**APPLICATION PROJECT BASED LEARNING MODEL FOR GROWING COOPERATION IN IMPROVED ATTITUDE ANALYZE CLASS IV SDN PINGGIRSARI IN SUB-THEME FORCE AND MOTION**

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**ABSTRACT**

This study aims to foster an attitude of cooperation in analyzing the ability to make a craft on the theme always save energy sub-theme force and motion learning 4 and 5 in the fourth grade elementary school Pinggirsari I Sub Kertasari Bandung regency using Project Based Learning models . It is based on the lack of cooperation attitude of students towards learning process , which is evident from the number of deficiencies in the control of teamwork when learning takes place . This study uses a Class Action Research (PTK) using cycle system consisting of planners , implementation , observation and reflection . This research was conducted in two cycles . Eveluasi techniques used in this study is the engineering test and non-test . Mechanical tests to determine the ability to analyze , and the non-test techniques to determine the attitude of cooperation of students and teacher performance or researcher . While the research instrument used , the measurement accuracy of the lesson plan sheet , sheet teacher performance assessment tool or researcher , sheet assessment tool attitudes of students in learning , sheet student achievement assessment tools , sheet researcher interviews with students , researchers interview sheet with the observer . The results showed that the use of Project Based Learning models can foster an attitude of cooperation in improving the ability to analyze . This can be seen from the preliminary data shows the percentage of students 'responses 50 % , after doing research first cycle to the second cycle students' response to the cooperation increased to 100 % . As for the ability to analyze increased from initially 28 % increased to 88 % . Thus , the use of Project Based Learning models can foster an attitude of cooperation in improving students' ability to analyze . This is due to the model of Project Based Learning , students make a creative work or craft products in the form of student learning learning with a real working practice . Thus, students will feel compelled to solve the problem with a project through personal experience interesting .

Keywords : Project Based Learning , cooperative attitude of students , the ability to analyze