

ABSTRAK

Arko Alfathar Tumanggor (NIM : 8126175003) Efek Model Pembelajaran Kooperatif Tipe *Group Investigation* Berbasis Kolaboratif dan Sikap Ilmiah Terhadap Hasil Belajar Fisika Siswa SMA Negeri 1 Secanggang

Penelitian ini bertujuan: Untuk mengetahui apakah ada Perbedaan hasil belajar fisika siswa dengan model pembelajaran kooperatif tipe *Group Investigation* berbasis kolaboratif dan model pembelajaran *Direct Instruction*; Perbedaan hasil belajar fisika antara kelompok sikap ilmiah rendah dan kelompok sikap ilmiah tinggi; Interaksi antara model pembelajaran dengan tingkat sikap ilmiah siswa dalam mempengaruhi hasil belajar siswa. Teknik pengambilan sampel dalam penelitian ini dilakukan secara *cluster random sampling* sebanyak dua kelas, dimana kelas pertama sebagai kelas eksperimen diterapkan model pembelajaran kooperatif tipe *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 10 soal dan instrumen angket sikap ilmiah sebanyak 22 soal yang telah dinyatakan valid dan reliabel. Dari hasil penelitian dapat disimpulkan bahwa terdapat perbedaan hasil belajar fisika siswa dengan model pembelajaran kooperatif tipe *Group Investigation* berbasis kolaboratif dan model pembelajaran *Direct Instruction*, artinya bahwa hasil belajar siswa yang dibelajarkan dengan model pembelajaran kooperatif tipe *Group Investigation* lebih baik dari model pembelajaran *Direct Instruction*. Terdapat perbedaan hasil belajar fisika antara kelompok sikap ilmiah rendah dan kelompok sikap ilmiah tinggi, ini artinya bahwa hasil belajar siswa yang mempunyai sikap ilmiah tinggi lebih baik dari hasil belajar siswa yang mempunyai sikap ilmiah rendah. Terdapat interaksi antara model pembelajaran dengan tingkat sikap ilmiah siswa dalam mempengaruhi hasil belajar siswa, artinya bahwa model kooperatif tipe *Group Investigation* baik diterapkan pada siswa yang mempunyai sikap ilmiah tinggi.

Kata Kunci : *Group Investigation*, Sikap Ilmiah dan Hasil Belajar

ABSTRACT

Arko Alfathar Tumanggor (NIM: 8126175003). The Effects of Cooperative Learning Model-Based Collaborative Group Investigation and Scientific Attitude Towards Physics Student Learning Outcomes SMA Negeri 1 Secanggang

The purposes of the research are: to determine the differences between learning outcomes physics students with cooperative learning model based Collaborative Group Investigation and learning model of Direct Instruction; The difference in results between the groups studied physics scientific attitude is low and the high; Interaction between learning model with the level of scientific attitude of students in influencing student learning outcomes. The sampling technique 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 Direct Instruction. The instruments used in this research achievement test physics in the form of descriptions of 10 questions and insrumen scientific attitude questionnaire with 22 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 based collaborative learning and model Direct instruction learning, this means that learning outcomes of students who learned with group investigation model of learning is better than learning model of direct instruction. There are differences between groups of low scientific attitude and high scientific attitude, this means that the learning outcomes of students who have high scientific attitude is better than learning outcomes of students who have low scientific attitude. There is interaction between learning model with the level of scientific attitude of students in influencing student learning outcomes, this means that the model of good cooperative group investigation applied to students who have a high scientific attitude.

Keywords: Group Investigation, Scientific Attitude and Learning Outcomes