ABSTRAK

Drs. Israel Sigalingging (NIM : 8136176009) "Efek Model Pembelajaran *Project Based Leraning* dan Motivasi Terhadap Hasil Belajar Kognitif tinggi Fisika Siswa SMA ".

Penelitian ini bertujuan untuk: mengetahui perbedaan hasil belajar kognitif tinggi fisika antara siswa yang diajar dengan model pembelajaran *Project Based Learning* dengan model pembelajaran konvensional, perbedaan hasil belajar kognitif tinggi fisika antara siswa yang mempunyai motivasi belajar di atas rata – rata dengan siswa yang mempunyai motivasi di bawah rata – rata, interaksi antara model pembelajaran *Project Based Learning* dan model pembelajaran konvensional dengan motivasi dalam meningkatkan hasil belajar kognitif tinggi fisika. Jenis penelitian ini berupa quasi eksperimen dengan desain control group pretes-postes menggunakan ANAVA dua jalur. Hasil penelitian yaitu : model pembelajaran *Project Based Learning* lebih baik daripada model pembelajaran konvensional, hasil belajar kognitif tinggi fisika siswa yang mempunyai motivasi belajar di atas rata – rata lebih baik daripada siswa yang mempunyai motivasi belajar di bawah rata – rata, ada interaksi antara model pembelajaran *Project Based Learning* dan model pembelajaran konvensional dengan motivasi dalam meningkatkan hasil belajar kognitif tinggi fisika

Kata Kunci: model pembelajaran, *Project Based Learning*, motivasi belajar,hasil belajar kognitif tinggi

ABSTRACT

Drs. Israel Sigalingging (NIM : 8136176009) "The Effects *Project Based Learning* Model and Motivation Toward High Cognitive Learning Outcomes of Students Physic".

This study aims to analyze the difference between the high cognitive learning outcomes of students physic who are taught by *Project Based Learning* and conventional learning models, the difference between high cognitive learning outcomes of students physic who have the motivation to learn at above average and below average, the interaction between *Project Based Learning* and conventional learning models with motivation in improving the high cognitive learning outcomes. These research was a quasi experimental with control pretest-postest design using ANAVA two ways. This research outcomes to : *Project Based Learning* model was better than conventional learning models, the high cognitive learning outcomes of student physic who get motivation to learn above average was better than below average., There were interaction *Project Based Learning* and conventional learning models with motivation in improving the high cognitive learning outcomes of students physic. .

Keywords: learning model, *Project Based Learning*, motivation, high cognitive learning outcomes