

**THE EFFECT OG USE OF ISCOVERYLEARNING MODEL TO
CRITICALTHINKING ABILITY
CLASS IV STUDENT**

**(Quasi Experiment Research In Class IV SDN 027 Cicadas Cibeunying Kidul
Districk, Bandung City)**

**By
Ayi Oktari
NPM 155060175**

ABSTRACT

This study aims to determine how the influence of the use of discovery learning models on student's critical thinking skills in learning mathematics about prime number factors, the least common multiple (KPK) and the greatest multiple partnership (FPB). This research was conducted in class IV SDN 027 Cicadas Bandung. Seeing from the situation in the field of students' critical thinking skills are still low students are less active when participating in learning in class and are embarrassed to ask this is evidenced by learning still using the lecture method, learning is still centered on the teacher (teacher center), the use of learning models is still lacking especially the use of discovery learning models has not been done. The use of discovery learning models is suitable for students to improve their critical thinking skills by making discoveries and is associated with mathematics so it is suitable for use. The purpose of using this interactive learning model is to determine the effect of the discovery learning model on the critical thinking skills of students in class IV at SDN 027 Cicadas. The research method used in this study is to use a quasi-experimental research method using the Nonequivalent Control Group Design research design, the instrument used is using observation sheets, pretest and posttest. Data processing techniques used are the test for normality, homogeneity, hypothesis testing and regression tests using the SPSS 16 program. The results of students' observation sheets stated that the critical thinking ability in the experimental class was higher than the control class, the ability of the experimental class and the control class significance value of 0,000 using the t test and the pretest and posttest results based on the effect of 0,440 based on the result of the regression test. Then it can be concluded that the discovery learning model influences students' critical thinking skills

Keywords : Discovery Learning, Critical Thinking