

## ABSTRACT

### THE INFLUENCE BETWEEN TEACHERS CREATIVITY AND THE ADVANCE ORGANIZER USAGE THROUGH BIOLOGY STUDENTS ACHIEVEMENT IN THE TWELTH GRADE ON MATHEMATICAL AND NATURAL SCIENCES OF SENIOR HIGH SCHOOL1 IN AMBARAWA

By:  
S E T I A R S O

The purpose of this research is to describe and analyze the influence between: 1) teachers creativity toward Biology achievement; 2) the using of advance organizer toward Biology achievement; 3) teachers creativity and the using of advance organizer simultaneously toward Biology achievement in the twelfth grade on mathematical and natural sciences of SMAN 1 Ambarawa.

The kind of this research is quantitative by using correlational descriptive method. Population in this research are the students on SMAN 1 Ambarawa, whose amount to 60 students, that consists of 30 students of XII IPA 1 and 30 students of XII IPA 2. Data are obtained from questionnaire and documentation, then analyzed by used correlational technique and regression both simple and double. Hypothesis test is done by product moment correlation and double correlation, which have been done before with normality and homogeneity test..

The results of this research are: 1) there is positive influence between teachers creativity toward Biology achievement, learner achievement biology rose by 0,029 to 85.225 constants 2) there is positive influence between the using of advance organizer toward Biology achievement, scores increase in the use of advance organizers on learner achievement Biology rose by 0.456 to 45.458 constants 3) there is positive influence between teachers creativity and the using of advance organizer toward Biology achievement, with constant 51.205.

Key words: teachers creativity, the using of advance organizer, Biology achievement