

# A SYSTEMATIC REVIEW : THE IMPACT OF QUIZIZZ-BASED ACTIVITIES ON STUDENTS' READING COMPREHENSION IN EFL LEARNERS.

\*<sup>1</sup>INDRA MAULANA INDRAMAUANAAJA9@GMAIL.COM

<sup>2</sup>GHUFRON MASDA PRATAMA GHUFRONMP1@GMAIL.COM

<sup>3</sup>IHKSAN ADRIANSYAH ADRIANSYAHIKHSAN3@GMAIL.COM

<sup>\*1</sup>UIN SULTAN THAHA SAIFUDDIN JAMBI, MENDALO, JAMBI, INDONESIA.

<sup>2</sup>UIN SULTAN THAHA SAIFUDDIN JAMBI, MENDALO, JAMBI, INDONESIA.

<sup>3</sup>UIN SULTAN THAHA SAIFUDDIN JAMBI, MENDALO, JAMBI, INDONESIA.

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## ABSTRACT

This systematic review explores the impact of Quizizz-based activities on the reading comprehension of EFL learners. Quizizz, a gamified educational platform, incorporates features such as instant feedback, competitive leaderboards, and visually appealing interfaces, which enhance student engagement and support the development of critical reading strategies, including skimming, scanning, and understanding textual structures. Using the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) 2020 checklist, this review analyzed 30 peer-reviewed articles published in 2024. The findings demonstrate that Quizizz significantly improves reading comprehension across various educational levels by fostering motivation, self-directed learning, and active classroom participation. Despite some challenges, such as access to technology, the overall benefits of integrating Quizizz into reading instruction are evident, offering a transformative approach to modern EFL education. This study highlights the potential of Quizizz to enhance learning outcomes and provides educators with practical insights into leveraging gamified tools to create more engaging and effective reading lessons.

*Keywords: Quizizz Gamification, EFL Reading Comprehension, Systematic Review Methodology, Educational Technology Integration*

## BACKGROUND

This systematic review looks into the effect of Quizizz-based activities on reading comprehension among EFL (English as a Foreign Language) students. Reading comprehension is a critical skill for language learning and academic achievement, but EFL students frequently face obstacles such as restricted vocabulary and a lack of compelling instructional approaches (Damar & Suwaji, 2024a).

The incorporation of technology, particularly gamified platforms like Quizizz, has revolutionized traditional approaches to language learning. Quizizz offers an interactive environment in which students may complete reading assignments that include elements like rapid feedback, competitive leaderboards, and visually appealing interfaces. These components are intended to boost enthusiasm and participation while also promoting a better knowledge of the reading topic (Damar & Suwaji, 2024b)

According to research, Quizizz-based exercises can help students improve their reading comprehension by assisting them in identifying primary ideas, analyzing text structures, and understanding suggested

meanings. For example, (Damar & Suwaji, 2024b) found that utilizing Quizizz in vocational schools boosted students' capacity to extract specific details and engage with reading passages more successfully.

Furthermore, the platform promotes self-paced learning, allowing students to practice individually and improve their abilities (Annisa & Susanti, 2024a)

Quizizz's effectiveness stems from its ability to blend gamification and assessment, resulting in an entertaining and productive learning experience. It facilitates essential reading strategies such as skimming, scanning, and determining textual coherence.(Damar & Suwaji, 2024a) Furthermore, its internet accessibility ensures that learning extends outside the classroom, meeting the needs of 21st-century education.

The goal of this review is to bring together available evidence on the role of Quizizz in improving EFL learners' reading comprehension. The fundamental research question driving this evaluation is, "How do Quizizz-based activities impact students' reading comprehension in EFL learning?"

This paper intends to provide educators with practical insights on harnessing Quizizz for enhancing reading comprehension, while emphasizing its potential for fostering engagement and academic accomplishment in EFL contexts.

## RESEARCH METHOD

This systematic literature review was conducted using the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) 2020 checklist. The PRISMA checklist has 27 criteria to help with transparency in systematic reviews. This systematic literature analysis used a comparative research approach, namely descriptive comparison (Check & Schutt, 2012; Creswell, 2014; Sharp, 2003). This work serves as a methodical attempt to illustrate how artificial intelligence differs and differs from other learning platforms since its goal is to describe and explain how Quizizz applications or platforms are used to help students improve their English reading skills. By examining a few publications related to Quizizz use, this study conceptually explores the main ways that the Quizizz platform enhances the effectiveness of teaching and learning the English language, particularly writing skills. With a focus on improving students' reading skills, this systematic literature review aims to better inform readers on how the Quizizz platform functions in the classroom and with EFL learners. The information utilized for review came from Google Scholar. This study is based on a thorough analysis of articles obtained from the major database, Google Scholar. The literature was processed using journals dated between 2024. As a result, in this study, the researchers conducted the analysis in four steps. These include the identification, screening, and eligibility phases, followed by the inclusion phase.

### *Phase 1: Identification Phases*

This stage of the systematic review entailed identifying relevant literature. This phase consists of two major procedures. The first step entailed gathering relevant papers and selecting appropriate articles based on inclusion and exclusion criteria. Studies like this may demonstrate the limitations of publication bias. This study did not include an analysis of literature from sources other than journal databases, such as book chapters, white papers, and technical reports. As a result, the research focused on examining peer-reviewed papers, which served as sources.

Table 1 shows the key databases used for this study: Various International Journal from Google Scholar. Furthermore, the papers used in this systematic review were published within 2024. of different keywords that were given the increasing rate of scientific papers being produced, today's evaluations of the literature must be aware not only of the broad direction and achievements of an area of research but also of the most recent findings in order to avoid becoming out-of-date. There was a combination of various keywords that

were used in this process. These include Quizizz for EFL Learners, Reading skill in education and Quizizz Platform in enhancing students' Reading skills.

## RESEARCH FINDINGS

This section will provide a thorough review of the research papers' findings. Because of the nature of the investigations, 10 articles were chosen for inclusion in this systematic review after four steps of selecting relevant articles for evaluation. Many scholars have published research on the effect of Quizizz Platforms in improving students' reading skills, and Table 5 summarizes the best and most seminal of these papers.

**Table 1.** Main Characteristics, Perspectives and perception of using Quizizz Platform in enhancing students' reading skills

Authors	Territory	Study Purpose	Participants	Discussion
Alan Damar Romadhoni Suaji(Damar & Suwaji, 2024b)	Indonesia	this study investigated how Quizizz work to enhance vocational school students' reading skills.	electro department students (TAV) in SMKN 3 Surabaya and their English teacher.	Based on the result and discussion, it can be concluded that Quizizz quite helps students and teachers to solve the issues to vocational school students' reading skills. Thus, Quizizz can enhance students' reading skills.
Syafrizal Syafrizal1,Yudi Juniardi ,hita Matsnah Sukaenah,John Pahamzah(Pahamzah et al., 2020)	Indonesia	This study aims to find out the use of quizizz application as a learning media and contribution of smartphone-game based online learning in the eleventh grade of Dwi Putra Bangsa Vocational School in Cimanggu Pandeglang Banten	Students Dwi Putra Bangsa Veocational School in Cimanggu Pandeglang Banten	The result of this study showed that usage of quizizz as a learning media can make students enthusiastic in participating in learning activity, so students can focus and maximizes their mobile phone as a fun learning media. The concept of maximum learning will help students' reading comprehension skill in English Learning. So it will improving students learning outcomes in school.
Sri Wahyuni ,Dwi Styaningsih (Wahyuni & Styaningsih, 2023)	Indonesia	This study aims at investigating the effectiveness of using Quizizz as a	State Junior High School in Kediri	According to the findings of this study, it can be concluded that

			<p>Web- Based Learning Media in Reading Comprehension Learning on recount text</p>		<p>Quizizz is an effective media for teaching recount text. It is also suggested that teachers can apply Quizizz as a learning media so that students are interested.</p>
<p>Sarlita D. Matra, Salwa Nadia Dewi(Matra &amp; Nadia Dewi, n.d.-a)</p>	<p>Unspecified, but relevant to global language education.</p>	<p>The study aims to provide a rich understanding of how Quizizz is utilized in the classroom environment, its impact on student engagement and motivation, as well as the challenges and opportunities encountered during its implementation.</p>	<p>Language educators and students utilizing Quizizz Platform</p>	<p>This study offers valuable insights into the practical implications of incorporating Quizizz into reading instruction, informing educators and researchers about the potential benefits and considerations of using digital learning platforms in the classroom.</p>	
<p>Niscaya Annisa,Arik Susanti(Annisa &amp; Susanti, 2024a)</p>	<p>Indonesia</p>	<p>This study aims to ascertain whether using the Quizizz application affects students' reading comprehension abilities in seventh-grade junior high school.</p>	<p>Seventh graders at one of Surabaya's public junior high schools</p>	<p>These findings support the hypothesis that using Quizizz as a teaching tool in the classroom significantly affects students' reading comprehension. Therefore, it is suggested that the following researchers may explore the utilization of Quizizz for other skills.</p>	
<p>Meri Kristiana, Mansyur Srisudarso2, Totoh Tauhidin Abas(Matra &amp; Nadia Dewi, n.d.-b)</p>	<p>Indonesia</p>	<p>The study aimed to understand students' experiences in learning in grade 8 junior high school in depth, particularly in</p>	<p>Language educators and students from junior highs school utilizing Quizizz Platforms.</p>	<p>Based on the discussion, the researcher concluded that this study explained the difficulties and obstacles— furthermore, the interaction of EFL</p>	

		terms of reading English.		students in learning English reading using Quizizz.
Nurul Fatwa1 , Ernita Daulay2(Fatwa & Daulay, 2024)	Indonesia	The objective of this study is to determine if Quizizz is a useful tool for developing student's reading comprehension for higher education.	EFL students using Quizizz Platforms.	The results of this study demonstrate that students are able to effectively manage their time while utilizing Quizizz as a tool for reading teaching.
Muhammad Hilmi Muzaffar Ali1(Hilmi et al., 2024)	Indonesia	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	English language learners.	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
Siti Noor Aini 1 , Fenni Kurniawati Ardah 2 , (Aini et al., 2024)	Indonesia	To explore innovative approaches in language teaching and learning.	Educators, EFL Learners, and Parents	The results showed that the use of the Quizizz application in early childhood was carried out well starting from the planning, implementation, and evaluation stages.
Reza Rezita, Wisma Yunita(Rezita & Yunita, 2023)	Indonesia	The purpose of this research was to investigate the students' perspective regarding the utilization of the Quizizz application.	Indonesian EFL learners/students.	The findings of this study are expected to give insights to the teachers about the use Quizizz as an alternative learning media which beneficial for both teacher and students in supporting teaching and learning process in reading

## DISCUSSION

The results of the research that were analyzed highlight how well Quizizz works as a digital tool to improve students' reading comprehension in EFL settings. Quizizz uses gamification features like leaderboards, interactive interfaces, and rapid feedback to create engaging learning experiences. These characteristics help students become more motivated and focused, especially in settings where conventional teaching strategies are unable to maintain students' interest

It has been demonstrated that Quizizz greatly enhances vocational school pupils' capacity to identify particular information in texts and cultivate reading techniques like scanning and skimming. This is consistent with research by (Wahyuni & Styaningsih, 2023), who found that the interactive features of the platform improve junior high school students' comprehension and engagement when teaching recount texts.

The research also shows that Quizizz helps with more general educational issues in addition to reading comprehension. For instance, (Annisa & Susanti, 2024b) discovered that Quizizz improved seventh-grade students' academic performance in reading comprehension and raised classroom engagement. In a similar vein, (Matra & Nadia Dewi, n.d.-b) noted that Quizizz successfully addressed students' learning challenges, noted that Quizizz successfully addressed students' learning challenges, encouraging a methodical and pleasurable approach to language learning.

Quizizz shows promise for time management and self-directed learning in higher education. According to (Fatwa & Daulay, 2024) students effectively used the platform to improve their reading abilities, demonstrating its adaptability to various educational levels. According to (Hilmi et al., 2024) who highlighted the platform's capacity to meet a variety of learner needs, these advantages are enhanced by Quizizz's favorable student opinions.

All things considered, this systematic evaluation backs up the claim that Quizizz greatly improves EFL learners' reading comprehension abilities by encouraging engagement, developing reading techniques, and offering a vibrant, gamified learning environment.

## CONCLUSION

The results of this systematic study indicate that Quizizz is a useful online tool for improving EFL students' reading comprehension. Instant feedback, competitive leaderboards, and interactive interfaces are just a few of its gamified features that make learning more fun and engaging. These components boost students' enthusiasm and active engagement in the learning process in addition to helping them become better readers.

In order to succeed academically, Quizizz helps students improve critical reading skills like scanning, skimming, and comprehending textual structures. It is a useful tool for both students and teachers because of its accessibility and adaptability, which enable it to be utilized in a variety of educational contexts and at different educational levels.

While some challenges remain, such as ensuring equitable access to technology, the overall benefits of Quizizz outweigh these limitations. As technology continues to evolve, integrating platforms like Quizizz into language learning holds great potential for fostering more effective and engaging educational experiences.

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