

ABSTRAK

Dwi Syahputra: *Perbedaan Hasil Belajar Siswa Yang Diajar Dengan Model Pembelajaran Kooperatif Tipe Jigsaw Dan Project Based Learning Pada Mata Pelajaran Menggambar Teknik Kelas X SMK Swasta Sinar Husni Medan T.A 2019/2020*. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2020.

Penelitian ini dilatar belakangi oleh rendahnya hasil belajar siswa pada mata pelajaran menggambar teknik kelas X. Penelitian ini bertujuan untuk mengetahui: 1) Hasil belajar siswa kelas X yang diajar dengan model pembelajaran tipe *Jigsaw*; 2) Hasil belajar siswa kelas X yang diajar dengan model pembelajaran *Project Based Learning*; 3) Perbedaan hasil belajar siswa yang diajar menggunakan model pembelajaran *jigsaw* dengan *Project Based Learning* pada mata pelajaran menggambar teknik. Penelitian ini dilaksanakan pada semester ganjil 2019. Lokasi penelitian di SMK Swasta Sinar Husni Medan. Populasi dalam penelitian ini adalah seluruh siswa kelas X TKR di SMK Swasta Sinar Husni Medan yang terdiri dari 6 kelas. Dengan teknik *random sampling* terpilih 2 kelas sebagai kelas eksperimen dan kelas kontrol dengan jumlah siswa keseluruhan sebanyak 70 siswa. Kelas eksperimen diberi perlakuan model pembelajaran *Jigsaw* dan kelas kontrol diberi perlakuan model pembelajaran *Project Based Learning*. Instrumen yang digunakan untuk mengumpulkan data adalah tes hasil belajar pada materi pengenalan bentuk dan fungsi garis gambar teknik yang telah disusun dalam bentuk pilihan ganda sebanyak 25 soal. Teknik analisa data yang digunakan adalah uji normalitas, uji homogenitas dan uji hipotesis kesamaan dua rata-rata. Berdasarkan hasil penelitian, terdapat perbedaan hasil belajar siswa antara model pembelajaran kooperatif tipe *Jigsaw* dan *Project Based Learning* dengan perolehan nilai rata-rata 83,31 dan 80,23. Hasil analisis menunjukkan bahwa kedua kelas berdistribusi normal dan berasal dari kelompok homogen. Setelah dilakukan uji "t" diperoleh nilai sig (2-tailed) sebesar $0,049 < 0,05$. dapat disimpulkan bahwa H_a diterima dan H_0 ditolak, menyatakan terdapat perbedaan yang signifikan antara model pembelajaran kooperatif *Jigsaw* dengan model pembelajaran *Project Based Learning* terhadap hasil belajar menggambar teknik siswa kelas X TKR SMK Swasta Sinar Husni Medan T.A. 2019/2020.

Kata Kunci: Model Pembelajaran, *Jigsaw*, *Project Based Learning*, Hasil Belajar, Menggambar Teknik.



ABSTRACT

Dwi Syahputra: *The Differences Of Result Learning Student Tought With Cooperative Learning Model Jigsaw and Project Based Learning, Learning on Technical Drawing Subjects Class X SMK Swasta Sinar Husni Medan T.A 2019/2020. Thesis.* Faculty of Engineering Medan State University. 2020.

The study was motivated by the low student learning outcomes in technical drawing class X. This study aims to determine: 1) Student learning outcomes class X being taught cooperative learning model *Jigsaw*; 2) Student learning outcomes class X being taught *Project Based Learning*; 3) The difference in learning outcomes of student who were taught using learning model *Jigsaw Project Based Learning* with learning on technical drawing. The research was conducted in the odd semester in 2019. The location of research in SMK Swasta Sinar Husni Medan. The population in this study were all students of class X TKR in SMK Swasta Sinar Husni Medan consisting of six class. By random sampling technique was voted 2nd class as an experimental class and control class by the number of students overall were 70 students. Experimental class learning model *Jigsaw* treated and untreated control class learning model *Project Based Learning*. The instrument used to collect data is test of learning outcomes on material introduction to shape and function lines drawing techniques taht have been arranged in the form of multiple choice as many as 25 questions. Data analysis technique used is normality test, homogeneity and similarity hypothesis test two averages. Based on the results of research, there are differences in student learning outcomes between cooperative learning model *Jigsaw* and *Project Based Learning* with an average acquisition value of 83,31 and 80,23. The analysis showed that both classes of normally distributed and come from a homogenous group. After t-test result obtained by the value sig (2-tailed) of $0,049 < 0,05$. It can be concluded H_a accepted and refused H_0 , stating there is significant difference between cooperative learning model *Jigsaw* with learning model *Project Based Learning* towards learning outcomes technical drawing class X TKR SMK Swasta Sinar Husni Medan T.A. 2019/2020.

Keywords: Learning Model, *Jigsaw*, *Project Based Learning*, Student Learning Outcomes, Technical Drawing.

