

The Application Of Cooperative Learning Model Type Course Review Horey To Improve Mathematical Understanding For Fourth Grade Of Primary School

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Abstract: This research is based on the background of the low understanding of students in mathematics learning. This study aims to improve the mathematical understanding of students in the fourth grade of the State Elementary School site by using a cooperative learning model type of course review. The research method used by researchers was classroom action research in collaboration with fourth grade teachers at the Siteari Elementary School, with a total of 22 students. This study took place in 3 cycles, each cycle consisting of 3 actions. The techniques used in collecting data are observation, tests, interviews, documentation, and field notes. The results of the study showed that the application of the cooperative learning model type of review course could improve students' mathematical understanding of mathematics learning in the fourth grade of Sitarari Elementary School.

Keywords: Learning Model, Cooperative Course Review Horey type, Mathematical Understanding

1. INTRODUCTION

Education is important for human life. Because with human education you will gain knowledge, skills and attitudes. Education in schools needs to be adapted to the development of science and technology, the development of society and development needs so that the learning experiences students get along with the rapid development of science and technology. Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential to have religious spiritual strength, self-control, personality, intelligence, noble character, and skills needed by themselves, society, nation and state [1].

Based on the objectives of the education above, the teacher is the key to success that will determine the direction of educational attainment, the teacher is at the forefront to regulate and direct the atmosphere of teaching and learning in order to create a conducive learning environment so as to develop the potential of students to become human who has faith, knowledge and noble character. Education must touch the potential of the conscience and the potential of student competence [2]. In realizing this, an educator must have special expertise in educating and be able to develop various learning models in providing teaching to students. The use and development of learning models is very important for an educator whose purpose is to help improve the mindset of students in solving every problem they face. The learning model used by educators must be developed in accordance with the material, situation and condition of the students. This

is intended to make students easier to receive and absorb information and subject matter delivered by educators. In addition, the use of learning models will make students not feel bored in learning and the use of learning models that are in accordance with the material, the situation and conditions of student learning, will arouse student learning motivation. There are many learning models that can be practiced by teachers in learning activities, one of them is the Course Review Horey model, because the Course Review Horey model is rarely used in the elementary school environment so that the model will attract students' attention to pay attention and enthusiasm for learning. It is understandable that teaching is encouraging the birth of motivation to learn [3]. Basically the teaching and learning process of students is influenced by various factors, including the ability of the teaching and learning process in achieving teaching goals. The ability of teachers in the learning process is needed by students in an effort to improve understanding skills. Considering the importance of education for life, the whole society should have education for the future. Besides being able to obtain knowledge and skills, education also has goals to be achieved as stated in Law No. 20 of 2003 written on the national education system that: The national education system functions to develop capabilities and shape dignified national character and civilization in order to educate life the nation aims to develop the potential of students to become human believers and devoted to God Almighty, noble, healthy, knowledgeable, capable, creative, independent and become a democratic and responsible citizen [4]. Mathematics has an important role in human life, to understand the reality faced by students in everyday life. The ability of students to understand mathematics is inseparable from the various factors that influence it, both factors that originate from students and factors from the environment, including subject matter and the model used by the teacher in learning. Realizing how important the teaching learning model is to improve students' mathematical understanding skills, the teacher must look for alternative learning models that are appropriate to the lessons to be taught. Based on the results of observations in the fourth grade of Siteari Elementary School, it was found that the average math score of students was still below the KKM, which had been set by the school, which was 63. The average

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score for the daily repetition of 22 students was only 6 students (27%). Minimum completeness criteria (KKM), while 16 students (73%) have not yet completed or their grades are below KKM. In addition, based on the results of interviews with homeroom IV, it was stated that students were still having difficulty understanding mathematics. The lack of understanding of students is also caused by lack of enthusiasm for learning mathematics so that it can influence the ability to understand learning. Most students are passive in teaching and learning activities, so students rely solely on information from the teacher without any effort to learn on their own. Learning delivered tends to be mastered by the teacher, the teacher only provides teaching where students are given little opportunity to develop their arguments and students who do not understand the material tend to be silent and not ask questions, so the learning process only goes one direction. Seeing these conditions, then in the learning process teachers are required to use various learning models that can make the atmosphere of learning fun, can increase student involvement in the learning process and can improve understanding skills. So that if this is done, it is expected that students' understanding in mathematics learning will increase. The existence of these problems, we need a learning model in mathematics learning that can facilitate students to develop understanding skills. One effort that can be done is by applying the Course Review Horey learning model. Course Review Hooray Learning is a learning method that can create a fun and enjoyable learning environment because every student who answers correctly is required to shout "Hooray" or other preferred yells [5]. It can be understood that, the Course Review Horey learning model is a learning model with testing understanding using a question where the answers to questions are written on a card or a box that has been completed with numbers and for students or groups who get the correct answer or correct vertically, diagonally or horizontally right shout horey or other yells [6]. The following is the result of Nugroho's research (2011) which states that, the results of the study indicate that the Course Review Horey model can improve students' mathematical understanding skills [7]. Based on these explanations, researchers need to conduct a scientific study of the application of cooperative learning models to the type of course review horay to improve students' mathematical understanding.

2. METHODS

This study uses classroom action research methods by having observing activity elements, actions that aim to correct problems in the learning process, and the same class receives lessons from a teacher. Data collection is done through: observation, interviews, documentation, and student learning outcomes as many as 30 people. The data analysis technique was carried out through data reduction, tabulation of data from observations, data analysis and data exposure. The success criteria in this study is if the value of students' science learning outcomes reaches a minimum of 75% or 17 people from the minimum completeness criteria. This research was conducted through four phases of cycles including: planning, implementing actions, observing and reflecting. The class action research model used was John Elliot's model

3 RESULT AND DISCUSSION

This study uses a classroom action research approach where the research will discuss the results of each cycle given action.

The following diagram shows the results of this study:

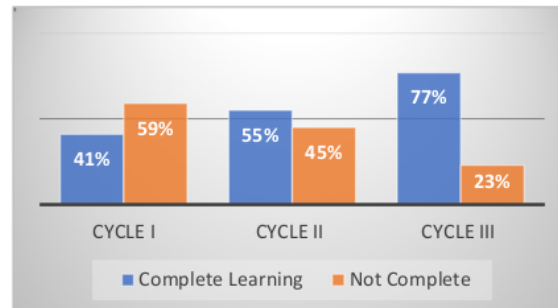


Figure 1. Percentage value for each cycle

The results of this study indicate that there is an increase in each cycle. In the first cycle students who complete as much as 41% and the unfinished as much as 59% with an average grade reached 58,40. Cycle II experienced improvement, students who completed it became 55% and those who had not completed 45% with the average grade reached 67,81. While the third cycle of students who complete as much as 77% and the unfinished 23% with the average grade reaches 77,27.

4. CONCLUSION

Based on the results of the research that has been described, it can be concluded that the cooperative learning model of the review course can improve students' mathematical understanding in mathematics learning in the fourth grade of elementary school. Increasing the value of learning outcomes is influenced by the activities of students and teachers in the learning process in the classroom. The cooperative learning model type of course review horey has a positive impact on the enthusiasm of students to learn mathematics because formulating learning techniques is very fun so students do not feel bored while studying the material

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