

Implementation Of Science Learning Using Powtoon Media In Third Grade SDN 002 Pulau Komang Sentajo

Pin Mei Lestari^{a,1,*}, M Jaya Adi Putra^{b,2}

^{a,b}Universitas Riau, Pekanbaru, Indonesia

¹pin.mei2275@student.unri.ac.id, ²jaya.adiputra@lecturer.unri.ac.id

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ABSTRACT: This study aims to determine the process of implementing natural science learning using powtoon media in grade 3 SDN 002 Pulau Komang Sentajo. This research was conducted using a qualitative descriptive research method. In the implementation of this learning, planning and implementation processes are carried out. In planning learning the teacher uses lesson plans and teaching materials in the form of powtoon media with the material "Perubahan Pada Mahkluk Hidup". The implementation process is carried out with the preliminary, core and closing stages. The results found in this study indicate that students feel happy and enthusiastic and interested in the science learning process using powtoon media, besides that students are also increasingly interested in learning. However, the obstacle for teachers in using Powtoon media is in the development of the media. The use of Powtoon media was not carried out by the teacher because of limited knowledge about learning media.

Keywords: *science learning, learning media, powtoon, third grade, elementary school*

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INTRODUCTION

The learning process is an activity carried out to provide changes in student behavior for the better. This activity should be done without pressure and should be fun for students. Fun activities will provide a fresh atmosphere in the classroom, student interactions will look real, students' ideas and courage will grow and the learning process will take place optimally. Educators are figures of change in the application of learning models applied in the classroom. Learning is an activity that aims to change children's behavior by applying models or means of the surrounding environment.

The teaching and learning process at SDN 002 Komang Sentajo Island has used a projector as an aid in learning media, but the teacher has not used this media due to limited knowledge of learning media through projectors, even though the 2013 curriculum system has recommended teachers to teach using media in the form of a projector. visuals and calls for teachers who are still using the teacher center. The purpose of using learning media is to improve students' abilities during learning. The media applied by educational institutions today has not been used optimally, seeing the reality in the field, teachers rarely use educational media in the teaching and learning process in the classroom. Teachers more often use conventional methods, so that the children's learning process is just recording information and students only listen, pay attention and take notes without any other variations, which ultimately get used to not being creative in expressing ideas and effective problem solving will be brought by children. children in everyday life.

Considering that the learning process is currently hampered due to the Covid-19 pandemic that hit Indonesia, schools are temporarily suspended and teachers are encouraged to give lessons from home or online. Of course, there are more and more problems that exist and are burdened by teachers who teach,

for that through the right learning media it can at least help in distributing distance learning or online to their students (Utomo et al., 2021).

One of the learning media solutions that can be used during the pandemic and is an Information Technology-based media, namely Powtoon. Powtoon is an IT-based web application that can be used as a learning medium in which there are interesting features such as features for making presentations or animated videos that can be used easily and attractively (Achmad et al., 2021).

One of the advantages of Powtoon is that it is quite easy to use and does not require special skills because the steps taken are no different from playing ordinary videos on a computer/laptop, vcd player, or dvd player in general (Awalia et al., 2019). In addition, many interesting and funny animation options are already in the Powtoon application so that users no longer need to create animations. The final result of Powtoon in the form of an animated video is quite interactive so that it can attract students' interest to pay attention to the show (Adhkar, 2016).

Based on the explanation above, in view of its importance in terms of education, the researchers conducted research on the Implementation of Science Learning by Using Powtoon Media in Class 3 SDN 002 Komang Sentajo Island. With this media, it is hoped that students will more easily understand the subject matter and at the same time can influence student learning outcomes in the teaching and learning process properly and correctly. As well as learning that was previously boring for students and seemed ordinary, now they can switch roles into learning that is more fun and very touching for students because they are faced with different situations than before so that from this experience students can find new knowledge.

METHOD

The research design used is a qualitative descriptive study. In this study, the authors used descriptive analysis research methods using a qualitative approach where in this study did not use statistical data input so that this study focused more on the results of direct observations and interviews with respondents appointed in this study (Sugiyono, 2015). And see what the implementation of learning using the Powtoon learning media looks like in Class 3 SDN 002 Komang Semtajo Island. This research will be carried out for 3 months after the research proposal is approved. The subjects in this study were grade 3 students and science teachers who taught in these classes.

The data collection technique used in this study was to observe teaching and learning activities carried out in grade 3 SDN 002 Komang Sentajo Island using powtoon media. Further data were also obtained based on the results of interviews with several students as representatives of questions regarding the use of these learning media during the teaching and learning process in order to be used as evaluation material for teachers who teach in the classroom. The data analysis technique used in this research is interactive analysis. Interactive analysis according to Miles and Huberman is data reduction, data presentation, drawing conclusions/verification (Bungin, 2001).

HASIL DAN PEMBAHASAN

Observation and Interviews

From the results of interviews that researchers conducted with science teachers at SDN 002 Pulau Komang Sentajo, he explained that in the process of learning science subjects, audio-visual media were usually used. The learning media is more easily accepted, thus helping students understand and capture the subject matter that the teacher conveys. The use of learning media also helps teachers in delivering subject matter to students. So that it can achieve the learning objectives.

Based on the results of interviews conducted with science subject teachers at SDN 002 Pulau Komang Sentajo, said as follows:

"There is no special preparation, what is clear is that I give an understanding to the students that learning using this powtoon media is the same as learning with other media, but what makes the difference is the application".

From the results of interviews conducted with the teacher in question, the teacher admitted that there was no special preparation in the implementation. In this case the teacher uses powtoon media in its implementation. The use of powtoon as a learning media because it is considered practical and easy to use by teachers and students. In addition, it was quite familiar even before the pandemic there were already many people who downloaded and had this application. In the powtoon application, teachers can develop animation-based videos which can stimulate students to follow the learning process because it looks attractive because it is audio and visual based.

Learning Planning using Powtoon media

In this planning stage, the researcher makes a plan about what actions will be taken by the researcher when the research takes place, precisely the activities that will be carried out by the researcher.

The researcher prepares or makes a Learning Implementation Plan (RPP) that will be used by researchers in conducting a study according to the curriculum used by elementary schools, namely the 2013 curriculum. Furthermore, the RPP that has been made is shown to the science teacher in charge of science subjects to be checked, revised or corrected if necessary. there are shortcomings and then after the science teacher says that the lesson plans that have been prepared are good enough, then proceed with implementing the lesson plans that have been prepared in the science learning process that will be carried out.

Prepare learning media through powtoon media with the material "Changes in Living Creatures" which will be applied or used during science learning takes place. Animated video media in the form of videos containing animated images about the material "Changes in Living Creatures". Which in the video consists of an explanation of the material and some pictures of the growth and development of living things. In learning planning, a teacher must prepare lesson plans, with the lesson plans, the learning process is arranged according to the plan. RPP is a guide or reference in the learning process.

Interview question: how is learning planning using Powtoon media in Class 3 SDN 002 Komang Sentajo Island?

Based on the results of interviews and observations at SDN 002 Komang Sentajo Island, delivered by a science teacher in Class 3 SDN 002 Komang Sentajo Island

"Before doing learning, the teacher's efforts are to prepare an interesting powtoon media that contains the material to be taught, then the preparation of lesson plans is carried out. Learning planning is carried out in 2 meetings in order to achieve improvement in learning. Through this learning improvement, it is expected to improve the quality of learning carried out by learning designers. Learning planning can also be used as a starting point for efforts to improve the quality of learning."

Interview question: How do you respond to learning materials with the material "Changes in Living Creatures" using Powtoon media in Class 3 SDN 002 Komang Sentajo Island?

Based on the results of interviews in learning planning, there are teaching materials in the form of learning media using powtoon media, delivered by a Class 3 science teacher at SDN 002 Komang Sentajo Island:

"In implementing the powtoon media with the material "Changes in Living Creatures" to grade 3 students, it can be said that it has very sophisticated features in terms of appearance and delivery method, so that the powtoon media presented makes the animation unique and has its own charm. Therefore, the animation in the material "Changes in Living Creatures" is in demand or liked by students."

From the results of observations made by researchers in the field, researchers saw that in planning learning the teacher used lesson plans and teaching materials in the form of powtoon media with the material "Changes in Living Creatures".

Implementation of Science Learning Using Powtoon Media

Introduction

Opening learning activities are activities carried out by teachers to create a learning atmosphere that allows students to be mentally prepared to take part in learning activities. The teacher greets first and then leads the prayer before the start of the lesson. After the prayer was finished, the teacher saw that the conditions in the class were not conducive to learning, there were still many students chatting, joking, and not focusing on the subject. Therefore, the teacher does ice breaking which aims to restore sleepiness, boredom and return to enthusiasm for participating in ongoing learning. This was conveyed by the 3rd grade science teacher at SDN 002 Pulau Komang Sentajo stating that:

"In every implementation of learning begins with an introduction with an introduction, students carry out the learning process according to what is listed in the RPP, the form of introduction / opening is in the form of greetings, conducive to the atmosphere in the classroom."

Furthermore, the 3rd grade science teacher at SDN 002 Pulau Komang Sentajo explained:

"The introduction or opening stage can be described by greeting, asking how things are, etc. This is already in the lesson plans and also raises the attention and motivation of students so as to provide an overview of the media or approaches that will be used as well as learning activities that will be carried out by students and relate actual events to new material."

A grade 3 student at SDN 002 Pulau Komang Sentajo stated that:

"Yes...before learning begins the teacher begins the lesson with an introduction. In the introduction there is an opening, greeting, absent, asking students how they are, and showing 1 of our representatives to lead the prayer before learning begins."

From the results of the researcher's observations, it can be concluded that in terms of opinions about the introduction, namely the implementation of learning is a process of learning activities that also play a role in determining the success of student learning, in which there are teacher and student activities and reciprocal communication that takes place in educative situations to achieve goals. With that, it begins with an introduction so that the learning process goes well. The next thing that will be discussed is the method used by the teacher using the powtoon media at SDN 002 Komang Sentajo Island, which can be seen in the results of the following interview with the teacher concerned:

"Currently what we as teachers who teach here can do is by coordinating students, for example in grade 3 the teacher asks students to help what the teacher explains through the powtoon media so that students become more focused".

Based on the answers expressed by the teacher at SDN 002 Pulau Komang Sentajo above, it can be seen that the teacher has made every effort to continue to carry out teaching and learning activities, but it is the conditions that make it hampered and difficult to do in the implementation of the learning.

Core Activities

The core activity is the delivery of learning material from a learning implementation process. In delivering the material "Changes in Living Creatures" using powtoon media. But before that, the teacher asked the students to listen carefully and carefully. Based on the results of observations by a Class 3 science teacher at SDN 002 Pulau Komang Sentajo, it was stated that:

"I started learning by playing material using Powtoon media and carrying out the learning process with prepared materials. All students have very high enthusiasm when the material "Changes in Living Creatures" using the Powtoon media is played, there it is very clear that students are very interested in the material presented, they look very concentrated and pay close attention to it to maximize student

acceptance of the material presented. delivered by using powtoon media that match the material and using powtoon media as a tool for delivering learning material."

A grade 3 student at SDN 002 Pulau Komang Sentajo stated that:

"The teacher plays the video "Changes in Living Creatures" which will be taught and then tells us to listen carefully to the video, it makes us not feel bored and bored in learning science, when the teacher plays the video "Changes in Living Creatures", we are very happy and happy at the same time we immediately thought by watching the video."

From the observations made by the researchers, it can be concluded that in the core activity using the Powtoon media with the material "Changes in Living Creatures", students are more enthusiastic and can apply the knowledge gained from learning media using the Powtoon delivered by the teacher and understand the content of the material presented.

Closing

Evaluation and learning process are activities carried out by teachers to end the core learning activities consisting of tests and assignments. From the results of researchers' observations regarding the implementation of science learning using Powtoon Media in Class 3 SDN 002 Komang Sentajo Island, the science teacher stated that:

"In every learning process there are stages where the stages consist of planning, implementation, and closing, in the lesson plans it has been explained that the learning process has stages, in the closing there are usually evaluations, final assignments and tests so that teachers can measure students' abilities and students will understand learning more by listening to the teacher's evaluation."

Further explained by the teacher concerned stated that:

"In the learning process there is a cover that contains an evaluation. Evaluation is very important to be conveyed to students after the teacher has finished explaining the presentation of learning, with evaluation, students know the weaknesses or shortcomings of each student, if there are students who do not understand the lesson, the teacher will explain the core of learning, usually a test and thesis."

This was also confirmed by a grade 3 student at SDN 002 Pulau Komang Sentajo stating that:

"Every time the science lesson is finished, the teacher will give us questions to work on so that we understand what we are learning."

From the results of interviews and direct observations in the field, it can be concluded that after carrying out the learning process a teacher will evaluate so that students better understand learning, and the teacher will conclude the lessons that have been studied carefully.

CONCLUSION AND RECOMENDATION

From a series of studies related to the implementation of science learning using Powtoon media in Class 3 SDN 002 Komang Sentajo Island through observations, interviews and documentation above, it can be concluded that the implementation of science learning using Powtoon media can be started from preliminary activities, core activities and closing activities. Science learning using powtoon media has been carried out with the existence of activity observation sheets during science learning using powtoon media. The role of implementing science learning using Powtoon media is good, it is evident from the results of interviews that students feel happy and enthusiastic and interested in the science learning process using powtoon media besides that students are also increasingly interested in learning. However, the obstacle for teachers in using Powtoon media is in the development of the media. The use of Powtoon media was not carried out by the teacher because of limited knowledge about learning media.

The school is expected to improve facilities and infrastructure to support the learning process so that students are more interested in participating in the learning process. In addition, the school must continue to motivate teachers to choose, develop and use learning media that are interesting and in accordance with the material being taught to their students, especially using powtoon media.

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