**APPLICATION OF DISCOVERY LEARNING MODEL TO CULTIVATE AND ATTITUDE OF RIGOR AND LEARNING OUTCOMES IN SCIENCE SUBJECTS**

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**ABSTRACT**

This research aims to cultivate an attitude of rigor and learning outcomes to classify animals based on the type of food in the country fourth grade elementary school Sukamaju Kertasari District of Bandung regency by using the model of Discovery Learning. It is based on the lack of thorougness students attitudes toward 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. Eveluation techniques used in this study is the engineering test and non-test. Mechanical tests to determine learning outcomes, and the non-test techniques to determine the attitude of students attitude and performance or teachers or researchers. While the research instrument used were sheet of measurement accuaracy RPP, 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 Discovery Learning models can foster an attitude rigor and student learning outcomes. 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 precision attitude increased from initially 28 % increased to 88 %. Thus, the use of Discovery Learning models can foster an attitude rigor and student learning outcomes. This is due to the model of Discovery Learning, students make something creative work or craft such as Discovery Learning, student learn directly denfan real work practices. Thus, students will feel compelled to solve the problem with an invention through personal experience interesting .

Keywords : *Discovery Learning*, attitude rigor, student learning outcomes