

Exploring the Perceptions of High School Students on the Use of Quizizz as a Scanning Reading Tool for Assessment

Muhammad Hilmi Muzaffar Ali¹
Universitas Muhammadiyah Gresik
Gresik, East Java, Indonesia

Slamet Asari²
Universitas Muhammadiyah Gresik
Gresik, East Java, Indonesia
hilmimuzaffar200403@umg.ac.id

Received: 1st January 2024

Accepted: 21th January 2024

Published: 20th February 2024

Abstract

One of the abilities that should come first is reading comprehension as it allows students to learn more on their own. Supported by developments over time, the existence of the internet and mobile devices has made humans more advanced in many things, one of which is reading. As mobile devices are today used as a natural means of communication and entertainment, they replace the traditional acquisition of knowledge and memorization of information. There are many recent discoveries in mobile technology such as applications and websites, quizizz is one of them. Quizizz is a quiz distribution application that is easy to use and understand by students. The research focus on measuring students' perceptions of Quizizz as an assessment tool, examining the extent to which Quizizz usage affects student perception in learning, and investigating its correlation with students' reading comprehension. This study uses a mix method. The participant consists of 35 students from 12 MIPA 3 with 15 male and 20 female. The data were collected through questionnaires and scanning reading question. The result of this study reveals that most students have positive perceptions regarding the usage of Quizizz as a teaching media and it is suggested to English teachers for using scanning technique in teaching reading, and also using Quizizz can improve reading comprehend skill of students better.

Keywords: Reading Comprehension; Student Perception; Quizizz; Scanning Reading

1. Introduction

Nowadays, reading skill is a skill that can be a priority because existing technological advances make us dominant in reading to get information. Widowati & Kurniasih (2018) stated from reading skill is one of the skills that should be the priority because from reading students can gain more information for themselves in learning. Further, Jasminka & Monika (2015) stated that mobile learning requires a certain level of technological knowledge, from that we know to be able to use mobile learning, people need to understand it. (Pernjek and Habjanec 2015).

According to Raja and Nagasubramani (2018), technology has positive effects on education, including collaborative learning, active learning in the classroom, creative learning, and evaluative learning. This is because technology can assist teachers in piqueing students' interest and encouraging cooperative learning, which makes the material they are taught easier to understand. Amidst these developments, the issue of assessing student abilities remains a major concern in high schools. Teachers and school administrators are looking for ways to measure students' abilities more effectively and efficiently.

As today's, mobile devices are used as a means of communication, they replace the traditional acquisition of knowledge and memorization of information so that they can be performed, trusted and used in the future with a skills acquisition model to access information that is continuously available on the Internet. One tool that is increasingly popular in the educational context is online learning platforms, such as Quizizz. Quizizz is a tool that allows teachers to



create online quizzes and tests that are accessible to their students. Features like question customization, automatic scoring, and a wide selection of questions have made Quizizz an interesting tool in education. The Quizizz application is one of the several great learning resources for in-class quiz games that enables the instructor to monitor students' progress in reading (Basuki and Hidayat 2019). With the help of the game-based educational software Quizizz, teachers may engage their students in multiplayer activities that make learning in the classroom engaging and enjoyable. (Fadhilawati 2021). (Degirmenci 2021) state Quizizz is an online quiz platform where students compete with one other to obtain the greatest score, which will indirectly increase student motivation in learning and competing. Zhao (2019) states that Quizizz is an educational tool that simulates a game. Among its many features are memes, themes, characters, and engaging music, which set it apart from other instructional apps (Zhao 2019), shows that Quizizz has many features that can make students interested in using it compared to the traditional system.

Difficulty in understanding reading is also a problem for teachers and students, therefore to overcome this, the researcher chose the scanning reading method to understand the content of the reading. Scanning reading is an important process for identifying students at risk for reading problems and providing them with appropriate interventions. Scanning reading can help identify students who may have difficulty reading or understanding text. This is important because reading difficulties can be a major obstacle in understanding subject matter in various subjects. According to Duke (2003), comprehension is the process by which readers engage with a text to make sense of it by combining information from the text with what they already know and have experienced, as well as their own opinions and past knowledge. However, although the potential use of Quizizz as an assessment tool seems promising, there are still several questions that need to be answered. What are students' perceptions of using quizizz? positive or negative? And what is the correlation in using Quizizz between students' perception and students reading comprehension?

(Quizizz)

Quizizz is one of the applications that is popular among teachers and students. The simple but accurate way to use it makes it a favorite of many people. From previous research from Zuhriyah and Partolo (2020) it can be concluded that Quizizz is proven to make students use Quizizz rather than the traditional system because it is effective and interesting (Zuhriyah and Partolo 2020). This research is also supported by research results from Gina D, Nawangsih C, Echoza F, and Nathasya S (2022) that quizizz has many positive impacts. This statement is supported by many articles used in this research (Gina Damayanti et al. 2022). Also from research conducted by A. Pertiwi (2022), apart from being liked by students, teachers also benefit from this application, one of which is that students will have difficulty cheating so that it can increase student motivation in learning (Pertiwi 2022).

From Sanjaya, Suprianti, Paramartha (2023) also using Quizizz in their article, but the gap is they using junior high school students for the subject. And they using qualitative research for the method. Stated that Assessment for learning is crucial to learning because it works most when it gathers precise data about the process of learning so that students may get precise feedback. (Sanjaya, Suprianti, and Paramartha 2023). Assessment is also important in learning to find out students' abilities, and is used as feedback so they can find out mistakes and make them learn from mistakes, and teachers can also find out students' mistakes so that they can confirm again in the next assessment whether the students' abilities have improved.

The gap between the three research above and this research is the same, namely that there is no evidence displayed and only uses the student's perspective as evidence without knowing the formula for processing the data. Also from the subject and the using method is different.

(Reading)

Reading is one of the skills that is often used. Very important for all daily activities. one of them is to get new information and learn to know new things. From R. Rahmanita, Ratmaningsih, & Juniarta (2021) that reading also can be said as a form of thought processing (Rahmanita, Ratminingsih, and Juniarta 2021). From this statement it can be seen that it is not only students who experience difficulties, teachers will also experience difficulty reading if they are not careful in reading. Therefore, the existence of technology will really help teachers and students in reading. Stated from Apsari, Rissa, & Nissa (2023) that reading is one of the most important skills to learn and to teach (Apsari, Rissa San Rizqiya, and Nissa Kamila Auliya 2023). Continuation of the previous statement, continuing from the previous statement, the more important it is to read, the more difficult it becomes.

Reading is an essential part of literacy, and it helps students become ready for the rise of digital literacy and the development of creative reading habits (Apsari et al. 2023). This statement proves that with advances in technology, the ability to read has become very important for humans, including teachers and students. Possessing reading ability allows someone to figure out the author's meaning from the content they have read (Oktaviana and Aminin 2021). With the emergence of mobile devices with touchable screens, most people use the ability to read, with this good ability it will make people quickly understand what they read, considering that almost 90% of mobile devices contain writing.

(Mobile Devices)

Mobile devices are used very frequently since the advent of the internet. Every day people use mobile devices as communication tools, information retrieval tools, and also tools to develop various things, one of which is learning. The

day has arrived to think about using mobile devices for education since everybody may now access the potential of portable computing (Goundar 2011). Having a statement like that proves that education already uses technology. Not only with mobile devices, there are various applications in it so people just have to choose what they study with.

The rapid growth of several mobile web devices, including mobile devices, has led to an expansion in the learning process (Thuy 2021), shows that mobile devices play an important role in learning. In particular, it makes it easier for teachers to switch from traditional methods and also motivates students to continue learning and improve their skills.

2. Method

(Research Design)

The objective of this study is to quantitatively and qualitatively evaluate the impact of Quizizz as a scanning tool for assessing high school students. The research will focus on measuring students' perceptions of Quizizz as an assessment tool, examining the extent to which Quizizz usage affects student perception in learning, and investigating its correlation with students' reading comprehension. The target population is high school students. For this study, a representative sample will be selected from SMAN 1 Kebomas. The sample will consist of 35 students from 12 MIPA 3 grade.

(Data Analyze)

The qualitative data collected through the questionnaire will be analyzed using statistical software (Google Form). Descriptive statistical analysis, including means, medians, and standard deviations, will be employed to summarize the survey data. The quantitative data also collected through test with 10 questions include of reading comprehension question in advanced from Deborah Phillips Longman Complete Course for The TOEFL Test (2001). Bivariate Pearson Correlation used to analyze the result of the test.

(Data Validation and Reliability)

The data from this research is taken from 35 students of SMAN 1 Kebomas with average age 17-18 years old and male female gender (15 male 20 female). This research using random sampling. Sample size determination is using only 35 students because it is amounting students of 1 class of 12 grade that ever taught with Quizizz. Questions related to student perception using quizizz for scanning reading. The questionnaires' validity is from journal article titled *Students' perceptions towards the use of Quizizz as a tool in improving reading skills* (2021) and the reading comprehension questions validity are from Deborah Phillips Longman Complete Course for The TOEFL Test (2001) and for reliability, the researcher using Cronbach's Alpha formula, with the result shown in table 1.

Table 1. The result of reliability test

Reliability Statistics	
Cronbach's Alpha	N of Items
,927	10

From the table above, it is shown that the Cronbach's Alpha result is 0,927. From Wiratna Sujerweni (2014) the questionnaire is said to be reliable if the Cronbach's Alpha value > 0.6 . So, from reliability test result is valid/reliable.

(Procedures)

The researcher will provide a Google Form link to a class of 30 people and provide a mutually agreed time (approximately 45 minutes). After answering the questions, students will be guided to submit answers and the results will immediately come out in the form of a Google spreadsheet. Descriptive statistic will use to analyze the data. The reasearcher using SPSS to conclude the data from the participants. Bivariate Pearson Correlation with Wilcoxon used to analyze the result of the reading comprehension test and then compared with perception test result.

3. Findings and Discussion

(Perspectives of Students Regarding Quizizz's Use as a Tool for the Scanning Reading Method)

In this study, researchers gave participants a questionnaire using Google Form consisting of 2 pages, the first page about 10 perception questions regarding the use of Quizizz. the second contains 10 reading comprehension questions, both of which have been tested for validity.

The results of perception research using Google Form are as follows:

(Sub title 2) (Capitalized first letter, Times New Romans, Bold, Italic, 120pt)

When you want to insert a table make sure that you also write the name of the table:

Table 2. The result of perceptions questionnaire

Descriptive Statistics

		Range	Minimum	Maximum	Sum	Mean	Std. Deviation
Total_X	35	30	10	40	648	18,51	6,400
Valid N (listwise)	35						

From table 2, the results of the data test using SPSS descriptive statistics, obtained the following results: The minimum result obtained from 35 subjects is 10, Maximum result is 40. Average 18.51. The standard deviation is 6.4. From the results above, it can be concluded that of the 35 participants, it appears that all of them have carried out learning activities at school using Quizizz.

Table 3. Frequencies of perceptions

No	Item	Strongly Agree	Agree	Disagree	Strongly Disagree
1	Quizizz is simple to use	21	9	4	1
2	I found that Quizizz helped me review the reading skills I have learned in online learning class	14	17	3	1
3	I discovered that Quizizz works well for increasing my participation in online English classes.	15	14	5	1
4	During online study, Quizizz attracts my interest in learning English. .	16	14	4	1
5	I may use Quizizz to increase my reading proficiency by modifying the speed when I read.	14	14	6	1
6	I can apply the scanning approach when I use Quizizz for reading exercises.	13	10	11	1
7	I try to guess the meaning of words or phrases that I've never been used to while utilizing Quizizz for reading practice.	8	16	9	1
8	During my reading exercises on Quizizz, I make an attempt to apply the knowledge of context I have acquired in class.	12	15	6	2
9	In my opinion the scanning technique is the most effective technique in reading skills.	10	18	6	1

From table 3 with the question number 1 concluded that out of 35 participants, 21 of them strongly agree that it is very easy to use. Shows that Quizizz's mechanism is very simple and easy to understand for students. Meanwhile the question number 2 shows that out of 35 participants, 17 participants agreed. shows that Quizizz helps participants practice reading and develop the reading skills they have learned. From table 3 with the question number 3 shows that out of 35 participants, 15 participants strongly agreed. shows that using Quizizz can make English courses in online learning more fun and advanced.

From table 3 with the question number 4 shows that out of 35 participants, 16 participants strongly agreed. shows that using Quizizz can make participants more interested in English courses during online learning. From table 3 with the question number 5 shows that out of 35 participants, 14 participants strongly agreed. shows that using Quizizz can improve participants' reading abilities by adjusting their reading speed, which means Quizizz is proven to improve their reading abilities.

From table 3 with the question number 6 shows that out of 35 participants, 13 participants strongly agreed. shows that using Quizizz can give participants the opportunity to use scanning reading techniques. From table 3 with the question 7 shows that out of 35 participants, 16 participants agreed. That means students can learn more words and phases from it. From table 3 with the question 8 shows that out of 35 participants, 15 participants agreed. shows that using Quizizz makes participants understand English sentences better and can be quickly implemented in everyday life. From table 3 with the question number 9 shows that out of 35 participants, 18 participants agreed. shows that the scanning technique is more popular with most participants than other reading techniques.

(Correlation Between Student Perceptions and Reading Comprehension)

Because this research is non-parametric research, researchers used the Wilcoxon formula to test the test results. and obtained the following results in the table 4.

Table 4. The correlation between student perceptions and reading comprehension

Test Statistics ^a	
	TOTAL_Y- TOTAL_X
Z	-5,163 ^b
Asymp. Sig. (2-tailed)	,000

a. Wilcoxon Signed Ranks Test
b. Based on positive ranks.

Based on the table above, it can be seen that Asymp.sig (2-Tailed) has a value of 0.000. So, it can be concluded that the hypothesis is accepted. This means that there is a correlation of the use of Quizizz and scanning reading between student perceptions and students' reading abilities.

The findings of this study depicts that there is a correlation between students' perception on using scanning reading techniques and reading comprehension. This further strengthens the statement from Casey (2003: 2), Students may get particular knowledge to obtain results from the questions in the test or assignment and save time by answering the questions in the text by using a scanning device, which locates details-specific questions that may be asked at the conclusion of the assignment. Of course, this makes many students use scanning techniques to read quickly, because of its efficiency and makes students quickly understand English reading. Also, from Baeta Bury (2007), Quizizz is an amiable online application that can be a formative assessment. The results of this research also strengthen this statement, that Quizizz is a tool that students like because it is simple, short and clear.(Asmara, Muhammad, and Almubarakah 2022)

Nadia (2018) conducted a study to look at how students in high school might improve their skills in reading comprehension by using the Quizizz program, especially with descriptive and narrative texts. Because Quizizz produces greater results than traditional methods, it may be used to improve reading skills. With this research proves that scanning reading allows students to understand descriptive and narrative texts easily and quickly. By making it easier to understand texts by scanning reading, and answering quiz questions easily, it has also been explained by Abidin (2017) that " Reading allows people to get or satisfy a variety of requirements, including knowledge, information, experience, abilities, and more.". Of course, the use of Quizizz needs to be done as often as possible and is expected to replace traditional methods to overcome problems faced by teachers. This is in line with what Kinay and Bağçeci (2016) also shown the efficacy of a genuine exam in enhancing pre-service teachers' capacity for problem-solving (Anjarsari and Febriani 2022). This research is also strengthened by previous research by Nanda (2018) shown that using Quizizz in the classroom greatly increased the reading proficiency of the students. (Roshdan et al. 2021). The better the students' reading comprehension skills, the researchers believe they will communicate more quickly in English, because in accordance with the statement that reads, "Reading comprehension is considered as one of the prominent English skills for learners" (Tatipang, Oroh, and Liando 2022). But of course, in order to achieve this goal, teachers must be able to implement it from the lower classes. and do it as often as possible. in accordance with the statement from (N. Pesa, S. Somers) that students comprehend the necessity of viewing reading as a process where they must apply the proper techniques. Students began using reading comprehension techniques more frequently after learning this (Pesa and Somers 2007). Researchers believe that technological advances can make learning easier. The impact of technology improvements on the reading process of students is one of the current issues. (Shen 2006). With Quizizz, researchers believe they can improve students' reading comprehension skills for the next few years.

4. Conclusion

The findings of this study showed that students tend to read quickly to save time, especially under time pressure such as quizzes, therefore they really need the use of scanning reading to analyze reading quickly and accurately. And this research also proves that students who read quickly using scanning reading are able to understand the reading better than students who don't use it, and answer questions well as a sign that they understand the content and questions given. Finally, the researcher found that learning through the scanning technique can make it easier for students to understand English texts because they can grasp the context or main ideas of the text without having to read it in its entirety. As a result, English teachers are advised to use the scanning technique when teaching reading, and using Quizizz can also help students' comprehension skills.

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