

ABSTRAK

Elida H Tambunan (NIM : 8126176007) Pengaruh Model Pembelajaran Kooperatif Tipe *Group Investigation* dan Pemahaman Konsep Awal Siswa Terhadap Hasil Belajar Fisika di SMA Negeri 1 Teluk Mengkudu

Penelitian ini bertujuan : Untuk mengetahui apakah ada Perbedaan hasil belajar fisika siswa dengan model pembelajaran kooperatif tipe *group investigation* dan model pembelajaran *direct instruction*. Ada perbedaan hasil belajar fisika antara siswa yang memiliki pemahaman konsep awal tinggi dan siswa yang memiliki pemahaman konsep awal rendah. Interaksi antara model kooperatif *group investigation* dengan pemahaman konsep awal siswa dalam mempengaruhi hasil belajar siswa. Sampel dalam penelitian ini dilakukan secara *cluster random sampling* sebanyak dua kelas, dimana kelas pertama sebagai kelas eksperimen diterapkan model pembelajaran kooperatif *group Investigation* dan kelas kedua sebagai kelas kontrol diterapkan model pembelajaran *direct instruction*. Instrumen yang digunakan dalam penelitian ini yaitu instrumen tes hasil belajar fisika dalam bentuk uraian sebanyak 9 soal dan tes pemahaman konsep awal sebanyak 12 soal yang telah dinyatakan valid dan reliabel. Dari hasil penelitian dapat disimpulkan bahwa terdapat perbedaan hasil belajar fisika siswa dengan model pembelajaran kooperatif *group investigation* dan model pembelajaran *direct instruction*. Terdapat perbedaan hasil belajar fisika antara siswa yang memiliki pemahaman konsep awal tinggi dan siswa yang memiliki pemahaman konsep awal rendah. Terdapat interaksi antara model pembelajaran kooperatif *group investigation* dan pemahaman konsep awal siswa terhadap hasil belajar fisika. Model pembelajaran kooperatif *group investigation* lebih optimal diterapkan untuk siswa yang memiliki pemahaman konsep awal tinggi sedangkan model pembelajaran *direct instruction* pemahaman konsep awal tinggi dan rendah hasil belajar yang tidak berbeda.

Kata Kunci : *Group Investigation*, Pemahaman Konsep Awal dan Hasil Belajar



ABSTRACT

Elida H Tambunan (NIM: 8126176007) “The Effect of Cooperative Learning Model Group Investigation and Preliminary Concepts Understanding Towards Physics Student Learning Outcomes in SMA Negeri 1 Teluk Mengkudu”

The purposes of the research are: to determine whether there is difference in student's physics learning outcomes with cooperative learning model group investigation and conventional learning model. There are differences in learning outcomes between students who have a physical preliminary concepts understanding of high and students who have a preliminary concepts understanding of low. The interaction between group investigation cooperative model with preliminary concepts understanding of students in influencing student learning outcomes. The sample in this study conducted in cluster random sampling of two classes, where first class as a class experiment applied cooperative learning model group investigation and second class as a class of control applied learning model of conventional learning model. The instruments used in this research achievement test physics of 10 questions in essay test and preliminary concepts understanding test as 12 questions that have been declared valid and reliable. From the results of this study concluded that there are differences in learning outcomes physics students with cooperative learning model group investigation and conventional learning model. There are differences in learning outcomes between students who have a physical preliminary concepts understanding of high and students who have a preliminary concepts understanding of low. There is interaction between group investigation cooperative model with preliminary concepts understanding of students in influencing student learning outcomes. Learning outcomes of students who are taught by cooperative learning model of group investigation influenced also by understanding the initial concept, while the learning outcomes of students who were taught by the model of conventional learning.

Keywords: Group Investigation, Preliminary Concept understanding and Learning Outcomes

