

The Effect of Cooperative Learning Model Type Group Investigation (GI) to Student' Conceptual Knowledge on Topic Elasticity Grade XI first Semester in SMA N 1 Tanjung Morawa A.Y 2016/2017

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ABSTRACT

The research was conducted to analyzed the effect of cooperative learning model type group investigation on student's conceptual knowledge in Elasticity subject matter. This research was carried out in SMA Negeri 1 Tanjung Morawa. This research used quasi experiment type with pretest-posttest control group design. Population is the whole students in grade XI SMA Negeri 1 Tanjung Morawa on 1st semester, consisting of two classes. Sample was taken using technique of Cluster Random Sampling. The number of research sample is 34 students for experiment class and 35 students for control class. The data of student's conceptual knowledge is taken by using instrument test in form of essay question from ten indicators. The data analysis used t-test, from the result of achievement score calculation obtained the mean of pre test in experiment class is about 15 while the mean of post test is about 63.70 and the mean of pre test score in control class is about 14 while the mean of post test is about 40.78. During the treatment in experiment class was learned by using cooperative learning model type group investigation, while control class was learned by conventional learning model. The result was shown student's conceptual knowledge in class of cooperative learning model type group investigation significantly higher than in class of conventional learning model. It means there is an effect of cooperative learning model type group investigation on student' conceptual knowledge on Topic Elasticity grade XI first semester in SMA N 1 Tanjung Morawa A.Y 2016/2017.

Keyword: Cooperative Learning Model Type GI, Conventional Learning, Conceptual Knowledge, Elasticity