

## ABSTRAK

**APRIANI SIJABAT (NIM: 8136176004).** Pengaruh Model Pembelajaran *Problem Solving* dan Pemahaman konsep Terhadap Hasil Belajar Fisika Siswa. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2016.

Penelitian ini bertujuan untuk menganalisis hasil belajar fisika siswa pada model pembelajaran *problem solving* dan pembelajaran konvensional, menganalisis hasil belajar siswa antara siswa yang memiliki pemahaman konsep tinggi dan siswa yang memiliki pemahaman konsep rendah, serta interaksi antara model pembelajaran dengan pemahaman konsep terhadap hasil belajar fisika siswa.

Penelitian ini merupakan penelitian *quasi eksperimen*. Pemilihan sampel dilakukan dengan teknik *cluster random class* sebanyak dua kelas, dimana kelas pertama diajarkan dengan model pembelajaran *problem solving* dan kelas kedua dengan pembelajaran konvensional. Instrumen yang digunakan terdiri dari tes hasil belajar dan tes pemahaman konsep. Data dalam penelitian ini dianalisis dengan menggunakan anava dua jalur.

Hasil penelitian menunjukkan bahwa hasil belajar fisika siswa yang menggunakan model pembelajaran *problem solving* lebih baik dibandingkan dengan pembelajaran konvensional, hasil belajar fisika siswa dengan pemahaman konsep tinggi menunjukkan hasil yang lebih baik dari pada siswa dengan pemahaman konsep rendah, serta terdapat interaksi antara model pembelajaran *problem solving* dan pemahaman konsep terhadap hasil belajar fisika siswa.

Kata Kunci: Model Pembelajaran *Problem Solving*, Hasil belajar, Pemahaman Konsep.

## ABSTRACT

**APRIANI SIJABAT (NIM: 8136176004).** The Effect of Problem Solving Model and Understanding The Concept on Learning Outcomes Physics of Students . Thesis. Medan: Graduate Program, State University of Medan, 2016.

This research aims to analyze the students' learning outcomes in problem solving model and conventional learning, analyze the student's learning outcomes between the students who have understanding the concept above the average and the students who have understanding below the average, and also analyze the interaction between the learning model and the understanding concept on the students' learning outcomes physics of students.

This research is quasi experiment. Sample selection was done by using random class technique twice, where the first class was taught problem solving model while the second class was taught conventional learning. The instrument which was used consisted of the tests of problem solving ability and test of understanding the concept. The data in this research was analyzed by using two way anova.

The result of this research showed that the student's learning outcomes who was taught problem solving model was better than the student's problem solving ability who was taught conventional, the student's learning outcome with understanding the concept above the average showed a better result than the students with understanding the concept below the average, and there was an interaction between problem solving model and understanding the concept on the student's learning outcomes physics of students.

Keywords: problem solving model, learning outcome, understanding The Concept Of physics.

