

## ABSTRAK

ROFIQOH HASAN HARAHAHAP. **Efek Model Pembelajaran *Advance Organizer* Berbasis Peta Konsep dan Aktivitas Belajar terhadap Hasil Belajar Fisika Siswa.** Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2013.

Penelitian ini bertujuan untuk: (1) mengetahui perbedaan hasil belajar fisika siswa di antara model pembelajaran *advance organizer* berbasis peta konsep dan model pembelajaran *advance organizer* tanpa berbasis peta konsep. (2) Mengetahui hasil belajar fisika antara siswa yang mempunyai aktivitas belajar tinggi dan aktivitas belajar rendah. Penelitian ini merupakan penelitian quasi eksperimen dengan desain faktorial 2x2. Populasi penelitian adalah seluruh siswa kelas X SMA N 1 Sunggal Semester I T.P 2012/2013. Sampel penelitian terdiri dari dua kelas dengan jumlah sampel 74 orang yang ditentukan dengan *cluster random sampling*, yaitu X-1 sebagai kelas eksperimen menggunakan model pembelajaran *advance organizer* berbasis peta konsep sebanyak 38 orang dan X-2 sebagai kelas kontrol menggunakan model pembelajaran *advance organizer* tanpa berbasis peta konsep sebanyak 36 orang. Instrumen penelitian berupa tes hasil belajar dan observasi aktivitas. Uji persyaratan telah dilakukan berupa normalitas dan homogenitas, yang diperoleh hasil bahwa data normal dan homogen. Hipotesis dianalisis menggunakan GLM pada taraf signifikan 0,05 dengan bantuan SPSS 17.0 *for windows*. Berdasarkan analisis data dan uji hipotesis yang dilakukan diperoleh bahwa : (1) Model pembelajaran *advance organizer* berbasis peta konsep lebih baik dalam meningkatkan hasil belajar fisika siswa daripada model pembelajaran *advance organizer* tanpa berbasis peta konsep. (2) Hasil belajar fisika siswa yang mempunyai aktivitas belajar tinggi lebih baik dibanding dengan siswa yang mempunyai aktivitas belajar rendah. Berdasarkan analisis ini juga terdapat interaksi antara model pembelajaran dan aktivitas belajar siswa terhadap hasil belajar fisika siswa.

Kata kunci : model pembelajaran, *advance organizer*, peta konsep, aktivitas belajar, hasil belajar

## ABSTRACT

ROFIQOH HASAN HARAHAHAP. **The Effect Of the Advance Organizer Learning Model Based on the Conceptual Map and Learning Activities on the Students' Physics Achievement.** A Thesis. Medan : Post Graduate Program State University of Medan, 2013.

This study aimed to (1) find out difference the students' physics achievement among the advance organizer learning model based on the conceptual map and the advance organizer without based on the conceptual map, (2) to figure out the students' physics achievement between the students of high learning activities with those who had low learning activities. This study used a quasi experiment with 2x2 factorial design. The population of this study was the students of first semester of grade X SMAN 3 Sunggal intake 2012 /2013. The samples of this study were two classes, consisted of 74 students in which determined by using cluster random sampling, the first was grade X-1 as experimental class used the advance organizer learning model based on the conceptual map which consisted of 38 students, and the second was grade X-2 as the control class used the advance organizer learning model without based on the conceptual map which consisted of 36 students. The instruments of this study were the achievement test and the observation activities. The requirements of test had been carried out by using normality and homogeneity tests, and it was figured out that the data were normal and homogenous. The hypotheses were analyzed by using GLM with 0.05 level of significance and used SPSS 17.0 for windows. The results of this study by using the data analysis and testing of hypotheses were : (1) the advance organizer learning model based on the conceptual map was better than that without based on the conceptual map in improving the students' physics achievement, (2) the students' achievement of high learning activities was better than those who had the low learning activities. According to the analysis there was an interaction between learning model and the students' learning activities on the students' physics achievement.

*Kata kunci : learning model, advance organizer, conceptual map, learning activities, achievement*