

# THE IMPORTANCE OF QUIZ APPLICATION IN INFORMATION TECHNOLOGY LEARNING MEDIA IN EDUCATION

Fadhila<sup>1</sup>, Putri Nur Shoumi<sup>2</sup>, Abu Yazid Raisal<sup>3</sup>

<sup>\*1,2,3</sup>Universitas Muhammadiyah Sumatera Utara

<sup>\*1</sup>*email: [fadilaputri04012020@gmail.com](mailto:fadilaputri04012020@gmail.com)*

**Abstract:** Quizizz application is one of the technology-based learning media that can increase effectiveness and interactivity in the teaching and learning process, especially in the subject of information technology in education. The use of Quizizz allows students to learn in a more interesting way through interactive quizzes that are dynamically designed and fun. This study aims to examine the importance of utilizing quizizz applications and their impact on student motivation and learning outcomes. The results showed that the quiz application was able to increase student involvement, provide feedback and create a more competitive but still fun learning atmosphere.

**Keywords:** *Quiz Application, Learning Media*

## Introduction

In the ever-evolving digital era, information technology has become an integral part of education. The utilization of technology in learning allows the creation of a more interactive, interesting and effective teaching and learning process. One of the increasingly popular tools in supporting technology-based learning is the Quizizz application.

Quizizz is an interactive quiz-based learning platform that can be used to support the learning process at various levels of education. With interactive and gamification features, this application is able to increase student involvement in learning and strengthen their understanding of the material being taught. In addition, Quizizz makes it easy for educators to arrange learning evaluations in an attractive and efficient manner.

In learning information technology, Quizizz has a strategic role as a medium that supports mastery of material, development of critical thinking skills, and thorough understanding of concepts. This is important considering that learning information technology requires an approach that is able to bridge theory with practice, and encourage students to be active and enthusiastic in the learning process.

Learning media is everything that is used to convey messages to students so that student interest in learning arises and results in a conducive learning atmosphere. Learning media is expected to attract student attention so that it can generate learning motivation and increase student activeness during the learning process so that it has a positive impact on student learning outcomes. During online learning, lecturers have a challenge in order to still be able to create learning that is fun, interesting, active and can still achieve learning objectives. According to (Pusparani, 2020)

Quizizz is a platform that can be used as a medium to deliver learning materials in an interesting and fun way. In addition, this application also functions as a tool for conducting learning evaluations. Quizizz has features. The app allows students to compete with each other, which can motivate them to be more active during the learning process. students can take quizzes simultaneously in class and see their rankings directly on the scoreboard. Meanwhile, lecturers can play the quiz as well as download the results after completion to

assess student performance. By using Quizizz, students' interest in learning can be increased, while helping them to focus more. According to (Irwan, 2019)

Many factors can trigger student interest in learning, one of which is the learning media used by educators during the teaching and learning process. If an educator only relies on one type of media or even does not use media at all, this tends to make students feel bored. Especially in the current era, almost all students have cellphones, and most schools/campuses have allowed students to bring cellphones to the school/campus environment (Hariani, 2021)

Therefore, this study aims to evaluate how important the quiz application is in information technology learning media in education. (Fadly, 2022)

## Literature Review

### 1. Understanding Quizizz

By utilizing multi-player activities in online classes, Quizizz functions as a game-based tool that can increase student participation. Quizizz is run through a computer device, which provides various information in the form of computer-assisted interactive learning, hypertext, web-based learning, and learning support applications. This type of media is known as computer-based media.

2. The use of Quizizz media provides various important benefits. This application not only functions as a learning platform, but also as a game-based educational game. In its implementation, Quizizz offers a multiplayer game mode that creates an interactive and fun learning atmosphere. Various features such as avatars, themes, and entertainment music add to the appeal of the learning process. The specialty of Quizizz lies in its ability to make the learning space more interactive. However, when the quiz is carried out, there are often students who do not understand how to use Quizizz so they ask for help from their teachers or classmates. In its implementation, Quizizz offers a multiplayer game mode that creates an interactive and fun learning atmosphere. Various features such as avatars, themes, and entertainment music add to the appeal of the learning process. The specialty of Quizizz lies in its ability to make the learning space more interactive. However, when the quiz is carried out, there are often students who do not understand how to use Quizizz so they ask for help from their teachers or classmates (Nurfadillah, 2022)

This media has several advantages, including:

- a. Students can directly access their evaluation results.
- b. To minimize conditions, each student is given a different set of questions.
- c. Students can find out the right and wrong answers.
- d. Facilitate the learning process: Quizizz makes it easier for students to learn by allowing them to practice filling out questionnaires online.
- e. Accelerate understanding: Quizizz helps students understand the material faster because the results and errors can be seen immediately.
- f. Clarify concepts: Quizizz provides clarity of concepts through discussions provided by Lecturers regarding student errors.

## Method

This study shows that the use of Quizizz can increase student activity, understanding, and accuracy, so that their learning outcomes also increase.

The method used is a descriptive qualitative method which is to describe the use of the Quiz application as a learning evaluation media. In this study, data was collected using various techniques such as observation, documentation study, then analyzed to understand

the impact of Quiziz on enthusiasm, active participation and independent understanding of students. According to (Sugiyono, 2014) in qualitative research the main instrument is the researcher himself but after the focus of the research is clearly stated it is possible to develop simple research instruments such as observation and documentation studies.

This method is used to measure the effect of using the Quiziz application on student learning outcomes.

## Results and Discussion

### Results

The results of this study, it was found that the Quiziz media that can be downloaded on the Playstore or explored via the quiziz.com website has various features as follows.

1. Student-Paced, where questions in the quiz will appear on the screen of each student's cellphone, allowing them to answer questions at their own pace and review the answers that have been given

2. Quizizz can be played on any browser, on smartphones, PCs, laptops, tablets, and other devices that can run iOS / Mac, Android, Windows or Linux operating systems. Quizizz is also presented in the form of an application on iOS and Android, besides that it can be accessed using a browser.

3. There are thousands of quizzes available, which can be used by lecturers to train their students. In addition, students can also search for their own quizzes

4. Quiz Editor, Quizizz has a very good quiz editor. Users are facilitated to upload images or other media to the questions they create, can take questions from existing quizzes, and save questions automatically. (Dermawan, 2024)

(Mulyati, 2020 ) Mentioning that quiziz has various characteristics used in the game such as memes, avatars, themes, and game music. Quiziz also has a leaderboard feature that is used to show rankings during the game, these features make students interested and motivated in completing the questions correctly. Based on the description, it can be concluded that the quiziz application has complete and flexible features. This can make it easier for students to

work on questions anywhere and anytime. The results of this study indicate that there is an increase in student learning outcomes using Quiziz media as an application for learning evaluation activities. The increase in student learning outcomes shows that students' understanding of the subject matter has increased. This shows that the use of quiziz media as an application for learning evaluation activities is declared effective and efficient to use.

(Fazriyah, 2020) Mentioning that the implementation of Quiziz as a mobile learning application can improve lecturers' teaching skills, then when the application is implemented at a higher level, it makes students more enthusiastic about learning and makes it easier for lecturers to evaluate their students. The Quiziz media as a learning evaluation application is declared effective because it can improve student learning outcomes and understanding of material. The media is declared efficient because it saves practical paper use by lecturers and students.

### Discussion

Quizizz is an online application-based learning platform that provides features in the form of games, quizzes, surveys, and discussions. Learning materials in this application are presented in the form of interactive questions with various themes covering various levels of education and subjects. The content of the material can be designed directly by educators. In order to improve the quality of national education, teachers and lecturers need to be able to adapt to changes in the times, developments in science, and technological advances.

The government is expected to encourage equal distribution of learning facilities to withstand challenges in the current education process. However, by realizing the limitations of the government, educators in Indonesia, both teachers and lecturers, are required to be creative and innovative in creating interesting and easy-to-understand learning. Therefore, they need to develop varied learning strategies, both in terms of materials and facilities. Currently, many activities are carried out online or offline. Therefore, technology-based learning media has a very important role in supporting the smooth teaching and learning process. The selection of appropriate learning media is a key factor in determining the success of education. Learning media functions as a means to convey learning messages from teachers to students.

Quizizz is an application that functions as a learning medium that supports the continuity of the teaching and learning process, especially during the present time. Because it is online/offline based, this application is easy to use as long as there is adequate internet access. In addition to being a learning tool, Quizizz can also be used as an evaluation material. This application provides data and statistical analysis on student performance, which can show their level of understanding of the material. This information can be a benchmark in understanding the entire learning process. The superior features of this application provide innovation in evaluation and create a fun learning pattern for students.

With a fresh appearance and various features, Quizizz offers various tools that can be used by teachers, for example to give assignments or homework. In the learning process, students do not feel too burdened because the format of this application is designed like a game. The creative, innovative, adventurous, and fun elements in it can generate positive learning motivation. Thus, Quizizz contributes to realizing educational goals evenly and concretely (s, 2020)

In the context of educational information technology, the use of Quizizz as a learning medium offers an innovative and fun approach. With various features such as multiple choice, essays, and other interactive questions, Quizizz allows Lecturers to deliver materials in a more interesting and easily understood way by Students. In addition, the ability to customize quizzes to the needs of specific learning materials makes Quizizz a flexible and effective tool in the educational process.

Overall, the integration of the Quizizz application in information technology learning media can increase the effectiveness of the teaching and learning process, motivate students, and produce a better understanding of the material being taught.

## Conclusion

The Quizizz application plays an important role in information technology in education because it provides an interactive and fun platform for the teaching and learning process.

**Increase Student Engagement:** Quizizz allows students to learn in a more interesting and interactive way. With gamification features, students can learn while playing, which increases their engagement in learning.

**Quick Learning Evaluation:** Lecturers can create quizzes easily and get feedback

Overall, Quizizz supports the development of more modern learning and utilizes information technology to make the educational process more effective, interesting, and relevant.

## Bibliography

- Dermawan, D. A. (2024). Pembelajaran Matematika Melalui Media Game Quiziz Untuk Meningkatkan Hasil Belajar Siswa. *Journal Of Education*, 381-390.
- Fazriyah, N. (2020). Pelatihan aplikasi pembelajaran Quiziz Di sekolah dasar kota bandung . *penelitian dan pengabdian* , 199 - 204.

- Hariani, P. &. (2021). Analisis Model Pembelajaran Kooperatif Tipe STAD Dengan Media Pembelajaran Terhadap Minat Belajar. *Jurnal Pendidikan Informasi*, 38 - 49.
- Irwan, I. L. (2019). Efektivitas Penggunaan Kahoot Untuk Meningkatkan Hasil Belajar Siswa, *Pedagogia. Jurnal Pendidikan*, 95-104.
- Mulyati, S. D. (2020 ). Pembelajaran informasi melalui media game quiziz untuk meningkatkan hasil belajar siswa. *Jurnal Tunas Nusantara*.
- Nurfadillah, S. (2022). Media Guiziz dan pengaruhnya terhadap hasil belajar sejarah di SMAN 10 Jakarta. *Journal of Indonesian History and Education* , No 3.
- Pusparani, H. (2020). Media Quiziz Sebagai Aplikasi Evaluasi Pembelajaran Keals VI di Sdn Guntur Kota Cirebon. *Tunas Nusantara*, 269–279.
- s, N. (2020). penggunaan Quiziz dalam penilaian pembelajaran pada materi ruang lingkup biologi untuk meningkatkan hasil belajar . *jurnal pendidikan hayati* , 1-7.
- Sugiyono. (2014). *Metode Penelitian Kuantitatif Kualitatif*. Alfabeta.
- Fadly, M. F. (2022). Persepsi Siswa Terhadap Pemanfaatan Kahoot Dan Quizizz Dalam Pembelajaran Di Kelas IV Sekolah Dasa.