ABSTRAK

BENNI MUSTOFA. NIM 5133111007. "Pengaruh Model Pembelajaran *Project Based Learning* Terhadap Peningkatan Hasil Belajar Mata Pelajaran Gambar Teknik Pada Siswa Kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 1 Percut Sei Tuan". Skripsi, Fakultas Teknik – Universitas Negeri Medan. 2017.

Penelitian ini bertujuan untuk mengetahui : pengaruh model pembelajaran *Project Based Learning* terhadap peningkatan hasil belajar gambar teknik pada siswa Kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 1 Percut Sei Tuan Tahun Pelajaran 2017/2018. Penelitian ini dilakukan pada siswa kelas X Teknik Gambar Bangunan SMK Negeri 1 Percut Sei Tuan. Populasi dalam penelitian ini adalah siswa kelas X Program Keahlian Teknik Gambar Bangunan yang berjumlah 53 siswa. Kelas kontrol X TGB-1 terdiri dari 27 siswa dan X TGB-2 26 siswa. Sebelum melaksanakan penelitian kelas eksperimen dan kelas kontrol diberikan pretest dan di akhir pembelajaran diberikan *posttest.* Hasil analisis data dari hasil pretest yang diperoleh kelas eksperimen yaitu, $\bar{X}$= 58.51 dengan nilai tertinggi 76 dan terendah 49. Sedangkan pada kelas kontrol $\bar{X}$= 58.68 dengan nilai tertinggi 76 dan terendah 48. Kemudian kelas eksperimen diberi perlakuan dengan menggunakan model pembelajaran *Project Based Learning* dan pada kelas control diberikan perlakuan dengan metode pembelajaran konvensional. Hasil analisis data dari hasil posttest yang diperoleh kelas eksperimen yaitu, $\bar{X}$= 82.12 dengan nilai tertinggi 95 dan terendah 75. Sedangkan pada kelas kontrol $\bar{X}$= 74.82 dengan nilai tertinggi 84 dan terendah 62. Pengujian hipotesis dilakukan dengan rumus uji-t, dari data perhitungan hipotesis dengan taraf signifikan 5% diperoleh $t_{hitung} > t_{tabel}$ yaitu 5.241 > 1.672, maka Ha diterima dan Ho ditolak. Dengan demikian dapat disimpulkan bahwa hasil belajar siswa menggunakan model pembelajaran *Project Based Learning* memberikan nilai yang lebih tinggi daripada hasil belajar yang menggunakan metode pembelajaran konvensional pada mata pelajaran gambar teknik.

Kata Kunci : Hasil Belajar, *Project Based Learning,* gambar teknik

ABSTRACT

BENNI MUSTOFA. NIM 5133111007. "The Influence of Project Based Learning Model on Improved Learning Outcomes Subjects Drawing Engineering Students Class X Program Building Drawing Engineering SMK Negeri 1 Percut Sei Tuan". Essay, Faculty of Engineering - State University of Medan. 2017.

This study aims to determine the influence of learning model of Project Based Learning on improving the results of learning engineering drawings on students Class X Program Expertise Building Materials Engineering SMK Negeri 1 Percut Sei Tuan Lessons 2017/2018. This research was conducted on the students of class X Building Engineering SMK Negeri 1 Percut Sei Tuan. The population in this research is the students of X class of Building Material Engineering Program which consist of 53 students. The control class X TGB-1 consists of 27 students and X TGB-2 26 students. Before conducting the experimental class research and control class is given pretest and at the end of the learning is given posttest. Result of data analysis from result of pretest obtained by experiment class that is, $\bar{X}$= 58.51 with highest value 76 and lowest 49. While in control class $\bar{X}$= 58.68 with highest score 76 and lowest 48. Then experiment class is treated by using project based learning model and control classes were given treatment with conventional learning methods. Result of data analysis from posttest result obtained by experiment class that is, $\bar{X}$= 82.12 with highest value 95 and lowest 75. While in control class $\bar{X}$= 74.82 with highest value 84 and lowest 62. Hypothesis testing is done by t-test formula, from data of hypothesis calculation with significant level 5% obtained tcount> ttable is 5.241> 1.672, then Ha accepted and Ho rejected. Thus it can be concluded that the learning outcomes of students using the learning model of Project Based Learning provides a higher value than the learning outcomes that use conventional learning methods on the subjects of engineering drawings.

Keywords: Learning Outcomes, *Project Based Learning*, engineering drawings