is Weak
0.40 – 0.70	The Correlation is Quite Strong
0.70 – 0.90	The Correlation is Strong
0.90 – 100	The Correlation is Very Strong

The interpretation on Table 4.5 showed that the result of coefficients' correlation is 0.615. Which means, the coefficient correlation at level quite strong. So that, to found out the hypothesis would be rejected or accepted, researcher checked the significant's number. If the probably value ($0.005 < \text{Sig.}$) value then null hypothesis (H_0) accepted, on the other hand if the probability value ($0.05 > \text{Sig.}$) value then H_a accepted. In this research value ($0.05 > 0.000$), means that H_0 rejected and H_a accepted. In this case, there was a significant correlation between Quizizz as digital platform for learning English towards reading ability.

b. Hypothesis Result

To find out the the hypothesis accepted or rejected, the researcher measured the Normality test, such as:

To establish the result of hypothesis, the reseacher measures the obtained data by using Pearson's coefficient of correlation or -Product Moment, as follows:

- 1) Alternative hypothesis (H_a): there is a significance correlation between variable X and variable Y.
- 2) Null hypothesis (H_0): there is not significance correlation between variable X and variable Y.

Normality Test

Depends on the table below, it can be analyze the output of SPSS version 25 to the variable Quizizz as digital media and reading ability.

From the output of normality test, it could be described that correlation between the two studied variables was normal, because of the normality coefficient 0.115 and 0.184 are greater than 0.05 ($0.015 > 0.05$ and $0.184 > 0.05$) of the significant level. And the

normality test above used Shapiro-Wilk, because of the respondents of this research was only 30 students. Thus, the researcher used Shapiro-Wilk as reference significant.

Researcher used another formula to see the result of hypothesis by using Product Moment Table:

To find out the average of Standard Deviation of two variables, the researcher used the formula as follows:

$$r_{xy} = \frac{\sum xy}{\sqrt{(\sum x^2)(\sum y^2)}}$$

$$r_{xy} = \frac{308205}{\sqrt{(498045)(208750)}}$$

$$r_{xy} = \frac{308205}{\sqrt{103.966.893.750}}$$

$$r_{xy} = \frac{308205}{322438,98}$$

$$r_{xy} = 0.96$$

Thus, the result of average of Standard Deviation of two variables are 0.96.

To know the correlation of them in 5% and 1% significance, the researcher used r-table with df formula: $df = N - nr$ (see table in appendices

$$df = N - nr$$

$$= 30 - 2 = 28$$

Thus, it used 28, the nearest df of 30. ("r" value consultation table)

Based on the r-table, at the degree of significance of 5% = 0.374 and the degree of significance of 1% = 0.478.

Discussion

This section discussed about the finding of the research. The research was created at SMP Negeri 11 Surakarta, especially at the eighth grade of SMP Negeri 11 Surakarta by distributed questionnaires and reading test to the students. In this research, the researcher formulated 3 problem statements.

1. Quizizz as Digital Platform for learning English in the Eighth Grade of SMP Negeri 11 Surakarta.

The integration of technology becomes a necessity in education to meet the requirements of 21st century learning by using an online learning platform, one of which is Quizizz application for learning English for this era. MacNamara & Murphy (2017) stated, "Quizizz is an educational

application that applies the concept of gamification". Which means the colorful interface, avatars and music provide students a similar experience as a game does. Thus, the discussion above the researcher concluded that Quizizz is game based learning that provides a lot of features in there that makes learning process more interactive and interesting.

Depends on the questionnaires and reading test, it can be described that the eight grade students, especially the 30 respondents of students SMP Negeri 11 Surakarta that very interesting using Quizizz in learning English during learning and teaching process. And the students more active and more interacting when learning and teaching process do. And Quizizz is very helpful for students and teacher to interact and communicate each other when learning and teaching English in a classroom. Students and teacher are easier in learning English

than using handbook when learning English in a classroom.

2. Students' Reading Ability of the Eight Grade of SMP Negeri 11 Surakarta.

Reading Ability is priority skill that every students have to be mastered because, by reading students can gain a lot of information by themselves in learning (Widiowati & Kurniasih, 2018). This statement related to the research that concluded by Ismail et al., (2017), reading is receptive skill that students have to be essential in reading mastered because students can improve language skills in English and also in students' English vocabulary. Thus, as the researcher told before that the best way to get new ideas, information and experience that help to enrich the student's insight is reading English skill. However, reading can challenge the students in an active process which requires a great deal of practice and skill.

Depends on the questionnaires' result and

reading test, it can be concluded that the students' reading score of the eight grade of SMP Negeri 11 Surakarta especially for 30 respondents, the scores are quite good because when the researcher interviewed on the respondent, the respondents said that the respondent do the reading test seriously. So that, the respondent "M" got the higher score in reading test for asking and offering help material. And by the result of questionnaire, "M" concluded that very interesting and fun when learning English using Quizizz especially for reading English ability. "M" aware that learning English and increasing reading ability is a must and to be mastered.

3. There is a Significant Correlation between Quizizz as Digital Platform in Learning English towards Reading Ability of the Eight Grade of SMP Negeri 11 Surakarta.

Digital platform or digital media refer to audio, text, graphics, animation, and video which are very popular in this

era. Namaziandost and Nasri (2019) stated that in today's era educational fields all over the world are changing and obviously experiencing a revolution in revolving the technology which enable the students to generate content, exchange thoughts, and share knowledge. Moreover, digital media also play all over the world of education, especially in learning activities.

One of the digital learning platforms for learning English especially for reading ability, Quizizz is one of learning application to help the students and teacher in learning and teaching process for reading English ability.

Based on the result explanation above, the researcher concluded that using Quizizz application was effective in Reading English ability at SMP Negeri 11 Surakarta. It could be seen in the mean of English scores of the students. The mean score was 82.83. Based on the mean of questionnaire in

implementating quizizz at the Eight grade A, B, and C with percentage 84,4% answering agree.

After the researcher measured the score of students, it was known that 1 student got score 30 and 45, 1 student got score 60 and 65, 2 students got score 70, 3 students got score 75, 2 students got score 80, 5 students got score 85, 6 students got score 90, 2 students got score 95, and 6 students got score 100.

In summary, the researcher indicated that students' mean result of questionnaire of score quizizz in learning English at second grade of SMP Negeri 11 Surakarta in academic year 2022/2023 in rating quality of implementating quizizz in learning English by average percentage is 84,4%. Over all, the students' result in using quizizz on learning English SMP Negeri 11 Surakarta at second grade students' academic year 2022/2023 was very strong implementating during learning English.

Depends on the analyzing the data and testing the hypothesis, Normality test result and the average of Standard Deviation, null hypothesis (H_0) and alternative hypothesis (H_a) is accepted. Which means that the treatments had influence of implementating quizizz as digital platform in reading English Ability of Asking and Offering help material, so that H_a is accepted.

The previous research, the use of Quizizz application was had benefits and effective as a learning tool for students that could help them in learning English especially for Reading English ability. Deepak Jox Cheenaath stated that the purpose of the Quizizz application was to provide a foundation for developing children's knowledge and assesment of presentation called Quizizz. The advantages of using quizizz is can used as an alternative application for teachers to carry out the teaching and learning process in a classroom.

As a result of the findings, the researcher concluded that Quizizz has relation towards reading English ability in learning English and be able to help students better in learning English.

The main goal of using the Quizizz was so that students could continue to study easily in this technology era. Learning English is funnier and more interesting if using technology. Means that, students and teacher will understand more about digital platform in education and will not be ignorant in the future especially in education case.

CONCLUSION

1. Implementating Quizizz as Digital Platform for learning English in the eight grade of SMP Negeri 11 Surakarta with the material "Asking and offering help" works in learning and teaching process. Eight grade students at SMP Negeri 11 Surakarta do the exercise in quizizz application seriously. All the students are interest in using quizizz when learning English in a classroom. They can more active and fun during learning and teaching process especially in learning English.
2. Students' reading ability of the eight grade of SMP Negeri 11 Surakarta do the reading test seriously and it can be conclude that the use of quizizz can increase the students' interest in reading ability. It can be seen from the mean score of the reading test.
3. Depends on the result in previous chapter, the following conclusion the researcher concluded that the null hypothesis (H_0) rejected and the alternative hypothesis (H_a) accepted. It can be seen from the from the result of r_0 is 0.96 with degree of freedom (df) is 28. The result of t_{tabel} of degree of significance 5% = 0.374 and 1% = 0.478. Thus, $r_0 > r_t$ ($0.96 > 0.478 > 0.374$). The result means that Quizizz as digital platform in learning English on students' reading ability is positively correlated with their reading comprehension. The researcher infers that this

researcher answered the research questions is “Is there any significant correlation between Quizizz as digital platform for learning English towards reading ability at eight grade of SMP Negeri 11 Surakarta the academic year 2022/2023?” and the answer is there is a positive quite strong correlation between Quizizz Application towards students’ reading ability in learning English.

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