

ABSTRACT

IMPROVEMENT COMPARISON of STUDENT PHYSICS LEARNING ACHIEVEMENT EVALUATED FROM DIFFERENT LEARNING METHOD AND ACHIEVEMENT MOTIVATION AT SMAN 2 MENGGALA

By
Eni Yulia Fitriana

The research is aimed to know; 1) There is an interaction of achievement of student learning between usages of learning method and motivation of different achievement. 2) The average difference of increasing achievement of student learning which is taught using inquiry method and using demonstration method. 3) The average difference of increasing achievement of physics learning toward student who has high motivation achievement between students which is taught using inquiry method and using demonstration method. 4) The average difference of increasing achievement of physics learning toward student who has low motivation which is taught using inquiry method and using demonstration method. Method applied in this research is experiment method with proportional design and applies factorial design of experiments 2x2. Population in research is all class X student with the number 92 students. While sampling technique used is purposive sampling where sample is taken from two classes (class X-3 and class X-4) with consideration that both classes have the same achievement of learning at PSB. Instrument in this research is in the form of questionnaire to get data about motivation of achievement and achievement test to get student achievement data. Analysis data technique applied using ANAVA two lines and T-test.

Result of research indicates that there is an interaction of learning achievement between learning methods and motivation of achievement. Generally, it can be inferred that improvement of achievement of student learning using inquiry method (improvement average = 0,646) higher than demonstration method (improvement average = 0,569). Improvement average of student learning achievement taught using inquiry method at higher motivation (improvement average = 0,78) than using demonstration method (improvement average = 0,61). Improvement average of student learning achievement taught using demonstration method at low motivation average = 0,75) higher than using inquiry method (improvement average = 0,27).