

# Quizlet as Teaching Media in Navigating Vocabulary Expansion: Systematic Literature Review

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## Abstract

The purpose of study is to investigate the impact and effectiveness of implementing Quizlet medias towards vocabulary expansion in English Subject. In the classroom context, teaching media have evolved into a dynamic and essential component of modern pedagogy. One of famous media in teaching and learning offers various study modes, such as Learning, Matching, and Testing, ensuring a dynamic and engaging learning experience. Students can learn more vocabulary to master their language by using Quizlet. The method used in this study was *Systematic Literature Review*. The selection of the inclusion and exclusion criteria was determined. We found 243 studies that selected 24 included studies obtained from three databases, ERIC Connectedpapers, and Perplexity.ai. This study analyzes the characteristics, impact, and effectiveness of Quizlet as a teaching medium for navigating vocabulary expansion. The results of this study show that Quizlet has positive and significant implications for vocabulary expansion. Most studies proved that Quizlet is effective in teaching vocabulary among higher education, high school, and English course students.

**Keywords:** *Vocabulary Expansion; Teaching Media; Quizlet*

## INTRODUCTION

In the contemporary educational landscape, classroom teaching media has evolved into a dynamic and essential component of modern pedagogy. The advent of digital technologies and the omnipresence of media in our daily lives has necessitated a shift in educational approaches, placing media literacy at the forefront of academic priorities. Media is a tool used to stimulate students' abilities, concerns, thoughts, feelings, or skills to encourage efficient teaching and learning processes (Tanjung, 2020). Today's educators recognize the importance of equipping students with the skills to critically engage with a myriad of media forms, from traditional print to digital platforms, fostering a generation capable of navigating the complexities of the information age.

Within the classroom context, the teaching of media goes beyond the mere consumption of content. It empowers students to discern consumers, active producers, and responsible digital citizens. Educators leverage diverse media formats to create immersive and interactive learning experiences, bridging the gap between theoretical knowledge and real-world application. Through the thoughtful integration of media literacy into the curriculum, teachers not only nurture students' ability to analyze and

interpret media messages but also cultivate their capacity to harness media tools for effective communication, collaborative learning, and creative expression. Many online learning media offer various conveniences in the teaching and learning process, one of them which often use now is Quizlet.

The Quizlet offers interactive tools that make learning more effective and enjoyable. It is commonly used as a vocabulary learning medium because its personalization and easy accessibility make it an ideal tool to help students build and remember vocabulary more efficiently. Quizlet founded in 2005 by Andrew Sutherland, a high school student at the time, Quizlet began as a simple tool to help Sutherland memorize French vocabulary. Over the years, it has evolved into a multifaceted platform that caters to various subjects and educational levels. The core functionality of Quizlet lies in its ability to create digital flashcards, enabling users to reinforce their knowledge through active recall, a proven method for effective learning (Al-Malki, 2020; Prayogi & Wulandari, 2021)

The success of the platform can be attributed to its user-friendly interface and adaptive features. Quizlet not only allows users to create their own study materials, but also provides access to a vast library of pre-existing flashcard sets across diverse subjects. Furthermore, Quizlet offers various study modes, such as Learning, Matching, and Testing, ensuring a dynamic and engaging learning experience (Sanosi, 2018; Deng and Trainin, 2015). The incorporation of gamification elements, like timed challenges and leaderboards, adds an element of competition, that motivates users to enhance their learning efficiency. One example of using Quizlet in language learning is to understand and increase vocabulary.

Vocabulary is the knowledge of the meaning of words, which serves as a powerful tool that enables effective communication and expression. It encompasses a vast array of words and phrases that a person understands and uses in a given language (Hiebert & Kamil, 2005; Takaj, 2008; Amalia, 2019). A rich and diverse vocabulary not only facilitates clear and nuanced communication but also enhances one's ability to comprehend complex ideas, literature, and various forms of discourse. In the realm of education, robust vocabulary is often considered an important key indicator of academic success (Ur, 2012; Alqahtani, 2015). Students who actively cultivate their lexicons find themselves better equipped to comprehend academic texts, participate in class discussions, and excel in written assignments.

Furthermore, Quizlet has emerged as a versatile and effective teaching medium for navigating vocabulary expansion in diverse educational settings. With its user-friendly interface and customizable features, Quizlet offers educators and students a dynamic platform to enhance their language skills. The platform provides a rich repository of pre-existing flashcard sets, covering a wide array of subjects, making it a valuable resource for teachers seeking to supplement their curriculum with engaging and interactive vocabulary exercises. Teachers can create their own sets tailored to specific lessons, thus allowing for a targeted approach to vocabulary expansion. This flexibility not only caters to individual learning needs but also promotes an active and participatory classroom environment.

This article provides a new perspective on how Quizlet as a technology-based teaching medium not only serves as a tool in vocabulary teaching, but also its impact and effectiveness in accelerating students' vocabulary expansion process. This article also

aims to conduct a Systematic Literature Review (SLR) of the use of Quizlet as a teaching medium for navigating vocabulary expansion. By presenting a systematic and detailed literature review, this article is expected to provide valuable insights for educators, researchers, and educational practitioners to understand the various strategies to teach vocabulary especially using digital modern media such as Quizlet. The importance of this research is to understand the extent to which Quizlet media can influence the students' vocabulary expansion. For this reason, this research will explore more deeply how the Quizlet media can affect the vocabulary based on a survey of the analysis results of research articles to study more deeply whether Quizlet media is effectively implemented in teaching vocabulary. Then the researchers proposed the following research questions to guide the review work:

1. How does the Quizlet teaching media impact vocabulary expansion?
2. What is the effectiveness of Quizlet teaching media to enhancing vocabulary expansion?

## **METHOD**

### **Research Design**

This research was formulated using a systematic literature review design (SLR). The method used in writing this article is PRISMA (Preferred Reporting Items for Systematic Review and Meta-Analysis), which includes a literature search strategy and inclusion-exclusion criteria. This review mainly focuses on Quizlet as a teaching medium to enhance vocabulary expansion.

### **Data and Source of Data**

The data for this systematic literature review included peer-reviewed journal articles and empirical studies that investigated the use of Quizlet as a teaching tool for vocabulary expansion. It was obtained from various research designs such as quantitative, qualitative, and mixed method that relevant with the theme and topic.

The literature search was conducted in October 2023 using three databases as the source of data. These are ERIC, ConnectedPaper, and Perplexity.ai. To find the targeted literature, four key terms or keywords were used: (1) the implementation of Quizlet in teaching vocabulary, (2) Quizlet and vocabulary, (3) the impact of Quizlet on vocabulary, (4) Quizlet Media.

### **Data Collection Technique**

After searching the literature, 243 articles were identified in the databases. Articles were screened using the inclusion criteria. The inclusion criteria were (1) articles published between 2015-2023, (2) articles should be peer-reviewed article (3) Article should be written in English, and (4) articles should be about Quizlet media that focused on the vocabulary. The first step was to screen the titles and abstracts of articles in accordance the inclusion criteria. The main screening was conducted on all identified records.

The second step was to read the title and abstract, and the researcher conducted an in-depth analysis by reading the full-text. Articles focused on Quizlet media to enhance vocabulary expansion were selected as the object of this research. For the exclusion criteria, research articles did not focus on Quizlet media and English

vocabulary, some of them also combined other media with Quizlet, and incorporated other skills alongside vocabulary. Next, 219 studies were excluded due to failure to meet the inclusion criteria resulting in 24 records accepted to proceed in the next step.

### Analyzing Data

In the systematic literature review process, a thorough data analysis was conducted to identify, evaluate and synthesize the findings from published studies. This section covers some of the stages of data analysis. First, descriptive analysis was used to summarize the key characteristics of the included studies, such as the research design and sample size. Recurring themes were then identified focusing on how Quizlet was integrated into teaching, its effectiveness, challenges, and vocabulary outcomes. If sufficient quantitative data are available, a meta-analysis may be conducted to assess the impact of Quizlet on vocabulary growth, and to calculate effect sizes where applicable. For qualitative or mixed-method studies, narrative synthesis describes how Quizlet supports vocabulary development and its effectiveness under various conditions. Finally the findings from all methods will be triangulated to draw conclusions on the overall impact and effectiveness of Quizlet as a vocabulary teaching medium.

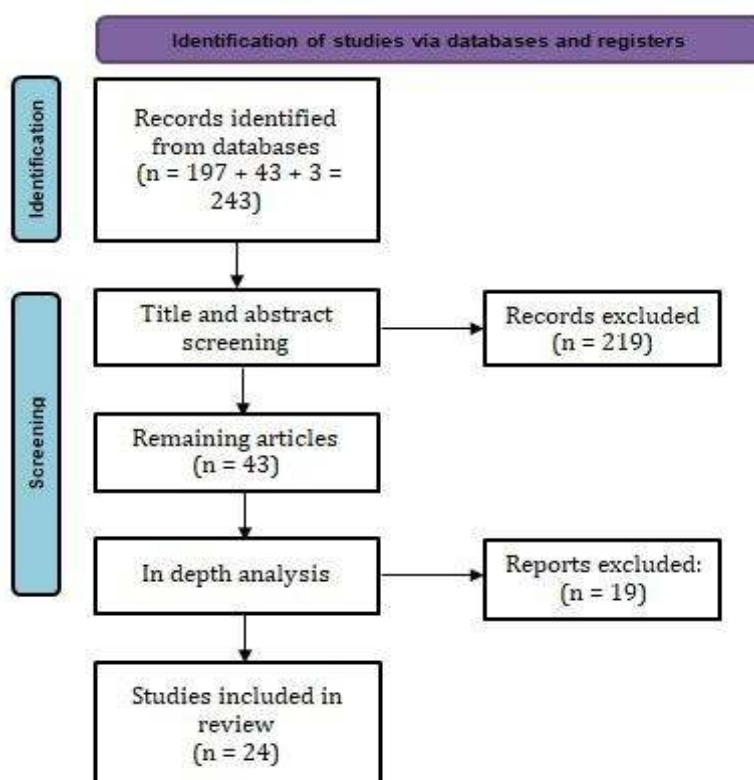


Figure 1. PRISMA flow diagram of systematic review

## RESULTS AND DISCUSSION

### Results

In this section, we present our research questions. The first concerns the impact of Quizlet as teaching media on vocabulary expansion. The second is the effectiveness of Quizlet Teaching Media to Enhancing Vocabulary Expansion. This review aimed to advance the understanding of the characteristics of studies on Quizlet as a teaching

medium, its impact on vocabulary expansion, and how the effectiveness of Quizlet teaching media to enhances vocabulary expansion.

Table.1 Overview of Studies included in this systematic review

No	Author(s)	Year	Context		Subject	Research	Sample	Data
			Country/reg ion	Educatio n sector		Design	size	collectio n method
1	Atalan&Subasi	2023	Turkey	High School	English	Mix Method	52	Test & Interview
2	Montaner-Vilalba	2019	Spain	High School	English	Quantitative	24	Test
3	Chaikovska&Zbaravska	2020	Ukraine	Higher Education	English	Quantitative	50	Test
4	Andarab	2019	Turkey	Higher Education	English	Quantitative	45	Test
5	Tran	2016	Vietnam	Higher Education	English	Mix Method	21	Survey & Questionnaire
6	Lukov	2022	Hawaii	Higher Education	English	Quantitative	20	Test
7	Dung & Loan	2022	Vietnam	High School	English	Quantitative	30	Test & Questionnaire
8	Apriliani & Suryaman	2021	Indonesia	High School	English	Qualitative	5	Interview
9	Rahma&Dewi	2022	Indonesia	High School	English	Quantitative	67	Test
10	Endriyati n, Sahlan&Tambunan	2021	Indonesia	Higher Education	English	Mix Method	30	Closed-ended Questionnaire
11	Avisteva & Halimi	2020	Indonesia	High School	English	Mix Method	30	Test, Questionnaire & Field notes
12	Setiawan & Wiedarti	2020	Indonesia	High School	English	Quantitative	65	Observation
13	Trang & Tam	2021	Vietnam	High School	English	Quantitative	15	Observation, Questionnaire &



14	Alastuey & Nemeth	2020	Spain	Course	English	Quantitative	13	Test & Questionnaire
15	Okkan& Aydin	2020	Turkey	Higher Education	English	Quantitative	45	Test
16	Al-Maliki	2020	Oman	Higher Education	English	Mix Method	20	Test & Observation
17	Huong & Hong	2020	Vietnam	Primary School	English	Quantitative	29	Test & Questionnaire
18	Platzer	2020	Austria	Higher Education	English	Quantitative	165	Test & Questionnaire
19	Sanosi	2018	Saudi Arabia	Higher Education	English	Quantitative	42	Test
20	Andarab	2019	Turkey	Higher Education	English	Quantitative	70	Test
21	Cinar& Ari	2019	Turkey	High School	English	Quantitative	71	Test
22	Prayogi& Wulandari	2021	Indonesia	High School	English	Qualitative	13	Observation, Questionnaire & Interview
23	Mykytka	2023	Spain	Higher Education	English	Quantitative	30	Questionnaire
24	Dinzon	2016	Japan	Higher Education	English	Quantitative	9	Test & Questionnaire

Table 1 provides an overview of the studies reviewed. The research context, design, sample size, and data collection methods are summarized. The year publication of the included studies ranged from 2015 to 2023. The included studies were conducted in nine countries. These countries were Indonesia (N = 7 studies), Turkey (N = 5 studies), Spain (N = 3 studies), Ukraine (N = 1 study), Vietnam (N = 4 studies), Hawaii (N = 1 study), Oman (N = 1 study), Saudi Arabia (N = 1 study), and Japan (N = 1 study). Most of included studies were conducted in higher education (N = 12), while the other studies were conducted in high school (N = 10), Primary School (N = 1), and English courses (N = 1). All studies included in this research addressed in English. Based on this result, Quizlet teaching media is used to enhance vocabulary in higher education, high school, primary school, and English courses.

All studies included in this review were empirical studies. It has been employed in various designs (i.e., quantitative, qualitative, and mixed methods). The majority of the included studies discussed the application or implementation (1, 2, 3, 4, 11) of Quizlet

media and its effect or impact on vocabulary expansion (1, 3, 4, 6, 7, 9, 10, 11, 15, 17, 18, 19, 23, 24). In addition, other studies have shown students' perceptions of the use of Quizlet media (1, 5, 8, 11, 22, 23) and how the effectiveness of using this media in English subjects at various levels of education (2, 4, 12, 13, 14, 16, 17, 18, 19, 20, 21).

The most frequently used methods for collecting data on students' vocabulary expansion were tests (n = 18), 10), questionnaires (N = 10), interviews (N = 3), observations (N = 2), Surveys (N = 1), and field notes (N = 1). The researchers used interviews, observations, and field notes to collect qualitative data that they used to determine students' perception of the used of Quizlet media. In quantitative, they use tests and questionnaires and surveys to determine the impact and effectiveness of using this media. The table below show the data exposure of the 24 studies.

## **Discussion**

### ***The impact of Quizlet teaching media on the vocabulary expansion***

A total of 12 studies have reported the impact of implementing Quizlet media in teaching vocabulary (1, 3, 4, 6, 7, 9, 10, 11, 15, 17, 18, 19, 23, 24). The appropriate implementation of ICT in the EFL classroom helps the learners improve their vocabulary acquisition and maximize target outcomes (Chaikovska & Zbaravska, 2020). Implementing Quizlet media in teaching vocabulary enhances the learning experience by incorporating dynamic visual and auditory elements (1, 18). Traditional methods often rely on static text, making it challenging for students to grasp the nuances of word meanings (Huong & Hong, 2020). Quizlet's multimedia capabilities, such as images, audio, and short video clips, provide a more comprehensive understanding of vocabulary (Andarab, 2019; Lukov, 2022). This diversity in content engages different learning styles, catering to visual and auditory learners alike, and fostering a deeper connection to the words being taught.

There were some reasons for the positive effects of using Quizlet application on the students' vocabulary retention (3, 4, 6, 7, 9, 19). The use of the Quizlet application was effective to increase the student's motivation (10, 11, 15, 17, 23, 24). The students were more enthusiastic and did not get bored. Quizlet also helps them in learning, comprehending, and memorizing vocabulary (Atalan & Subasi, 2023; Dung & Loan, 2022; Endriyatin, Sahlan, Tambunan, 2021). Of course, the students felt happy and fun because they could play the Quizlet like game while learning (Apriliani & Suryaman, 2021). So, they can understand material faster and more efficiently.

In addition to its impact on individual learning, the collaborative nature of Quizlet enables educators to share multimedia-rich study materials with their students. This creates a collaborative learning environment where students can interact with each other's creations, fostering consistency community and shared knowledge. The ability to access and contribute to a collective pool of multimedia vocabulary resources enhances the overall learning experience, creating a dynamic and collaborative approach to vocabulary acquisition (Aviesteva & Halimi, 2020).

### ***The effectiveness of Quizlet teaching media to vocabulary expansion***

A total of 11 studies have reported the effectiveness of Quizlet media in teaching vocabulary (2, 4, 12, 13, 14, 16, 17, 18, 19, 20, 21). The adaptability of Quizlet to different learning environments is another factor contributing to its effectiveness in



vocabulary expansion. Whether used independently or integrated into classroom settings, Quizlet accommodates various educational approaches (2, 14). Teachers can create customized study materials tailored to their curriculum, while students can independently explore and reinforce vocabulary at their own pace. This versatility makes Quizlet a versatile and accessible tool for learners of all ages and backgrounds, contributing significantly to the enhancement of vocabulary skills.

Quizlet media has proven to be a highly effective tool for expanding vocabulary (4, 12, 13, 16, 17, 18, 19, 20, 21). Its interactive and engaging platform allows users to learn and reinforce new words in various ways. The multimedia elements, including images and audio, enhance the learning experience by providing multiple sensory cues, which can significantly aid in retention and recall (Platzer, 2020; Andarab, 2019). This dynamic approach not only makes the process more enjoyable but also caters to different learning styles, ensuring a more comprehensive understanding of the vocabulary.

Moreover, Quizlet's interactive features allow educators to create engaging activities and assessments. Flashcards, quizzes, and games can be enriched with multimedia elements, transforming mundane vocabulary drills into interactive, stimulating exercises. This not only adds an element of fun to the learning process but also reinforces retention as students connect words with memorable images or sound bites (Anjaniputra & Salsabila, 2018; Al-Maliki, 2020). The adaptability of Quizlet media ensures that educators can tailor their teaching methods to suit the specific needs and preferences of their students, promoting a more personalized and effective learning journey.

## CONCLUSION

The use of Quizlet media shows a significant positive impact on education that extends beyond individual study sessions. With collaborative features, students can form study groups and share resources, fostering a sense of community-driven learning. Teachers can utilize Quizlet to create interactive and customized study materials for their classes. As a result, Quizlet stands as a testament to the transformative power of technology in education, providing a versatile and accessible platform for learners of all ages. With Quizlet, language learning can be done easily and efficiently. Moreover, the effectiveness of Quizlet involves presenting information at intervals, reinforcing memory retention and promoting long-term comprehension. As students navigate their vocabulary expansion journey through Quizlet, they not only acquire new words but also develop a deeper understanding of context and usage. In essence, Quizlet has become a cornerstone in modern education, empowering both teachers and students to navigate the intricacies of language acquisition with efficiency and enthusiasm.

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