THE EFFECT OF COOPERATIVE LEARNING MODEL GROUP INVESTIGATION (GI) TYPE TO CONCEPTUAL KNOWLEDGE STUDENT'S IN TOPIC OPTIC GEOMETRY GRADE X SMAN 1 PERBAUNGAN ACADEMIC YEAR 2014/2015

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ABSTRACT

The objectives of this research was to analysis the Cooperative Learning Model to student's Learning Outcomes by using Cooperative learning model Group Investigation type to conceptual knowledge student's. The research was done in SMAN Perbaungan which consists of two class, they were experimental class and control class. The sample in this research were taken with cluster random sampling. The research instrument had twenty questions in multiple choice forms with five options, the instrument tested validated. After that do the treatment in experiment class taught by cooperative learning model of GI type to conceptual knowledge student's and in control class taught by conventional learning model and then done the post-test. After that was done the data analysis technique like average value, standard deviation, normality test, homogeneity test, hypothesis test. In experimental class and control class the average value of pretest were 39.62 and 37.90 that means the capability of students are same, while the value of posttest in experimental class and control class were 78.37 and 69.68, from the research get the conclusion that there was effect of Cooperative learning model Group Investigation type to conceptual knowledge student's. First, it could be seen by the result of outcomes learning that get from each class, the outcomes value from the experiment class was higher than control class. Second, it could be seen the active of students when the model of cooperative type Group Investigation were happened. Third, it could be seen the conceptual knowledge from the experiment class was higher than control class.

Keyword : Cooperative, Group Investigation, Conceptual Knowledge, student's learning outcomes.