



Interaction of Your Picture Learning Model Picture of Science Learning In Elementary School

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Abstract

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Education is a continuous (eternal) process of higher adjustment for human beings has developed physically and mentally, free and conscious of God, as manifested in the intellectual, emotional and human environment of humans. Learning is a process characterized by self change. The objectives to be achieved in this learning improvement process are: using the picture and picture learning method can improve student learning outcomes in the eyes science lessons. For this reason, researchers want to do this research as an increase in student learning outcomes using the Picture And Picture-based learning model. This study involved 15 people in class IV SD Negeri 002 Kabun. This study uses research consisting of introduction, planning, action, observation and reflection (evaluation). The results of the study found that students' learning mastery increased from cycle I to cycle II as much as 100% is declared complete. For this reason, teachers can use the model Picture and Picture-based learning in improving student learning outcomes in Science subjects Natural Knowledge (IPA).

Keywords: Education, process, picture and picture and research

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PRELIMINARY

Education is a continuous (eternal) process of more adjustment high for human beings who have developed physically and mentally, who are free and aware of God, as manifested in the intellectual, emotional and humanity from humans. Learning is a process marked by change self in someone Sudjana (2004). Student learning process is measured from student activities and activities teacher, during the learning obtained based on the observations of Borich (1994). This change covering aspects of knowledge, understanding, attitudes and abilities.

While learning is a process of effort that is done by a person in obtaining a change in behavior as a whole as a result of his own experience and in interacting with environment. By looking at the background above, it can be drawn a formula the problems that are the focus of learning improvement, are as follows, "Is it by using the picture and picture learning method can improve student learning outcomes on science subjects?" The objectives to be achieved in this learning improvement process are: by using the picture and picture learning method can improve results student learning in science subjects. The benefit of this research is that the teacher has used the right teaching system, careful planning, maximum media, method planning, time planning required, the implementation of the evaluation, then the students in following the lesson will be passionate



and easy to understand the lessons presented. Improving the ability of teachers in manage the learning process, so that teachers are more creative and competitive to all the problems faced by the world of education today. Eko Prihatiningsih (2018) "The Influence of the Application of the Picture And Learning Model Picture And Model Make A Match Against Student Learning Outcomes", *Journal of Education Primary school*. The purpose of this study was to determine how the influence of the application of the Picture and Picture learning model to the learning outcomes of eye students science lessons. This research is an experimental research that uses Nonequivalent Control Group Design. Gede Risa Pebriana (2017) learns science by applying the Picture learning model and Pictures. This type of research is classroom action research which is carried out in two ways cycle. Nuning Jaryati (2022) "The Effect of Picture And Picture Method on Learning Outcomes IPA", the method used is an experimental quantitative method in the form of research True Experimental Design with pretest posttest control desiant. Population in

This research is all class IV.Ni Nyoman Kusmariyani (2017) "Application of Picture and Picture-Based Models Scientific Approach To Improve Science Knowledge Outcomes", knowledge competency Science through the application of the Picture And Picture model based on the Scientific Approach. Type This research is Classroom Action Research, Data collected by test method, then the data were analyzed using descriptive statistical analysis techniques and descriptive analysis quantitative. Leni Marlina (2020) "A Study of the Effect of Using Picture And Learning Models Picture Against Science Learning Achievement of Elementary School Students", the background of this research is by the problems that occur in elementary schools. The problem is between other media used is only a blackboard, there are no interesting activities such as group discussion, too many foreign terms, too dense material. Apart from that, teacher tend to dominate learning, and the teacher's mastery of the material is weak and too monotonous, students rarely ask questions or express opinions. Risda Amini (2021) "Development of Picture-Based Science Learning Module And Picture in Elementary School", This research aims to develop a module picture and picture-based science learning for class V in elementary school. The type of research that used is the development (Research and Development)..

Sunan Baedowi (2018) "The Influence of Picture And Picture Learning Models Assisted by the Wheel of Fortune Game Media on Activities and Learning Outcomes On the Concept of the Animal Life Cycle of Class IV Students, this research is motivated by low learning activities that affect student learning outcomes and ultimately learning outcomes students do not reach the KKM. This study aims to determine how much the influence of the picture and picture learning model assisted by the wheel game media luck on activities and student learning outcomes in science subjects grade IV. Ummah (2021) "The Influence of the Application of the Picture and Picture Learning Model Assisted by Audio Visual Media on Learning Outcomes in Elementary Schools", This Research aims to determine student learning outcomes using the Learning model Picture and Picture assisted by Audio Visual Media. The

purpose of this research is to find out whether there is an influence of the Media-assisted Picture and Picture Learning model Audio Visual on student learning outcomes.

Regita Kusuma Dewi (2020) The Effect of Picture and Picture Learning Model in terms of the Critical Thinking Ability of Elementary School Students, this study aims to knowing students' thinking skills and after using the learning model Picture And Picture. Lulu Hasna (2022) Application of the Picture And Pictures Learning Model for Improving Science Learning Outcomes of Elementary School Students, This research departs from problems that arise regarding the low learning outcomes achieved by students in subjects Elementary school science is due to the lack of varied learning models applied when learning in class takes place, so as to make students fast feel bored in following the lesson. The purpose of conducting this research is to determine the effect of the application of the Picture and Pictures Cooperative Learning model on the science learning outcomes of fourth grade elementary school students.

Pulusome (2021) "picture and picture is a learning model that divides class into several groups. Each group is given a picture to pair or arranged into a logical order. Yuliastanti (2014) "in the Application of the Picture and Picture Learning Model for Improving Learning Outcomes in Thematic Learning in Elementary Schools", model picture and picture learning can improve learning outcomes.

Huda (2013) picture and picture learning model is a learning strategy that using images as learning media, where images are used as media is paired and logically sequenced. Berlin Sani (2015) "picture and picture is a cooperative learning model and prioritizing cooperation by using sorted media images and paired into a logical sequence". Suprijono (2014) suggests "Picture and Picture is a strategy learning that uses images as learning media. this strategy is similar with Example Non-Example", where the image given to students must be logically paired or sequenced. These images are the main tool in learning process".

RESEARCH METHODS

This research was conducted at SD Negeri 002 Kabun, located in Rokan Regency Upstream implementation in October 2022 for approximately 2 weeks. Subject in This research is the fourth grade students of SD Negeri 002 Kabun. Many research subjects about 15 students. Data collection tools in this study are; 1) Learning Outcomes Test; 2) observation sheet student self-assessment / LKPD. This research uses Classroom Action Research is a form of study that is reflective by the perpetrators of actions taken to increase rational stability of their actions in carrying out their duties, deepening understanding of their actions the actions taken, as well as improving the conditions in which the learning practices done by Mukhlis (2000). In accordance with the type of research chosen, namely classroom action research, the research.

This study uses an action research model that is in the form of a spiral from one cycle to another the next one. Each cycle includes planning (plan), action (action), observation (observation), and reflection (reflection). The steps in the next

cycle are revised planning, action, observation, and reflection. Before entering the first cycle, preliminary actions were carried out form of problem identification. Methods of Data Analysis in this study used a descriptive method with comparing student learning outcomes before the action with student learning outcomes after the action.

The steps for processing data are as follows:

1. Recapitulating the pretest scores before the action and the final test scores in Cycle I and Cycle II.
2. Calculate the average value or percentage of student learning outcomes before taking action with learning outcomes after taking action in Cycle I and Cycle II for know that there is an increase in learning outcomes. As a measure of the success of this classroom action research, it can be seen that the learning outcomes confirmed with minimum completeness criteria (KKM) Natural Sciences for class IV SD Negeri 002 Kabun is 70, if student learning outcomes reach KKM individually and $\geq 85\%$ of the number of students scored \geq KKM, then learning is complete in a classical manner. Ning Endah Sri Rejeki (2009) this situation is proven by the results of data analysis that the ability of teachers in carrying out aspects of the teaching and learning process in cycle II are categorized as very good both always experience a significant increase, up to the last cycle shows 100% of students get test scores that have met the criteria for complete learning with a value of more than or equal to 75 (KKM) more than 85%. Science learning with Picture And Picture model is very effective to do in PBM.

RESULTS AND DISCUSSION

The research process was carried out in 2 cycles using a learning model Picture And Picture in the Natural Sciences lesson. In the 2 cycles, respectively each cycle consists of 4 stages, namely the planning stage, the action implementation stage, observation stage and reflection stage. After analyzing the data obtained from the two implemented cycles, it can be conclusions are drawn, using the Picture And Picture learning model in Science lessons Natural Knowledge shows an increase in students' questioning skills and the integrity of their learning outcomes.

In this study, researchers will show an increase in participant learning outcomes learn in science subjects. This Picture And Picture learning model is suitable for use in science subjects, in line with research conducted by Piaget Sund (1973) shows the acquisition of results in science subjects using the model Picture and Picture learning so that it can improve the learning outcomes of class students IV SDN 002 KABUN

Based on the data that has been obtained in cycle 1, the model is applied Picture and Picture learning shows the results of students there are 8 students who completed with a percentage of 55.55% and as many as 7 students who did not complete with percentage value 44.45%. So that the average value in the first cycle is 61.73. This student's incompleteness is likely to occur because students are less

interested in the media used and when learning does not involve them so that students do not have an interest in learning. In line with I Gede Pande (2020) in a cyclical manner, which is Cycle I and the next cycle are related, with the number of meetings in each cycle four times in one cycle. The general description carried out is planning, implementing, observation and reflection. After taking action for two cycles, the results of this study shows that the activity and student learning outcomes have increased. Then based on the results that have been obtained in the first cycle, a improvement of learning in cycle II so that student learning outcomes are maximized and get complete value. By applying the Picture And Picture model, on cycle learning II experienced an increase in student learning outcomes, namely 15 students were categorized completed with an average score of 80.77 with a percentage of 100%.

This increase in learning outcomes is because Picture and Picture learning is a model learning that prioritizes cooperation between students, so that positive interactions are established in solving a problem. Ni luh Sadewi Widyani (2009) on subjects. Natural Sciences after the application of the Picture And Picture learning model Guided mediated concrete objects. This type of research is classroom action research which is carried out in two cycles.

Nur Fajariyah (20016) This study aims to improve thinking skills critical thinking and student achievement by applying the Inquiry learning model Guided. Data analysis used a qualitative descriptive analysis technique. Research result showed an increase in students' critical thinking skills in the first cycle by 54% and cycle II of 66%. Percentage of learning achievement for aspects of knowledge in cycle I obtained learning completeness by 69% and in cycle II by 77%. The attitude aspect has complete in cycle I by 94%. The skill aspect has been completed in cycle I by 100%. Then for more details, the results of learning in CAR research activities can be used also seen in table 2 below: This learning mastery is due to the cooperation of students with their peers, as expressed by Paulina Pannen (2005). Low learning motivation seems become a major factor in the low participation of students. Low motivation student learning relates to the principles of motivation in learning, namely attention, relevance, confidence, and satisfaction. Student attention in learning in the classroom is affected by whether or not the learning process is interesting, both in terms of material and strategy the learning. Wartono (1996) The results of these studies indicate that the model Picture And Picture learning is convincingly more effective than models conventional learning, both in improving thinking skills and in learning achievement.

DISCUSSION

S Nurfirtiyanti (2016) students experience a meaningful learning process by building their own knowledge. The solution that teachers can do is to apply the Picture And Picture learning model, so that the science learning process is cycle I, the average student evaluation results obtained 62.62. This happened because of students not used to working on evaluation questions after learning is complete and do not understand completely on the given material.

Then in cycle II the student evaluation results increased to 78.45. Different from this research with research that has been done is the media used, Sitiatava Rizema Putra (2013) In this first stage, namely the orientation step which means, the teacher takes steps to foster an atmosphere or learning climate that is conducive. There are several things that will be done in the orientation stage. explain the topic, goals, and learning outcomes expected to be achieved by students After analyzing and looking at the data, the writer can conclude that Picture and Picture learning model is actually able to improve student learning outcomes and student activity. Student learning outcomes at SD Negeri 002 Kabun have increased.

CONCLUSION

From the results of research that has been carried out at SD Negeri 002 Kabun, the conclusions obtained are: as follows: 1) The use of the Picture And Picture model in learning science Natural knowledge of energy sources in class IV SD Negeri 002 Kabun can increase student learning outcomes and achieve the specified completeness value. 2) Student learning outcomes increasing each cycle, in the first cycle as many as 8 students or 55.55% completed and repaired again in cycle II so that student learning completeness reaches 100% or 15 people student. Suggestion.

There are several implications and suggestions that researchers want to convey related to research that researchers have done in class IV SD Negeri 002 Kabun by using Picture And Picture learning model, including: 1) Students are more active and have an interest in the learning process and collaborate with classmates. 2) Master more attention to the use of an approach based on the needs of each student so that the learning to be better and make ready and mature plans. 3) Share researchers who want to use this learning model as research material for All subjects are expected to see in advance what students need during the learning process. Pay attention to the suitability of the material so that the use of the learning model this becomes more maximal as expected. Machine Translated by Google.

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