Eduweb Quizlet Platform for Measuring Chinese Vocabulary Skills

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Abstract:

Students experience difficulties in understanding and memorizing Mandarin vocabulary. This study employs a descriptive qualitative method with data collection techniques including observation and interviews through Google Forms, distributed via the WhatsApp group of Mandarin Language Education students at Universitas Negeri Surabaya. The research findings indicate that EduWeb Quizlet is a digital educational platform that enhances learning and vocabulary mastery in Mandarin. Students face challenges in learning Mandarin due to its complex vocabulary and characters. Additionally, students in the Mandarin Language Education Department prefer using technology in the Mandarin language learning process. The study also identifies factors influencing students in learning Mandarin, such as a strong aspiration to develop themselves and pursue careers related to Mandarin. Therefore, the use of EduWeb Quizlet can be concluded as highly beneficial for foreign language learning, particularly Mandarin, in the era of Generation 5.0.

Keywords:
Eduweb Quizlet, Chinese, Vocabulary

Abstrak:

Mahasiswa mengalami kesulitan dalam memahami dan menghafal kosakata bahasa Mandarin. Penelitian ini menggunakan metode deskriptif kualitatif dengan teknik pengumpulan data berupa observasi dan wawancara melalui Google Forms, yang dibagikan melalui grup WhatsApp mahasiswa Jurusan Pendidikan Bahasa Mandarin di Universitas Negeri Surabaya. Hasil penelitian menunjukkan bahwa EduWeb Quizlet adalah platform pendidikan digital yang meningkatkan pembelajaran dan penguasaan kosakata dalam bahasa Mandarin. Mahasiswa menghadapi tantangan dalam mempelajari bahasa Mandarin karena kosakata dan karakter yang kompleks. Selain itu, mahasiswa Jurusan Pendidikan Bahasa Mandarin lebih memilih menggunakan teknologi dalam proses pembelajaran bahasa Mandarin. Penelitian ini juga mengidentifikasi faktor-faktor yang memengaruhi mahasiswa dalam belajar bahasa Mandarin, seperti aspirasi yang kuat untuk mengembangkan diri dan mengejar karir di bidang yang berkaitan dengan bahasa Mandarin. Oleh karena itu, penggunaan EduWeb Quizlet dapat disimpulkan sangat bermanfaat untuk pembelajaran bahasa asing, khususnya bahasa Mandarin, di era Generasi 5.0.

Kata Kunci:
EduWeb Quizlet; Bahasa Mandarin; Kosakata

INTRODUCTION

Mastering vocabulary is one of the most crucial elements in learning a foreign language, especially when it comes to languages that are not frequently used in everyday conversations. Without a strong understanding of vocabulary, learners will find it challenging to grasp and express ideas, concepts, or emotions in the language they are studying. A solid vocabulary foundation is essential for effective communication in a foreign language. If a person does not have a sufficient grasp of the vocabulary of the language they are learning, their ability to articulate thoughts, formulate complex ideas, and convey emotions accurately will be significantly limited. This lack of vocabulary knowledge can hinder both language learning and social interaction, making it difficult for individuals to fully utilize their communication skills and express themselves in a foreign language setting. Hackman (2008) emphasizes the importance of vocabulary as a core component of language, vital for mastering various language skills such as reading, listening, speaking, and writing. The more extensive a person's vocabulary, the better their ability to speak fluently and master the language effectively.

Since the early 21st century, Mandarin has emerged as the second most widely spoken language globally, following English. This rise in importance is evident in various sectors, including the industrial world, where many companies now seek employees proficient in Mandarin. This trend reflects the growing significance of Mandarin in global business and communication. Similarly, in the field of education, Mandarin is increasingly being integrated into school curricula across various countries, including Indonesia, where some schools have started to offer Mandarin as part of their language programs. For many learners, especially those who are not native speakers, mastering Mandarin vocabulary can be particularly challenging. This difficulty arises because learning Mandarin involves understanding several unique elements, such as 声母 (Shēngmǔ) or consonants, 声调 (shēngdiào) or tones, 拼音 (pīnyīn) which is the romanization of Chinese characters, 汉字 (hànzì) or Chinese characters themselves, and 笔画 (bǐhuà) or the strokes used in writing characters. Unlike English, which uses an alphabetic system where letters represent sounds, Mandarin has a logographic writing system where each character represents a word or a meaningful part of a word. Sahragard & Keshavarz (2013) note that Mandarin vocabulary is extensive, estimated to include about 52,000 words, with around 29,000 of these used frequently in daily life. The complexity of Mandarin's writing system, where each character has a specific way

of being read, a particular tone, and an order of strokes for writing, adds another layer of difficulty for learners. This complexity is one of the main reasons why learning Mandarin is considered challenging. Additionally, many learners struggle with retaining new vocabulary over the long term, which is a common issue in foreign language acquisition.

To facilitate more effective foreign language learning, it is highly recommended to use engaging and interactive learning media. This approach makes the learning process more enjoyable and helps prevent learners from feeling bored or overwhelmed by the difficulty of acquiring new vocabulary. A lack of motivation is often a significant barrier to successful language learning, particularly when it comes to learning Mandarin. Cheng and Wang (2019) have highlighted that one of the major challenges in learning foreign language vocabulary is the lack of motivation among learners. Additionally, vocabulary is often difficult to memorize and retain in long-term memory, making it even more challenging for learners to achieve proficiency. Utilizing fun and interactive learning tools can significantly boost students' motivation to learn Mandarin. In today's world, technological advancements have been rapid and transformative. Most students are now adept at using technology, including mobile phones and other gadgets, which can be powerful tools for learning. In the era of Industry 5.0, gadgets are not just used for social media, photography, or entertainment but also serve as effective educational tools. With the help of these devices, students can learn Mandarin vocabulary more easily by accessing various learning apps and online resources. One example of using technology in Mandarin language learning is through platforms like EduWeb Quizlet, which offers interactive quizzes and exercises that make learning vocabulary more engaging and effective.

Formative evaluation is an assessment activity aimed at gathering feedback. This feedback can then be used to improve the teaching and learning process that is currently ongoing or has already taken place (Purwanto, 2006:26). Formative evaluation is used to monitor students' learning progress throughout the teaching and learning process. It is also utilized to identify weaknesses that require improvement so that the teaching and learning process can run effectively. The focus of formative evaluation is on the achievement of learning outcomes in each unit planned for evaluation. The information obtained from this type of evaluation is quickly analyzed to provide insights to teachers or administrators about whether there is a need for improvement programs for students who require them (Sukardi, 2015:58). In this study, the researcher will conduct formative evaluation by analyzing the results of a questionnaire given to students. The goal is to assess student progress and the effectiveness of using

EduWeb Quizlet in measuring vocabulary knowledge in Mandarin. The questionnaire, created using Google Forms, will be shared with students through a WhatsApp group link.

Previous research related to EduWeb Quizlet as a tool for learning Mandarin has been found in a study by Cleveresty and Afrina (2022), titled "Introduction to Mandarin Using E-Flashcard Quizlet at Tamaddun Jatinagor Islamic Boarding School." The results of this study showed that the use of e-flashcards made learning more efficient and helped students learn Mandarin more easily, especially in terms of vocabulary acquisition. This was supported by improved test results, with scores above the minimum competency standard of 80, both in written and oral forms. A second study was conducted by Phin et al. (2024) with the title "Challenges in Using Quizlet for Teaching Chinese Characters in Mandarin as a Foreign Language Courses at Universitas Malaysia Sabah." This study found that the Quizlet platform can help students master Chinese characters through the use of modern technology that is fun, engaging, and effective. However, the study also noted some drawbacks, such as reliance on internet access. The current study is motivated by the difficulty students face in understanding the meaning of Mandarin vocabulary. Therefore, the research aims to provide an innovative design for foreign language learning, specifically for Mandarin, to measure students' vocabulary mastery. Additionally, the study seeks to create a formative assessment as an overview of the success of using the EduWeb Quizlet platform in Mandarin vocabulary learning.

METHOD

The method used in this study adopts a qualitative descriptive approach. This approach is employed to provide, outline, depict, and explain phenomena related to the research object. Qualitative research, in general, is a research procedure that produces descriptive data in the form of written words that detail the characteristics of individuals, the state of observed phenomena, and specific groups. Qualitative research is characterized by its emphasis on producing analytical procedures that do not rely on statistical analysis or other methods of quantification (Moelong, 2011:6). Unlike quantitative research, which often uses numerical data and statistical methods, qualitative research focuses on exploring concepts, gaining insights, and developing a deeper understanding of social phenomena. It is typically conducted in a natural setting and aims to discover underlying meanings, understand social interactions, develop theories, validate data accuracy, and explore historical development. This type of

research is particularly useful when the problem is not clearly defined when there is a need to uncover hidden meanings or understand complex social dynamics, or when developing new theories is necessary.

The data collection techniques used in this study include observation and interviews conducted through Google Forms. The purpose of these methods is to gather detailed information regarding the use of the EduWeb Quizlet platform in mastering Mandarin vocabulary. The research design includes the evaluation framework that will be used to assess students and analyze their performance in using EduWeb Quizlet to enhance their Mandarin vocabulary skills. By focusing on how students interact with the platform and the outcomes of its use, the study aims to evaluate the effectiveness of EduWeb Quizlet as an educational tool. The primary data for this research consists of information obtained from the Quizlet application as it is used in activities focused on Mandarin vocabulary mastery. This includes direct observations of how the platform is employed in teaching, as well as feedback from students who use it. Secondary data are derived from a comprehensive literature review, including articles, proceedings, theses, dissertations, books, and other media that provide supporting information related to the topic. These secondary sources help to contextualize the study within the broader field of language education and offer insights into previous research findings, theoretical frameworks, and methodological approaches relevant to the study. By combining both primary and secondary data, the study aims to provide a well-rounded analysis of the use of EduWeb Quizlet in Mandarin vocabulary learning. The goal is to understand not just the effectiveness of the tool but also the experiences of the learners, any challenges they face, and the overall impact on their language acquisition process. This comprehensive approach ensures that the findings are robust and provide valuable insights that can inform future educational practices and research.

RESULTS AND DISCUSSION

Introduction to EduWeb Quizlet

Quizlet is a popular online learning platform that supports students across various educational levels by providing a range of tools and features to help them learn different types of material, from vocabulary to more complex concepts. One of Quizlet's key features is flashcards, which allow users to create and share cards with important words or concepts and their definitions. Users can also access a vast library of pre-made flashcards for free, making the learning process more interactive and effective. In addition to flashcards, Quizlet offers various quizzes and games designed to make

learning more engaging and challenging. Quizlet is not only useful for learning but also for assessment purposes. To evaluate users' understanding of the topics they are studying, users can create quizzes and tests that are either text-based or image-based. The platform's progress tracking feature allows users to see how well they comprehend the material and identify areas that need more focus. Quizlet includes many interactive activities that enhance memory retention and critical thinking skills. Because of these features, Quizlet has become an invaluable tool for students in the digital age.

With this platform, teachers can create learning materials that consider both the cognitive and emotional needs of students. Edu Web Quizlet encourages active learning and helps students enjoyably master Mandarin vocabulary through evaluation tools like vocabulary games and interactive quizzes. Therefore, using Edu Web Quizlet provides a comprehensive and sustainable approach to measuring and enhancing students' mastery of Mandarin vocabulary. The use of Quizlet is highly beneficial for improving vocabulary comprehension and language skills when learning foreign languages like Mandarin. The impact of Quizlet on Mandarin vocabulary learning is seen in its ability to enhance vocabulary retention, boost student motivation, and improve overall learning outcomes. By expanding our understanding of how digital platforms like Quizlet can influence language learning, we can discover better methods to enhance students' language skills. Quizlet offers two main features: tools for learning material and games.

EduWeb Quizlet is an innovative educational platform that enhances the learning experience by combining technology with interactive tools. It is designed to support students in mastering various subjects, particularly languages like Mandarin, through engaging and effective methods. The platform offers a wide range of features, such as customizable flashcards, quizzes, and games, which make learning both fun and challenging. By providing a comprehensive set of resources, EduWeb Quizlet encourages active participation and continuous improvement, helping students to better retain vocabulary and concepts. EduWeb Quizlet also serves as a valuable tool for educators, enabling them to create personalized learning materials that cater to the cognitive and emotional needs of their students. With its user-friendly interface and diverse features, EduWeb Quizlet is an excellent resource for enhancing the teaching and learning process in the digital age.

Issues in Mandarin Language Learning

An online questionnaire was distributed among the Chinese Language Education students from Surabaya State University, class of 2020, through their WhatsApp Group.

A total of 20 students participated in this survey. The results revealed that a significant majority, specifically 80% (or 16 out of 20 respondents), identified writing Chinese vocabulary, particularly 汉字 (Hanzi), as the most challenging aspect of learning Chinese. They reported that the complexity of Hanzi characters, with their numerous strokes and intricate structures, was a major hurdle. In contrast, 20% of the respondents (or 4 out of 20 students) indicated that their difficulties were primarily due to the large number of Hanzi characters that needed to be memorized, which they found overwhelming. These insights highlight a crucial need for an educational approach that is both adaptive and specifically designed to address these challenges. A responsive curriculum that incorporates focused training can play a vital role in meeting the student's learning needs and helping them navigate the difficulties associated with learning Mandarin. The traditional methods of teaching, which often rely heavily on rote memorization and repetitive practice, can be particularly challenging for students when it comes to mastering complex writing systems like Hanzi.

To enhance the learning experience, it is essential to explore and implement innovative teaching methods that leverage digital technology. Digital-based learning offers a range of interactive tools and resources that can make the process of learning Chinese vocabulary more engaging and effective. For instance, digital media can provide visual aids, interactive exercises, and instant feedback, which can significantly ease the process of learning and memorizing Hanzi characters. By integrating these modern tools into the curriculum, educators can create a more dynamic and supportive learning environment that better addresses the specific difficulties students face. This shift towards incorporating digital media in education represents an important advancement, making the learning of Mandarin more accessible and effective, and ultimately helping students to achieve greater proficiency in the language.

Creating Learning Media Using EduWeb Quizlet

To begin using Quizlet, users have multiple convenient options for accessing the platform. They can visit the website by navigating to quizlet.com on any web browser, or they can download the Quizlet app, which is readily available on both the Google Play Store and the Apple App Store. For individuals who are new to Quizlet and do not yet have an account, the registration process is designed to be user-friendly and straightforward. Users should click on the "Sign Up" button, which is prominently displayed in a bright yellow color on the website or within the app. This action will lead

them to a registration page where they have several choices for creating their account. Users can choose to sign up using their email address, which involves entering a valid email and setting up a password. Alternatively, they can expedite the process by using their Facebook account to sign up, which allows for quicker registration through social media integration. For those who prefer a more manual approach, users can also create an account by entering their details, including their date of birth, and email address, and selecting a secure password.

Once the registration is complete and the account is established, users will gain access to the educator dashboard on the Quizlet platform. This dashboard is the central hub for educators and allows them to manage their classes and learning materials. To begin creating educational content, educators can start by setting up new classes. This process involves clicking on the (+) icon, which is prominently featured on the dashboard. This action initiates the creation of a new class and the associated educational resources. For designing vocabulary learning materials, educators should select the option labeled "Create Study Set" from the available choices. This feature allows them to input vocabulary items and relevant details into the system. As educators add vocabulary words, Quizlet automatically generates a set of flashcards and assessments based on the entered data. This automation streamlines the process, making it easier for educators to create interactive and engaging study aids. By utilizing these features, educators can efficiently develop resources that enhance the learning experience and support students in mastering new vocabulary effectively.

Impact of Using Edu Web Quizlett Media

The transformation of learning through technology marks a profound shift in the educational landscape, redefining how students access information, engage with content, and develop skills. This shift is particularly impactful in the context of language learning, where digital tools and platforms have opened up new avenues for instruction and interaction. Technology has made a wide array of resources more accessible and has created learning opportunities that extend well beyond the traditional classroom environment. The integration of technology into educational practices emphasizes the need to leverage digital tools to make learning more interactive, dynamic, and engaging for students. In the realm of Mandarin education, the adoption of technological tools such as EduWeb Quizlet represents a significant advancement. EduWeb Quizlet is a digital platform designed to facilitate learning through a variety of interactive features. It offers numerous resources and tools that can enhance the educational experience,

particularly in mastering complex subjects such as Chinese vocabulary. The platform provides a means to engage students in a way that traditional methods may not, by incorporating multimedia elements and interactive activities that can capture students' interest and make learning more enjoyable.

The use of diverse media forms in education, such as videos, comics, and music, plays a crucial role in enhancing students' interest and engagement. These varied learning materials cater to different learning styles and preferences, which can significantly improve the effectiveness of teaching. For instance, visual learners may benefit from videos and illustrations, while auditory learners may find music and spoken language exercises more effective. By integrating these different forms of media into the curriculum, educators can create a more inclusive and stimulating learning environment that addresses the needs of all students. The introduction of EduWeb Quizlet as a tool for learning and assessing Chinese vocabulary offers a practical example of how technology can be used to support language acquisition. To assess its effectiveness, a recent survey was conducted among Chinese Language Education students at Surabaya State University. The survey involved distributing an online questionnaire to 20 students through WhatsApp groups and social media channels. The goal was to gather insights into the students' experiences with EduWeb Quizlet and to evaluate how the platform influences their learning of Chinese vocabulary.

The results of the survey provided valuable information about the impact of EduWeb Quizlet on students' learning experiences. A notable 94% of the students indicated that they found learning Chinese vocabulary significantly easier when using digital technology like EduWeb Quizlet. This high percentage suggests that integrating digital tools into language learning can simplify the process and make it more accessible. The ease of use and the interactive nature of EduWeb Quizlet likely contribute to this positive perception. In addition to making learning easier, EduWeb Quizlet has also been shown to enhance student enthusiasm for learning. The survey revealed that 88% of students expressed enthusiasm when using EduWeb Quizlet for their studies. This enthusiasm is a crucial factor in the learning process, as motivated students are more likely to engage actively with the material and persist in their studies. The interactive features of EduWeb Quizlet, such as games and quizzes, likely contribute to this increased motivation, making learning more enjoyable and less monotonous.

The impact of EduWeb Quizlet on students' motivation to master Chinese vocabulary was also evident from the survey results. An impressive 90% of students

reported feeling more motivated when learning with digital media. This high level of motivation can lead to better learning outcomes, as students who are engaged and enthusiastic about their studies are more likely to put in the effort needed to succeed. Regarding learning outcomes, the survey indicated that 86% of students rated their knowledge of Chinese vocabulary positively, attributing their success to the use of EduWeb Quizlet. This positive feedback underscores the effectiveness of the platform in supporting vocabulary acquisition and improving students' understanding of the language. The ability of EduWeb Quizlet to provide immediate feedback and interactive exercises likely contributes to this improvement in learning outcomes.

The survey also highlighted the role of EduWeb Quizlet in helping students maintain focus during their studies. According to the results, 85% of students reported being able to stay focused while using the platform. This is a significant benefit, as maintaining concentration is essential for effective learning. The engaging and interactive nature of EduWeb Quizlet may help students remain attentive and engaged with the material, reducing distractions and improving overall study habits. EduWeb Quizlet offers several advantages that make it a valuable educational resource. One of its key features is the variety of interactive games and audiovisual media available to support the learning process. These tools provide a dynamic and engaging way for students to interact with the material, making learning more enjoyable and effective. Additionally, Quizlet supports a wide range of languages, including English, Spanish, French, Italian, German, Russian, Japanese, Chinese, Korean, and Latin. In total, the platform accommodates approximately 145 languages worldwide, including Indonesian. This extensive language support allows students to access learning materials in multiple languages, further enhancing their educational experience.

Students can easily access EduWeb Quizlet through their smartphones via a link provided by the researcher in the WhatsApp group. This accessibility allows students to engage with the platform anytime and anywhere, providing greater flexibility in their learning. The ability to study on-the-go and use digital resources outside of the classroom can significantly enhance students' learning opportunities. Despite its many benefits, EduWeb Quizlet does have some limitations. One of the primary drawbacks is that the platform requires an internet connection to function. This can be a limitation for students who have limited or unreliable internet access, as they may not be able to fully utilize the platform's features. Additionally, while many of Quizlet's features are available for free, some premium features require payment. This may pose a barrier for students

who do not have access to the paid features or who prefer not to make additional financial commitments.

Overall, the advantages of using EduWeb Quizlet in language learning outweigh its limitations. The platform offers a range of interactive and engaging tools that can enhance the learning experience, improve student motivation, and support vocabulary acquisition. By integrating digital media into the curriculum, educators can create a more effective and stimulating learning environment that meets the diverse needs of students and helps them achieve greater proficiency in Mandarin.

CONCLUSION

The research findings indicate that the EduWeb Quizlet platform has a significantly positive impact on students' understanding of Chinese vocabulary. This digital media tool facilitates an enhanced learning experience by providing an engaging and interactive method for students to receive and process material presented by their teachers. Unlike traditional teaching methods, which can sometimes lead to passive learning and student disengagement, EduWeb Quizlet encourages active participation in the classroom. One of the key benefits of using EduWeb Quizlet is its ability to make learning more dynamic and stimulating. Traditional methods of vocabulary instruction can often be monotonous and may not capture students' attention effectively.

In contrast, EduWeb Quizlet introduces various interactive features such as flashcards, quizzes, and games that not only make the learning process more enjoyable but also help maintain students' interest throughout their lessons. This increased engagement is crucial, as it directly impacts students' willingness to participate and their overall attitude toward learning Chinese. The platform's user-friendly interface and diverse range of learning tools allow students to interact with the vocabulary in multiple ways. For example, flashcards can help with memorization by allowing students to review terms repeatedly, while quizzes and games provide a fun and competitive way to test their knowledge. These interactive elements can transform what might otherwise be a dull and repetitive task into an engaging and enjoyable activity. As a result, students are more likely to stay focused and motivated during their lessons, reducing the likelihood of boredom and disengagement.

Based on the findings of this study, it is recommended that educators continue to integrate EduWeb Quizlet into the Chinese language learning process to enhance student engagement. This platform should be consistently used to support vocabulary learning and other language material. To maximize its benefits, teachers should receive

further training on how to effectively utilize the features of EduWeb Quizlet, such as flashcards, quizzes, and games, to make teaching more effective and engaging. Additionally, teaching methods should vary by combining different features according to students' needs and characteristics. For example, varying the difficulty levels in games and quizzes to match students' abilities can make the learning process more tailored. Regular monitoring and evaluation are also essential to assess the effectiveness of EduWeb Quizlet in improving students' vocabulary comprehension, which will serve as a basis for adjusting future teaching strategies. Moreover, the EduWeb Quizlet can be introduced for use in other subjects that require memorization or understanding of basic concepts, such as mathematics or natural sciences. Therefore, EduWeb Quizlet not only improves Chinese vocabulary comprehension but also enriches overall teaching methods, creating a dynamic and engaging learning environment for students.

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