THE EFFECT OF COOPERATIVE LEARNING MODEL TYPE GROUP INVESTIGATION ON STUDENT'S ACHIEVEMENT OF STATIC FLUID IN CLASS XI OF SMA NEGERI 1 PERBAUNGAN A.Y. 2013/2014

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ABSTRACT

The objectives of this research is To find out the effect of Cooperative Learning Model Group Investigation Type on student's learning outcomes in subject static fluid in class XI SMA Negeri 1 Perbaungan A.Y. 2013/2014.

The research method was quasi experimental. The populations were all XI IPA grade students in semester II that consist of 8 classes SMA Negeri 1 Perbaungan. The samples of this research conduct two classes and consist of 62 students, 31 from experiment class and 31 from control class and define by random cluster sampling. The results that were obtained: pre-test mean value of experiment class was 42.26 and 40.16 for control class and then post-test mean value of the experiment class was 80.32 and 62.90 was the mean value for control class. Standard deviation in pre-test were 7.62 in experiment class and 7.80 in control class and standard deviation in post-test for two classes were 6.94 and 8.64. Normality of the test result from the both samples was normal and homogenous. In the testing of hypothesis for pre-test, the criteria is: H_0 is accepted if $t_{count} < t_{table}$ and H_0 is rejected if t_{count} has another score, where t_{table} obtained from list of distribution t. From the calculation of test t for concept mastery using $\alpha = 0.05$, obtained $t_{count} = 1.07$, where $t_{table} = 2.00$. It means, experiment class and control class have same ability. And for post-test, the criteria is : Ha is accepted if $t_{count} > t_{table}$ and is rejected if t_{count} has another score. From the calculation of t-test one side for $\alpha = 0.05$, obtained $t_{count} = 8.75$, where $t_{table} = 1.67$. So, there was the Effect of Cooperative Learning Model Type Group Investigation on Student's Achievement of Static Fluid in class XI of SMA Negeri 1 Perbaungan A.Y. 2013/2014. Based on observation that done by observers with using observation sheet of student character, the character's value on last meeting of experiment and control class are 86.73 and 74.55. Its conclude that the character of students in experiment class better than control class.

Key word: Cooperative Learning Model Group Investigation Type, Student's Achievement, Character.