

ABSTRAK

Irma Silvia Suryani NIM. 7181144004 Pengaruh Model Pembelajaran Cooperative tipe Jigsaw dan Model Pembelajaran STAD (*Student Teams Achievement Division*) terhadap hasil belajar pada Mata Pelajaran OTK Sarana dan Prasarana Kelas XI SMK Negeri 1 Medan T.A 2022/2023.

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran Cooperative tipe Jigsaw dan model pembelajaran STAD terhadap hasil belajar siswa pada mata pelajaran OTK Sarana dan Prasarana kelas XI OTKP di SMK N 1 Medan Tahun Pelajaran 2022/2023. Jenis penelitian ini adalah penelitian eksperimen dengan menerapkan model pembelajaran yang berbeda kepada kedua kelompok sampel. Populasi dalam penelitian ini berjumlah 140 orang, dengan sampel sebanyak 70 orang, yang terdiri dari kelas XI OTKP 1 sebagai kelas eksperimen I dan XI OTKP 2 sebagai kelas eksperimen II. Teknik pengambilan sampel yang digunakan adalah teknik *Cluster sampling*. Teknik pengumpulan data yang digunakan berupa tes hasil belajar siswa, yaitu *pretest* dan *post-test* sebanyak 20 soal yang telah diuji validitas, reliabilitas, tingkat kesukaran, daya pembeda soal, kemudian dilanjutkan dengan melakukan uji normalitas, homogenitas dan hipotesis.

Hasil analisis data menunjukkan bahwa nilai rata-rata *pre-test* kelas eksperimen I sebesar 58,08 dan nilai rata-rata *post-test* sebesar 81,57 dengan peningkatan hasil belajar sebesar 44,56%. Sedangkan nilai rata-rata *pre-test* kelas eksperimen II sebesar 61,28 dan nilai rata-rata *post-test* sebesar 77 dengan peningkatan hasil belajar sebesar 25,64%. Berdasarkan hasil perhitungan uji hipotesis diperoleh $t_{hitung} > t_{tabel}$ ($1,845 > 1,667$) maka hipotesis diterima. Hasil penelitian menunjukkan bahwa Terdapat pengaruh yang positif dan signifikan antara model pembelajaran Cooperative tipe Jigsaw dan model pembelajaran STAD terhadap hasil belajar siswa pada mata pelajaran OTK Sarana dan Prasarana Kelas XI SMK Negeri 1 Medan T.A 2022/2023.

Kata Kunci: Model Pembelajaran Cooperative tipe Jigsaw, Model Pembelajaran STAD, Hasil Belajar OTK Sarana dan Prasarana

ABSTRACT

Irma Silvia Suryani NIM. 7181144004 The Effect of the *Jigsaw Cooperative Learning Model* and the *STAD (Student Teams Achievement Division) Learning Model* on learning outcomes in the *OTK Means and Infrastructure Subject* for Class XI SMK Negeri 1 Medan, TA 2022/2023.

This study aims to determine the effect of the *Jigsaw Cooperative* learning model and the *STAD* learning model on student learning outcomes in the *OTK Facilities and Infrastructure* class XI *OTKP* class at SMK N 1 Medan in the 2022/2023 Academic Year. This type of research is experimental research by applying different learning models to the two sample groups. The population in this study amounted to 140 people, with a sample of 70 people, consisting of class XI *OTKP* 1 as experimental class I and XI *OTKP* 2 as experimental class II. The sampling technique used is the cluster sampling technique. The data collection technique used was in the form of student learning outcomes tests, namely the *pre-test* and *post-test* of 20 questions which had been tested for validity, reliability, difficulty level, item discriminating power,

The results of the data analysis showed that the average *pre-test* score for the experimental class I was 58.08 and the *post-test* average value was 81.57 with an increase in learning outcomes of 44 .56%. While the average *pre-test* score for the experimental class II was 61.28 and the average *post-test* score was 77 with an increase in learning outcomes of 25.64%. Based on the results of the calculation of the hypothesis test obtained $t_{count} > t_{table}$ (1.845 > 1.667) then the hypothesis is accepted. The results showed that there was a positive and significant influence between the *Jigsaw Cooperative* learning model and the *STAD* learning model on learning outcomes in the eyes *OTK Means and Infrastructure* lessons for class XI SMK Negeri 1 Medan T.A 2022/2023.

Keywords: *Jigsaw Cooperative Learning Model, STAD Learning Model, Learning Outcomes of OTK Facilities and Infrastructure*

