
The Importance of Interactive Learning in Elementary Schools: A Literature Review on Student Engagement

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Abstract:

Objective: This study aims to examine the importance of interactive learning in enhancing student engagement in elementary schools through a literature review approach. This study also aims to identify the role of interactive learning strategies and media in improving students' behavioral, emotional, and cognitive engagement during the learning process.

Method: This study employed a literature review method by analyzing various relevant scientific articles published in indexed national journals from 2020 to 2025. Data were collected through the processes of identification, selection, analysis, and synthesis of studies related to interactive learning and student engagement in elementary schools. The articles were obtained from Google Scholar and SINTA-indexed journals using keywords such as interactive learning, student engagement, educational technology, and elementary school.

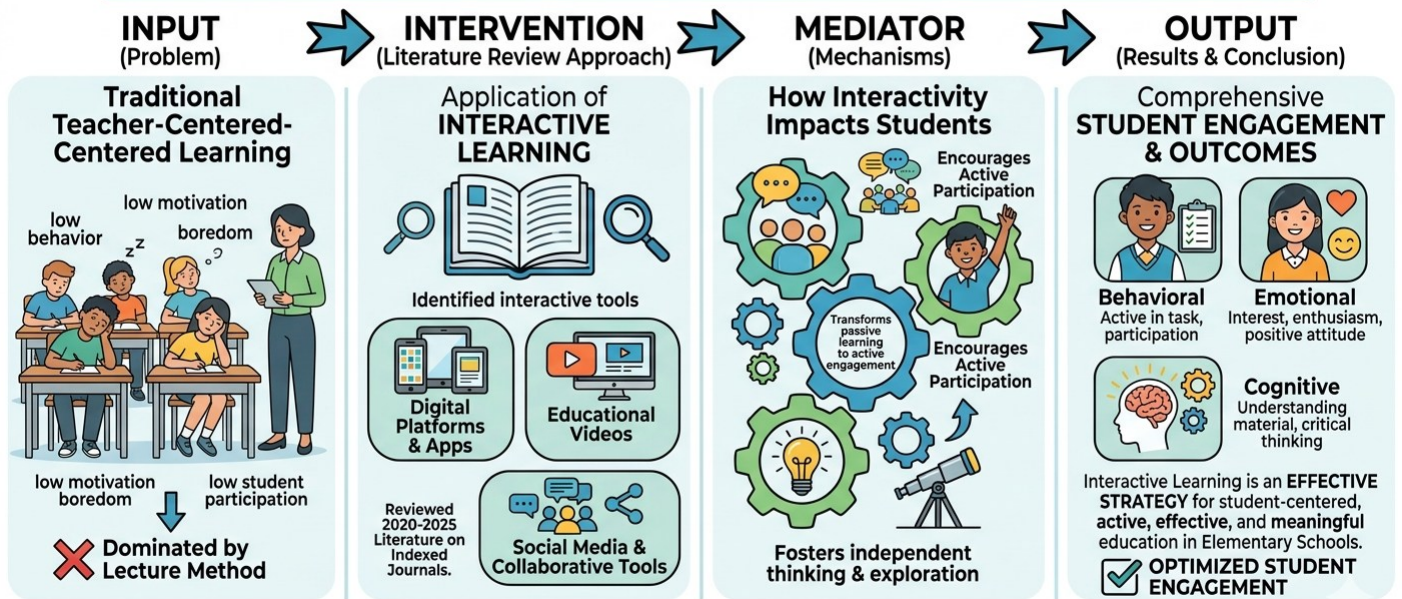
Result: The findings revealed that interactive learning plays a significant role in enhancing student engagement in various aspects of learning. The use of interactive media such as learning videos, digital platforms, social media, learning applications, and interactive e-books has been proven to increase students' participation, attention, motivation, collaboration, and understanding of learning materials. In addition, interactive learning creates a more engaging, active, and student-centered learning environment.

Conclusion: Interactive learning plays an important role in improving the quality of the learning process and student engagement in elementary schools. Therefore, teachers are expected to integrate various interactive media and technology-based learning strategies to create active, meaningful, and effective learning experiences for students.

Keywords: Educational Media, Educational Technology, Elementary School, Interactive Learning, Student Engagement

Graphical Abstract

GRAPHICAL ABSTRACT: The Importance of Interactive Learning on Elementary School Student Engagement



TRANSFORMING ELEMENTARY LEARNING THROUGH INTERACTIVE MEDIA & TECHNOLOGY



1 Introduction

Education in elementary school is a very important initial stage in shaping the abilities and character of students. At this stage, students begin to develop the ability to think, interact, and build an interest in learning that will affect their educational process in the future. Therefore, the learning process in elementary school needs to be designed effectively and attractively so that students can be actively involved in learning activities (Wulandari et al., 2026).

An effective learning process is one of the important factors in achieving educational goals in elementary school. At this level, students are at the initial stage of development in building knowledge, skills, and attitudes that will be the basis for the learning process at the next stage of education. Therefore, learning in elementary school needs to be designed in an attractive, active, and meaningful way so that students can be optimally involved in the learning process. Learning that actively involves students has been proven to be able to improve students' understanding of concepts and learning outcomes compared to passive learning (Siabbat et al., 2024). However, in practice, the learning process in the classroom is still often dominated by a teacher-centered approach. In conventional learning, teachers are the main source of information while students only act as receivers of information. This condition causes students to be less effectively involved in learning activities so that the level of student participation is low. Some studies have shown that learning that relies only on lecture methods tends to make students less active and less motivated in participating in learning (Aini et al., 2025; Rosa et al., 2023).

In addition, the characteristics of elementary school students who tend to be active and have high curiosity demand more interesting and varied learning. If the learning process takes place in a monotonous and less creative manner, students will feel bored more easily so that their attention to the learning material will be reduced. This condition can have an impact on low student involvement in the learning process and a decrease in understanding of the material being studied (Putri et al., 2025).

One approach that can be used to overcome these problems is to apply interactive learning. Interactive learning emphasizes interaction between teachers and students as well as between students during the learning process. Through activities such as discussions, the use of digital media, educational games, and various other collaborative activities, students can be actively involved in the learning process. Various studies show that the application of interactive learning can increase student participation, motivation, and involvement in learning activities in elementary school (Faridah et al., 2024; N. S. Maziyah et al., 2025). In addition, the use of interactive learning media such as multimedia, learning videos, digital teaching materials, and

interactive e-books has also been proven to increase students' motivation and understanding of learning materials. Interactive learning media is able to create a more interesting learning atmosphere and help students focus more on following the learning process. Thus, the application of interactive learning can be one of the effective strategies to increase student involvement in learning in elementary school (Maula et al., 2025).

Based on this description, it can be seen that interactive learning has an important role in increasing student involvement in the learning process. Therefore, this study aims to examine various results of previous research related to the application of interactive learning in increasing student involvement in learning in elementary schools through literature studies.

2 Method

This study uses a literature review method to examine various research results related to the importance of interactive learning in increasing student involvement in elementary school. Literature study is a research method that is carried out by collecting, studying, and analyzing various relevant scientific sources in order to obtain a comprehensive understanding of a research topic. This method was chosen because it allows researchers to obtain a comprehensive picture of the development of scientific studies in a field in a structured and replicable manner (Snyder, 2019). Through this method, researchers can identify concepts, findings, and research developments related to interactive learning and its impact on student engagement. The data in this study was obtained through searching scientific articles in national journals indexed by SINTA and Google Scholar with the range of 2020–2025, using keywords such as *Interactive Learning*, *Student Engagement*, *student engagement*, and *Elementary School*. The selected articles are then selected based on certain criteria, namely articles that discuss interactive learning at the elementary school level and are related to student involvement in the learning process (Intan Qurrota Aini, Noraziza, Aidatin Nufus, Khalida Nabila Agustin, Ahmad Suriansyah, 2021; Nabillah Putri Handayani, 2024)

Literature analysis is carried out through several stages, namely identification, selection, analysis, and synthesis of data from various relevant research sources. At the identification stage, the researcher collects various articles related to the research topic. The selection stage is carried out by reviewing the suitability of the title, abstract, and content of the article with a focus on research studies. After that, the analysis stage is carried out by examining the main findings of each study related to the application of interactive learning and its influence on student engagement in elementary school. The last stage, namely data synthesis, is carried out by combining various research results to obtain more comprehensive conclusions about the role of interactive learning in increasing student participation, motivation, and activeness in learning

activities (Rosa et al., 2023).

3 Results

In this study, the author conducted a literature study by reviewing several relevant scientific journals related to interactive learning in elementary schools. The journals were selected based on the suitability of the topic, namely student involvement, the use of interactive media, and the use of technology in the learning process.

No	Author's Name and Year	Research Title	Research Methods	Research Results
1.	Faridah et al., 2024	Student Engagement through Interactive Learning Methods and Innovative Assessment Techniques in Elementary Schools	Bibliometrik Analysis	The results of the study show that the use of interactive learning methods and video-based media can increase student involvement in the learning process.
2.	Maziyah et al., 2025	Interactive Learning through Social Media Platforms in Elementary School Students	Descriptive qualitative	Interactive learning through social media can encourage student communication and collaboration so that students are more active in the learning process.
3.	Farazwati, 2025	Student Engagement in Digital Platform-Based Learning in Elementary Schools	Case study	The use of interactive digital platforms can increase students' behavioral, emotional, and cognitive involvement in learning.
4.	Siregar, et al., 2024	The Utilization of Interactive Learning Videos in Increasing Elementary School Students' Learning Engagement	Study literature	Interactive learning videos have been proven to help students focus more and increase learning engagement.
5.	Handayani, R., 2023	The Influence of Interactive Learning Media on Student Learning Outcomes in Elementary School	Literature studies (PRISMA)	Interactive learning media has a positive influence on learning outcomes and student participation in learning.
6.	Maziyah et al., 2024	Interactive Learning in Improving the Learning Motivation	Descriptive qualitative	Interactive learning can increase students' motivation to learn and

		of Elementary School Students		make the learning process more interesting.
7.	Aini et al., 2025	Increasing Student Engagement with Technology as an Interactive Learning Tool	Literature and observation studies	The use of technology such as learning applications, videos, and simulations can increase student participation and engagement in the classroom.

Based on the results of literature studies that have been conducted on various studies related to interactive learning in elementary schools, it was found that interactive learning has a very significant role in increasing student involvement. The involvement includes the behavioral, emotional, and cognitive aspects of students during the learning process.

Interactive learning that utilizes various media such as learning videos, digital platforms, social media, and learning applications has been proven to be able to create a more interesting and less monotonous learning atmosphere. This has an impact on increasing student attention, active participation in learning activities, and students' ability to understand learning materials better (Sembiring et. al., 2025).

In addition, the use of technology in interactive learning also provides space for students to collaborate, communicate, and explore knowledge independently. Students not only act as recipients of information, but also as active subjects in the learning process. The results of the study also show that interactive learning contributes to increasing students' learning motivation. When students feel interested and directly involved, they tend to be more enthusiastic about participating in learning, thus having a positive impact on learning outcomes.

4 Discussion

Based on the results of the literature study that has been presented in the table, it can be seen that interactive learning has a significant contribution in increasing student involvement in elementary school. This involvement is not only seen from the students' activeness in participating in learning, but also includes aspects of communication, motivation, and material understanding.

Research results by Faridah et al (2024) shows that the application of interactive learning methods combined with video-based media can increase student involvement more optimally. This is because the use of interactive media can create a more interesting learning atmosphere and encourage students to actively participate in the learning process. These findings are in line with research (Siregar, 2025) which states that interactive learning videos are able to help

students focus more and increase learning engagement through the presentation of more concrete and easy-to-understand material.

In addition, the use of digital platforms in learning has also been proven to have a positive impact on student engagement. (Farazwati et al., 2025) revealed that the integration of digital platforms such as interactive learning applications is able to increase student engagement on behavioral, emotional, and cognitive aspects. Students become more active, show higher interest, and engage in the thought process during learning. This shows that technology can be an effective means of creating student-centered learning.

In line with this, (Maziyah et al., 2025) It was also found that interactive learning through social media was able to improve communication and collaboration between students. The interaction that occurs during the learning process makes students more active and involved in discussions, so that learning becomes more meaningful. With this interaction, students not only receive information, but also play an active role in the learning process.

On the other hand, the use of interactive learning media also affects student learning outcomes. (Handayani, R., 2023) stating that interactive media has a positive impact on improving learning outcomes and student participation in learning. This shows that high involvement in the learning process contributes directly to the achievement of better learning outcomes.

Not only that, interactive learning is also able to increase students' motivation to learn. Explaining that learning that is designed interactively can create a more enjoyable learning atmosphere, so that students become more enthusiastic about participating in learning. This increased motivation then has an impact on students' activeness during the learning process.

Furthermore, (Aini et al., 2025) emphasizing that the use of technology such as learning applications, videos, and simulations can increase overall student participation and engagement. Technology provides opportunities for students to learn independently, explore material, and interact more broadly in learning.

Overall, the results of these studies show that interactive learning that utilizes digital media, technology platforms, and collaborative strategies is able to significantly increase student engagement. This engagement includes behavioral, emotional, and cognitive aspects, which ultimately impact increased motivation and student learning outcomes. Therefore, the application of interactive learning is very important to continue to be developed in the learning process in elementary schools in order to create more active, effective, and meaningful learning.

5 Conclusion

Based on the results of the literature studies that have been conducted, it can be concluded that interactive learning has a very important role in increasing student involvement in elementary school. This involvement is not only seen from the students' activeness in participating in learning, but also includes emotional and cognitive aspects that contribute to the understanding of the material and learning outcomes.

The use of various interactive media such as learning videos, digital platforms, social media, and learning applications has proven to be able to create a more interesting and varied learning atmosphere. This encourages students to be more focused, actively participate, and have higher motivation to learn. In addition, interactive learning also provides opportunities for students to collaborate, communicate, and develop independent thinking skills.

Thus, interactive learning can be used as one of the effective strategies in improving the quality of the learning process in elementary schools. Therefore, teachers are expected to be able to design and implement learning that makes optimal use of media and technology so that student involvement can be improved comprehensively.

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