

Research Article

Aisyatul Jannah^{1*}, Shokhibul Arifin², Asrori³

Implementation of Interactive Powerpoint Learning Media on Students' Creative Thinking Skills

Corresponding Author: **Aisyatul Jannah:** University of Muhammadiyah Surabaya, Indonesia; aisyatuljannah275@gmail.com

Shokhibul Arifin: University of Muhammadiyah Surabaya, Indonesia; shokhibularifin@um-surabaya.ac.id

Asrori: University of Muhammadiyah Surabaya, Indonesia; asrori@fai.um-surabaya.ac.id

DOI: <https://doi.org/10.54443/ijedl.v2i1.208>

Abstract: This study aims to determine how interactive PowerPoint learning media can improve students' creative thinking skills at SDN 2 Bulus Tulungagung. Using a qualitative approach and descriptive analysis, the study involved 11 grade 6 students. The results showed that the use of interactive PowerPoint media effectively enhanced students' creative thinking skills, as seen from the indicators of fluency, flexibility, originality, and detail. Students who were previously less active in conventional learning exhibited increased motivation and participation after using this media. The use of this media also contributed to creating a more engaging and enjoyable learning environment, which motivated students to be more enthusiastic in participating. Based on these findings, it can be concluded that interactive PowerPoint media is effective in supporting the development of students' creative thinking skills and can be used as an innovative alternative learning tool in primary education.

Keywords: Learning Media, Interactive PowerPoint, Creative Thinking Skills, Student Learning, Primary Education.

Introduction

Schools are educational institutions centered on improving student intelligence and behavior. Schools are used as a place for implementing formal education from an early age which provides opportunities for students to increase their potential, talents, and interests through the learning process, learning can be said to be an activity to increase intelligence, knowledge, and change behavior (Putri & Nurafni, 2021). Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential (Rahman et al., 2022) the quality of education determines the quality of the nation (Sulistyaningrum et al., 2023) increasingly developing in this global era, a creative generation must develop learning.

Education is a very important obligation in human life (Jannah et al., 2021) through education humans will gain the knowledge skills, and character that are needed to face life's challenges and contribute positively to society, besides that education encourages innovation and

technological advances that are important for global development. Education is a form of effort to encourage active learning to increase the potential of each student (Anindya, 2023) the task of education is to help individuals who already have potential from birth to develop it further (S. Wulandari et al., 2022), improve the quality of life, through education, students can have increased skills and knowledge for their quality of life.

Indonesia's education system has undergone many changes over time. These changes are reflected in better educational rules and standards, such as the use of interactive PowerPoint. Students see active learning when they participate in classroom activities. They seek knowledge, skills, and understanding from the interactive PowerPoint. Creative thinking means transforming an existing idea into something new. For example, a new idea is created by combining two existing ideas. Creativity or inventiveness arises when people use their imagination to come up with new ideas, which leads to the advancement of science and technology. Teaching

methods that encourage students' creative thinking are essential because children's creativity is very high (Marbella et al., 2023).

Interactive learning can help students know the material more easily. (Gulo & Harefa, 2022) Interactive media also can create a more interesting learning experience, and fun and creative thinking, so that it can increase student learning motivation. In this context, improving the learning process requires attractive media to motivate and increase student interest in educational activities in the classroom. Microsoft PowerPoint is software that helps create effective, professional, and simple presentations. PowerPoint media makes it easy for us to design various amazing lesson presentation materials using text, photos, animations, videos, and attractive designs. By using PowerPoint in presenting material, students will be more interested and easier to understand learning (Dila Rukmi Octaviana et al., 2022)

Creative thinking skills are essential for innovation. Creative thinking helps learners develop many ideas, as well as ask various questions. Students with creative thinking skills will have an innovative mindset, better retention, optimal learning outcomes, and be able to think divergently. In other words, students with creative thinking skills have a higher mindset and catchiness than students who do not have these skills ('Adiilah & Haryanti, 2023) One of the efforts that can be made to increase students' learning activities is to use a learning model (Wanggi et al., 2023) by using interactive PowerPoint methods can develop higher-level thinking skills, especially creative thinking skills.

A teacher must have more abilities when learning takes place the teacher not only conveys lessons to students, but teachers are required to always be able to develop communication with students. The success of learning when it affects the activeness in the learning process. Learning methods are important procedures for teachers in delivering and

improving the quality of learning to achieve learning objectives, among the learning methods that can encourage students to further improve students' creative thinking skills, namely teachers applying interactive PowerPoint learning media (Arifin et al., 2023). The use of learning media by teachers must be adjusted to the material and learning strategy. Media can be a means for students to learn because they can get new information and knowledge, increasing their insight. Interactive PowerPoint learning media can replace the role of educators as providers of information and knowledge. It is expected that the use of learning media will have a positive effect because it is expected to increase students' motivation and interest in learning (Puspitasari et al., 2023).

In remote schools, there are still many teachers who choose to teach conventionally. Teachers more often use the lecture method and use the blackboard to explain learning. In learning activities in the classroom, the teacher only gives questions related to the learning material, and only a few students are eager to answer questions about the learning material. To help students change their mindset and make efforts to make the learning process more interesting, teachers can use various types of media to support the learning process to optimize the learning process for students. (Gulo & Harefa, 2022) One of them uses PowerPoint media, power points are attractive media to increase attractiveness, facilitate understanding, encourage students to think creatively, and foster students' enthusiasm for learning. This research is related to increasing student learning activities through interactive learning media based on PowerPoint. Learning activities involve students in the learning process, where they try to actively ask the teacher or friends, as well as questioning and giving opinions about a lesson that has not been understood. A teacher must have innovation in carrying out the learning process for students.

Based on the above problems, it can be improved by applying learning media in the form of Interactive PowerPoint, first so that students can stimulate students' ideas and interest in learning. The application of interactive PowerPoint media also helps teachers to be able to organize material in a more interesting and creative format, by using interactive PowerPoints teachers can meet student learning needs such as, visual, auditory, etc. allowing teachers to reach students more effectively. Finally, increased student interest in learning increases material understanding because the use of PowerPoint learning media allows the delivery of lessons to be more concise and easier to understand, this helps students to understand the material well which is the basis for creative thinking.

Literature Review

The Role of Educational Media in Enhancing Learning

In modern education, technology has become a vital tool for enhancing learning outcomes. The use of learning media is recognized as an effective way to facilitate better understanding and engage students actively in the learning process (Wulandari et al., 2023). One widely used tool is PowerPoint, which, when enhanced with interactivity, can significantly improve the learning experience (Dila Rukmi Octaviana et al., 2022). Interactive PowerPoint allows educators to integrate various multimedia elements—such as text, audio, video, and animations—which make lessons more engaging and can help foster better learning environments.

The Importance of Creative Thinking in Education

Creative thinking is a critical skill in today's education, especially as students face an ever-changing global landscape. Creative thinking involves the ability to generate original ideas, solve problems innovatively, and adapt to

various challenges (Marbella et al., 2023). Torrance (1966) highlighted four key indicators of creative thinking: fluency, flexibility, originality, and elaboration. These indicators are essential for measuring students' creative capacity. Research supports that creative thinking is not only beneficial in academic achievement but also plays a vital role in personal development ('Adiilah & Haryanti, 2023).

Interactive PowerPoint and Its Effectiveness in Learning

Interactive PowerPoint presentations have been found to improve student engagement and creativity. According to Gulo & Harefa (2022), such media effectively enhances students' ability to grasp and retain information while making learning more enjoyable. This is supported by findings from Amalida & Halimah (2023), who suggest that the incorporation of multimedia into PowerPoint presentations can stimulate students' creativity by providing diverse ways to process information. The interactive features—such as embedded videos, quizzes, and animations—encourage students to actively engage with the content, thus improving motivation and participation (Puspitasari et al., 2023).

Creative Thinking and Student Engagement

The development of creative thinking is closely linked to the teaching methods employed in the classroom. Wanggi et al. (2023) found that learning models like interactive PowerPoint could significantly improve students' creative thinking by encouraging them to explore multiple solutions and think outside the box. This model supports the notion that creativity thrives in an environment where students are encouraged to ask questions, express their thoughts, and work collaboratively (Marbella et al., 2023). Using interactive media allows for more dynamic interactions, which is crucial for students' creativity (Sarwandi et al., 2023).

PowerPoint as a Tool for Engaging Learning

Interactive PowerPoint is not just a tool for presenting content but also a medium for active learning. According to research by Amalida & Halimah (2023), such tools make it easier for students to retain information by presenting content in varied formats that cater to different learning styles (visual, auditory, kinesthetic). This approach aligns with the findings of Widyardi et al. (2023), who observed that students are more engaged and focused when learning with interactive PowerPoint presentations compared to traditional lecture methods. Interactive PowerPoint is a valuable asset for teachers, allowing them to deliver lessons in a more creative and accessible manner, thus enhancing both the teaching process and students' understanding.

Method

This research was conducted using a qualitative approach with a descriptive type of analysis. Qualitative research is descriptive research that describes and describes the events under study. Qualitative research is a research technique that uses words to explain a problem or phenomenon that occurs in research (Waruwu, 2023). According to (Sari & Nazib, 2023) Qualitative research also aims to gain a deeper understanding of phenomena through descriptive interpretation and analysis. In other words, qualitative research can explain, frame, describe, and answer the problems to be studied in more detail and detail. The purpose of this descriptive qualitative research is to produce a comprehensive understanding of the phenomenon under study in the classroom and to improve the teaching profession so that student learning outcomes increase (Millah et al., 2023).

Researchers were present directly in the field at the research location at SDN 2 Bulus Tulungagung The subjects in this study were 6th-grade students of SDN 2 Bulus Tulungagung East

Java with a total of 11 students. The object of this study is for students' creative thinking skills using interactive PowerPoint learning media. In the even semester of the 2024 academic year. The research began on August 2023 to September 2023 there were 11 students with 7 males and 4 females.

Results and Discussion

Implementation of Interactive PowerPoint Learning Media to Students' Creative Thinking Skills

The use of interactive PowerPoint learning media greatly helps the effectiveness of the learning process and the delivery of messages and the content of learning materials (A. P. Wulandari et al., 2023). Teaching media plays an important role in helping students understand knowledge deeply and accurately, and develop their thinking skills. Instructional aids, as applied in the teaching process, are very influential in arousing students' interest and motivation to learn. In modern teaching theory, teaching aids help teachers and students at each stage of completing thinking tasks, such as, at the stage of posing problems and transferring knowledge, teaching media acts as a support for teachers in creating challenging situations, attracting students' interest, and arousing their motivation to be active in the learning process (Saleh & Syahrudin, 2023).

Interactive PowerPoint learning media is one of the effective methods to improve the quality of learning. With elements such as text, images, audio, video, and animation, it creates a more engaging learning experience. Students become more motivated and actively engaged, which improves understanding and retention of the material. In addition, this media allows teachers to deliver material creatively and innovatively, making the teaching and learning process more effective and enjoyable (Sarwandi et al., 2023). Beauty, attractiveness, and interactivity in learning media serve as a way to

prevent student boredom during lessons. The biggest effect expected is to increase student motivation, and ease of understanding the subject matter and help students to think creatively in answering or solving a material (Amalida & Halimah, 2023).

The implementation of Islamic religious education learning takes place for 2x35 minutes each meeting, there are three steps taken, including introduction, core activities, and closing. The following are the learning steps using interactive PowerPoint media.

Learning begins with the teacher saying greetings, praying together, asking how the students are doing, and continuing by appreciating the students then the teacher displays an interactive PowerPoint, and the teacher conveys the material to be discussed. In delivering the material the teacher uses interactive PowerPoint media to increase understanding, increasing student motivation, increasing student creativity in thinking, and increasing student memory to achieve learning objectives, between slides the teacher shows some interesting video examples about the material and the teacher also explains difficult concepts more visually, the teacher also slips a question and answer session between slides so that students are actively involved.

Furthermore, after the learning is complete, the teacher gives a questionnaire to students, the teacher also explains the purpose of the questionnaire and how the results will be used for the application of the use of interactive PowerPoint media next.

Students' Creative Thinking Results Using Interactive PowerPoint

The results of the observation of the implementation of interactive PowerPoint learning media above, the researchers made conclusions in accordance with the indicators of students' creative thinking according to Torrance, there are four indicators of students' creative

thinking, namely 1) Fluency, 2) Flexibility, 3) Flexibility and 4) Originality. Flexibility, 3) Flexibility, and 4) Originality.

1. Fluency

Fluency is the ability to generate many ideas or answers in a short time when faced with a problem or question. In learning activities taking place while using the lecture method, most students are still confused or unable to provide solutions to answer questions, but after the application of interactive PowerPoint learning media is applied students can provide very creative answers, students are also able to provide various solutions in questions that are even somewhat difficult though, not only that after applying interactive PowerPoint media students can ask questions that dig deeper into the learning theme being discussed.

2. Flexibility

Flexibility is the ability to move from one idea to another easily and provide multiple perspectives or approaches to a problem. Interactive PowerPoint media plays an important role in helping students to develop ideas that are split within students. Students can also demonstrate the ability to look for alternatives or different approaches to solving a problem in filling out the questionnaire students can answer questions by the appearance of the PowerPoint presentation.

3. Originality

Originality is the ability to generate unique and new ideas. Interactive PowerPoint media helps students to come up with ideas or ideas that are unique and relatively new. After completing the learning using interactive PowerPoint media and answering the questions in the questionnaire, students begin to get used to thinking creatively as students are not afraid to ask questions and provide solutions or answers to the same questions, for example when students are asked about the material discussed using

interactive PowerPoint, students can provide more than one answer, which is different but not out of the context of the material taught.

4. Elaboration

Elaboration is the ability to develop ideas in detail and provide a detailed explanation of how a solution can be applied. This includes specific steps in solving the problem. By applying interactive PowerPoint media students can detail the steps needed to achieve a solution or in solving a problem. Initially, some students were careless in answering questions and not being able to solve a problem, after applying interactive PowerPoint media students were more enthusiastic about listening to the teacher's explanation so that students were able to analyze a problem in depth and were able to provide a comprehensive explanation.

Based on the results of the study, it can be seen that the use of interactive PowerPoint media can improve student learning outcomes and increase student creativity. The use of interactive PowerPoint media affects student activity, teacher activity, and student creativity and improves student learning outcomes. With the teacher initially using the lecture method until now applying interactive PowerPoint media, students who initially felt bored and paid less attention to the teacher's explanation are now more active in participating in the learning process. The use of media or props in learning is very effective in helping teachers help students understand the material. The use of media or teaching aids can also improve teacher performance and increase student motivation and learning outcomes (Dila Rukmi Octaviana et al., 2022). Interactive PowerPoint learning media can be used and can solve this research problem because students' interest, focus, and active involvement are low (Hermawan et al., 2024) (Hermawan et al., 2024).

Interactive PowerPoint is a very useful and effective learning media to increase student involvement in the learning process, increase

student creativity when responding to a lesson, and student activeness in the learning process. In addition, by using interactive PowerPoint the teacher is greatly helped to convey the material displayed on each slide and by using interactive PowerPoint media the teacher will more easily prepare the material interestingly, PowerPoint media with its features that can sound and picture, can motivate students to learn and make learning easier for students to understand the lesson (Muhaimin & Ibrahim, 2023). In addition, the study showed that when teachers used learning media to explain the material, students were more interested and not bored listening to the lesson because the slideshow displayed made them focus on the lesson (Widiyardi et al., 2023).

In research using interactive PowerPoint media conducted at SDN 2 Bulus Tulungagung in learning Islam, teachers usually communicate learning through the lecture method and use the blackboard. When the teacher uses interactive PowerPoint media, it can be seen that students are very enthusiastic about following the learning process. Vice versa when the teacher uses learning media with the lecture method and uses the blackboard to convey learning, students are less active and it appears that some are still talking to their friends. Because each student has a different way of understanding the material presented by the teacher, this learning media is very useful for each student. Learning media is also very helpful for teachers because it makes it easier for teachers to convey material to students as they talk to them (Dwi & Irmaningrum, 2024). Based on the information above, teachers should continue to improve their mastery of technology so that students enjoy learning better. They should also pay attention to the use of innovative and creative learning media to attract students during learning (Hermawan et al., 2024).

Conclusion

Based on the results of the research conducted, it can be concluded that the application of interactive PowerPoint learning media has a positive impact on improving students' creative thinking skills at SDN 2 Bulus Tulungagung. The use of this media not only increases students' motivation but also encourages their active participation in the learning process. Students who were previously less engaged in conventional learning showed significant improvement in critical and creative thinking skills after using this media.

Thus, it is recommended that educators integrate interactive learning media more often in teaching and learning activities. This is expected to create a more interesting learning atmosphere and support the development of students' creative thinking skills. In addition, further research is needed to explore the effectiveness of various other types of learning media in improving creative thinking skills among students.

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