

Analysis of Learning Media Use in SD Negeri Bangunjiwo

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Abstract: The success of the learning process is largely determined by the teacher's ability to deliver material and use learning media. Good learning media depends on the availability of facilities and infrastructure in schools, teacher creativity, teacher capacity building, and funding support in making learning media. This study aims to analyze (1) The use of learning media at SD Negeri Bangunjiwo, (2) The obstacles faced by teachers and students during learning using learning media. This research is a descriptive qualitative research using interview and observation data collection techniques. Respondents in this study were the Principal, Low Grade Teacher and Low Grade Students. The results showed that (1) teachers prepare learning media tailored to students' learning styles, (2) obstacles faced when using media are funds, facilities and infrastructure that are less supportive, and different students' knowledge related to learning media. The conclusion of the research is that the use of learning media is proven to improve student learning outcomes. Support from external school parties is needed in providing learning media that can maximize learning activities at school.

Keywords: Learning Media, Elementary School, Learning Outcomes, Students

INTRODUCTION

Improving the quality of schools can be done by educators must have good knowledge, can convey and have an attitude that is an example for students. The skills and experience of educators in training are expected to provide a good contribution to the ability of teachers during learning and managing all components of learning effectively and efficiently. Teachers must know the influence of the use of learning media for their students. Teachers are facilitators and mediators in learning activities. Teachers, especially in elementary schools, are required to be able to plan learning media and be responsible. The goal is to maximize the management and utilization of learning media and efforts to develop knowledge, skills, and attitudes of an educator in improving the quality of their professionalism. The principal, in addition to being a leader in the school, must provide motivation, monitoring, and evaluation of the running of the school program. In this way, it is hoped that it can help achieve common goals and create a conducive school and can motivate teachers to always improve their professionalism in working by developing all components of learning to the maximum, including in the

management and use of learning media (Munisah, 2020).

Initial observations at SD Negeri Bangunjiwo showed that the provision of learning media could not be fully implemented due to cost issues. The availability of facilities and infrastructure that support media is also very necessary in learning, but has not been met optimally. Such as the problem of power outages during learning so that the use of projector media cannot be implemented optimally. Students also have different understandings in the use of media, so teachers must be able to guide students well regarding the use of learning media. Teachers have a very important role in education. The success of students in a learning process is largely determined by how the teacher delivers the material. Learning materials that can be delivered well can improve the quality of learning. To support the learning process, it can be assisted by the use of learning media as an intermediary tool for delivering material. Learning media is useful for improving competence in thinking, analyzing and student skills to achieve learning goals (Hasan et al., 2021). By using learning media, abstract material can be digested and understood by students easily. In addition, students can also be involved in the class so that they can increase

learning independence (Alti et al., 2022). Teachers must also understand how to apply the learning media so that learning materials can be delivered effectively and efficiently. The use of adequate media and facilities is the key for teachers to make learning more effective. If using media and facilities appropriately and innovatively, it is possible that learning will be more enjoyable and meaningful for students (Asrianti in Wijayanti et al., 2024).

Based on this background, this study aims to analyze the use of learning media at Bangunjiwo State Elementary School. The research questions include: (1) How is the use of learning media at Bangunjiwo State Elementary School, (2) What are the obstacles faced by teachers and students during learning using media?

METHODS

1. Research Design

This study uses a qualitative descriptive method. Qualitative research is research that focuses on describing the character of an object. (Abdussamad, 2021: 79). Qualitative research in this study is to analyze the use of learning media in Bangunjiwo State Elementary School.

2. Setting and Participants

The research was conducted at Bangunjiwo State Elementary School. Respondents in this study were the Principal, Teachers, and Lower Grade Students at Bangunjiwo State Elementary School.

3. Data Collection Tools

This study uses observation and interviews for data collection. Observation is an activity of observing a structured human activity that occurs continuously and is natural in nature to produce facts. Observation is done by observing various activities in the school. Observation at Bangunjiwo Elementary School was done directly in order to obtain real information. Interviews are a data collection technique by asking questions and listening to answers from the source directly. The interview instrument was developed based on the following indicators:

(1) How to determine learning media that suits students' needs, (2) Integration of technology in the use of learning media for elementary school students, (3) Teachers' constraints in using certain learning media, (4) Measuring success in using learning media, (5) Ways to improve the quality of learning media, (6) The importance of using appropriate learning media, (7) Challenges faced by schools in preparing effective learning media, (8) Ways for schools to overcome limitations in media use, (9) Preferred learning media, (10) Student understanding, (11) Constraints faced by students. The interview instrument was developed based on the following indicators: (1) Suitability of media to material, (2) Ease of use, (3) Teacher creativity in using learning media, (4) Interactivity of learning media, (5) Effectiveness of learning media.

4. Data Analysis

Interview data was obtained from the results of interviews that had been entered into transcript data. Respondent analysis used the R1, R2, R3 codes used for each respondent. Data analysis used analysis (Miles, Huberman, Saldana, 2014), namely (1) data reduction, (2) data presentation, and (3) drawing conclusions.

FINDINGS AND DISCUSSION

Findings

Observation and interview activities were conducted at SD Negeri Bangunjiwo located in Kasihan District, Bantul Regency. This activity was conducted together with the Class Teacher (R1), Principal (R2), and Students (R3). Interviews were conducted to strengthen the data obtained in the study. The questions asked were of course related to the use of learning media, media preferred by students, challenges and efforts to overcome problems in the use of interactive learning media, and the effectiveness of its use. Based on the results of observations and interviews at Bangunjiwo State Elementary School, the use of learning media has been going well. This is also based on data from interviews conducted with the principal, teachers, and students. The following is Table 1 Interview Results.

Table 1. Interview Result

Respondents	Indicator	Results
R1 (Class Teacher)	How to determine learning media that suits student needs.	The determination of learning media is done by looking at the character of the students first. It is identified according to the student's learning style. Learning style uses audio or visual or audio visual media.
	Integration of technology in the use of learning media for elementary school students.very important, because what we are dealing with are the children of the alpha generation, so teachers must also develop and keep up with the times.
	Teachers' obstacles in using certain learning media.	The obstacles are things like power outages when using a projector, children are not able to understand what the teacher means because children have different levels of understanding.
	Measuring success in using learning media.	Specific measurements have never been carried out, but when comparing the use of learning media, the results are more significant than those who do not use media.
	Ways to improve the quality of learning media. add activities regarding learning communities to improve teacher competence in using learning media. The teacher's hope is to be able to present good resource persons related to learning media.
R2 (Principal)	The importance of using appropriate learning media.	The use of media is very important. The development of the current era certainly makes children increasingly curious about technology and if teachers only deliver material verbally or by reading books, of course students will be bored, so the use of electronic media will make students more interested in following learning.
	The challenges faced by schools in preparing effective learning media.	Cost is a major challenge in providing learning media.
	How schools can overcome limitations in media use.	First, look for learning media that can be used from the school environment or around the house.
R3 (Students)	Preferred learning media.	Prefer to learn using videos.
	Student understanding.	It's easier for me to understand if I study in video form.
	Obstacles faced by students.	If teachers do not use media, it is difficult to understand the learning material.

The use of learning media used by teachers in learning must be adjusted to the needs of students. Teachers must first see the character of students because students have their own learning styles. Student learning styles consist of audio, visual or audio-visual styles. The teacher said that the integration of technology in the use of learning media is very important. Currently, teachers are facing students with the alpha generation whose knowledge of technology is much more advanced, and students have a high curiosity about technology. Teachers must continue to follow the development of the times. The knowledge and skills in the use of learning media obtained by teachers must also be adjusted

to the development of the times. The teacher described that the use of media has obstacles, one of which is the use of technology-based media that requires signals and electricity. Its use sometimes experiences obstacles that will make the use of media ineffective. The different understandings of students are a challenge for teachers in learning. Measurement of success in the use of learning media has never been carried out by teachers. However, the learning outcomes of students using learning media are more optimal than not using learning media. The use of learning media has succeeded in providing a good influence on teaching and learning activities at SD Negeri Bangunjiwo.

The teacher said that increasing the use of learning media needs to be done. This can be done by increasing learning community activities at school. SD Negeri Bangunjiwo already has a learning community and is expected to bring in competent speakers regarding learning media so that teachers' knowledge regarding learning media can increase. This is needed to improve the quality of learning in schools. The principal explained that the use of learning media is very important to support learning activities in elementary schools. The use of technology can provide benefits to students. The use of learning media with concrete or digital media has a significant impact on education. Implementing learning without using media will make students quickly feel bored or less understand the knowledge conveyed by the teacher. For example, in science learning about the shape of leaf veins. Teachers must use media so that students understand the shapes of leaf veins by using concrete media, namely learning directly by observing leaf veins.

The obstacle in providing effective learning media is operational costs. SD Negeri Bangunjiwo already has an LCD projector in

each class that can be used to support learning activities, but in order to maximize its use, maintenance costs are needed. The school also wants to add some teaching aids so that the learning process is more effective and efficient. The principal provides a solution to overcome the limitations in the use of learning media, namely by utilizing the potential that exists in the school environment and teachers to be more creative in maximizing the use of existing media so that learning becomes more meaningful. Students said they prefer learning using videos rather than learning without using media. Videos make students more interested in learning the material presented by the teacher. Videos feature characters that make students more motivated to participate in learning activities. Students also find it easier to use video media because it is easier to use during the learning process. This is because students can see pictures and illustrations of the material without having to imagine it first. Learning without using learning media will make students feel bored more quickly. The use of concrete media will make students understand learning better and make learning more enjoyable.

Table 2. Observation Results

Indicator	Results
Suitability of media to material.	<ol style="list-style-type: none"> 1. The media used supports achieving learning objectives. 2. The media used is appropriate to the level of difficulty of the material being presented. 3. Media relevant to students' needs. 4. Media in accordance with the applicable curriculum. 5. The media focuses on the core material being studied.
Ease of use.	<ol style="list-style-type: none"> 1. The media used is easy for teachers and students. 2. The media uses the facilities available at school. 3. The media is flexible in its use. 4. The tools used are easily accessible.
Teacher creativity in the use of learning media.	<ol style="list-style-type: none"> 1. Teachers use various types of media (visual, audio, concrete). 2. Teachers utilize the potential of the natural environment as a learning medium. 3. Using technology-based media such as LCD projectors. 4. Learning media using games. 5. Teachers create their own learning media.
Interactivity of learning media	<ol style="list-style-type: none"> 1. Students are active in using media. 2. Safe media for students. 3. Teachers and students engage in question and answer sessions. 4. Encourage discussion and collaboration among students.
Effectiveness of learning media	<ol style="list-style-type: none"> 1. The use of media is carried out well. 2. Students can easily understand the material given. 3. Increase student learning motivation. 4. Helping to achieve expected competencies.

The use of media in Bangunjiwo Elementary School supports teachers to achieve

learning objectives, namely knowledge, skills, and attitudes. Teachers use media with an

appropriate level of material difficulty. The media used is relevant and also in accordance with the applicable curriculum. The media used by teachers is easy to use. The school also provides facilities that can be used such as LCD projectors, computer lab rooms. Teacher innovation in selecting learning media materials is creative, utilizing the potential that exists in the school environment, and inviting students to participate in learning media creation projects. The use of media is also interactive. The use of game-based media through projectors makes students enthusiastic to follow the learning process. The use of learning media is quite effective and can be implemented well.

Discussion

Teachers must prepare teaching materials and adjust them to students' learning styles before creating learning media. Dic and Carey in (Mahnun, 2012) states that four factors must be considered in selecting learning media, namely (1) availability of local sources, (2) Requirement of funds, manpower and facilities, (3) Flexibility, practicality and durability over a long period of time, namely whether it can be used anytime and anywhere, (4) Easy to use.

The government is not small in providing information technology investment to complete school facilities. Technology has now developed rapidly and has an impact on human life. Technology also has an impact on the way students learn (Syaifudin, 2021). Technology integration makes learning more interactive and effective. The use of digital tools can facilitate access to information. The use of wider learning resources gives students the opportunity to gain effective knowledge. Technology integration is also beneficial for students to face the world of work in the future. (Saripudin et al., 2024).

The obstacles faced by teachers when using technology-based learning media are when the power goes out, so that learning becomes ineffective. The use of funds is used to complete inadequate learning media facilities. Facilities and funds to support learning needs, especially in the use of learning media, are included in facilities and infrastructure. Complete supporting facilities will make students enthusiastic in the learning process (Adianti et al., 2021).

Teachers can also evaluate the use of learning media. This can be done by identifying the achievement of learning objectives, assessing the abilities of teachers, and providing

information for administration and improving learning media. This evaluation is carried out as a form of increasing effective and interesting learning for students. (Kaniawati et al., 2023)

Improving the quality of learning media is carried out by developing media and learning processes in accordance with the development of the times. The use of quality and appropriate learning media will increase student motivation in learning. The use of the internet and technology can also be used to support learning media. So teachers must create media that is adjusted to the development of the times (Kusumaningtyas et al., 2020: 56). Improving the quality of learning can be done by having a learning community. Another thing that can be done is to bring or attend seminars on learning media to increase teacher knowledge in using learning media.

Learning media is important to achieve learning objectives. Learning media serves to provide real experiences to students. Language has an abstract nature, so tools are needed to clarify the material given by concrete teachers. Learning media is also used as a means of communication and interaction between students and the media. Learning media is useful for facilitating teachers in learning so that they can clarify information and messages so as to improve learning outcomes and provide motivation for students in learning. (Wahid, 2022).

Elementary school students prefer to learn using videos. This is because it is more interesting and easier to understand the material presented by the teacher. Videos are included in audio-visual learning media that contain a collection of images and audio so that they seem alive and store learning messages. The use of animated videos can save time and energy so that teachers do not need to use concrete objects. (Nadia et al., 2021). Based on the research results, learning without using media will make students feel bored quickly and less able to understand the material presented by the teacher. (Wijayanti et al., 2024)

SD Negeri Bangunjiwo has supported the use of learning media. Teachers use learning media that are adjusted to the material and level of learning difficulty. The media used is adjusted to the curriculum used, namely the independent curriculum. The use of media is also made so that students and teachers find it easier to use the media. The value and benefits of using learning

media are determined by the teacher's skills in using the media.(Astriani, 2018). The facilities provided by the school are also good enough to be used. Teachers must also be creative in using learning media that is done by utilizing the potential of the school environment so that it is more effective and efficient. The use of interactive media will allow students to interact directly with the media that will make students active in learning.

CONCLUSION

The use of learning media in SD Negeri Bangunjiwo has provided maximum results. This is proven by teachers by comparing student learning outcomes in learning that uses media and does not use media. Student learning outcomes are more optimal in learning that uses learning media. Teachers can create media that is tailored to students' learning styles. Constraints in using media are related to funds, supporting facilities and infrastructure, and different student knowledge. Teachers must also be creative in utilizing the environment as a medium for learning. External parties to the school can help schools prepare interesting learning media that can support the learning process to be more enjoyable.

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