ABSTRAK

Muara Hasiholan Simarangkir, Nim 5192131002. Pengaruh Model Pembelajaran *Self Directed Learning* di Era Merdeka Belajar Terhadap Hasil Belajar Dasar Program Keahlian pada Elemen Alat Ukur dan Alat Uji Kelistrikan Siswa Kelas X Teknik Instalasi Tenaga Listrik di SMK Negeri 5 Medan

Penelitian ini bertujuan untuk mengetahui tingkat Perbedaan Hasil Belajar Dasar Program Keahlian pada Elemen Alat Ukur dan Alat Uji Kelistrikan antara siswa yang diajarkan dengan Model Pembelajaran *Self Directed Learning* dan siswa yang diajarkan dengan Model Pembelajaran *Cooperative Learning tipe Discovery Learning* pada Siswa Kelas X TITL SMK Negeri 5 Medan Tahun Ajaran 2023/2024.

Metode yang digunakan dalam penelitian ini adalah *quasi* eksperimen, yang dalam pelaksanaannya sengaja diberikan perlakuan (*treatment*) kepada kelompok eksperimen. Populasi dalam penelitian ini adalah seluruh siswa kelas X TITL di SMK Negeri 5 Medan dan sampel penelitian ini terdiri dari 2 kelas. Sampel dalam penelitian ini dipilih secara acak menggunakan teknik *cluster random sampling*, dimana kelas yang menggunakan model pembelajaran *Self Directed Learning* (kelas eksperimen) adalah kelas X-TITL 1 yang berjumlah 34 siswa serta kelas yang menggunakan model pembelajaran *Cooperative Learning tipe Discovery Learning* (kelas kontrol) adalah kelas X-TITL 3 yang berjumlah 34 siswa. Jadi total subjek yang akan diteliti adalah sebanyak 68 siswa.

Berdasarkan hasil analisis data terdapat perbedaan hasil belajar Dasar Program Keahlian pada Elemen Alat Ukur dan Alat Uji Kelistrikan antara Model Pembelajaran *Self Directed Learning* dengan Model Pembelajaran *Cooperative Learning tipe DiscoveryLearning*, dimana hasil belajar yang menerapkan Model Pembelajaran *Self Directed Learning* lebih tinggi dari hasil belajar yang menerapkan Model Pembelajaran *Cooperative Learning tipe DiscoveryLearning*. Nilai rata-rata *pre-test* pada kelompok eksperimen yang diajar dengan Model Pembelajaran *Self Directed Learning* sebesar 69,29 dan nilai rata-rata *post-test* sebesar 84,85. Nilai rata-rata *pre-test* pada kelompok kontrol yang diajar dengan Model Pembelajaran *Cooperative Learning tipe Discovey Learning* sebesar 68,68 dan nilai rata-rata *post-test* sebesar 74,62.

Hasil analisis Uji-t dengan taraf signifikansi 5%, hasil uji hipotesis menunjukkan $t_{hitung} = 7,932$ dan bila dikonsultasikan dengan nilai tabel "t" pada taraf signifikan 0,05 dengan dk $= 34 + 34 - 2 = 66$ yang bernilai $t_{tabel} = 1,668$. Dengan membandingkan t_{hitung} dan t_{tabel} maka diperoleh $(7,932 > 1,668)$, sehingga dapat disimpulkan bahwasannya hasil belajar yang diajar dengan menggunakan model pembelajaran *Self Directed Learning* lebih tinggi daripada hasil belajar yang diajar menggunakan model pembelajaran *Cooperative Learning tipe Discovery Learning*.

Kata Kunci : Model Pembelajaran, *Self Directed Learning*, *Cooperative Learning tipe DiscoveryLearning,* **Hasil Belajar Elemen Alat Ukur**

ABSTRACT

Muara Hasiholan Simarangkir, Nim 5192131002. *The Influence of the Self Directed Learning Model in the Era of Independent Learning on the Basic Learning Outcomes of the Skills Program on Elements of Measuring Tools and Electrical Testing Equipment for Class X Students in Electrical Power Installation Engineering at SMK Negeri 5 Medan*

This research aims to determine the level of difference in Basic Learning Outcomes of the Skills Program in the Elements of Measuring Instruments and Electrical Testing Equipment between students taught using the Self Directed Learning Learning Model and students taught using the Discovery Learning Type Cooperative Learning Model in Class X TITL SMK Negeri 5 Students Medan Academic Year 2023/2024.

The method used in this research was quasi-experimental, in which treatment was deliberately given to the experimental group. The population in this study were all class X TITL students at SMK Negeri 5 Medan and the research sample consisted of 2 classes. The sample in this study was chosen randomly using a cluster random sampling technique, where the class that used the Self Directed Learning learning model (experimental class) was the X-TITL 1 class with a total of 34 students and the class that used the Discovery Learning type Cooperative Learning model (control class) is class X-TITL 3, totaling 34 students. So the total subjects to be researched are 68 students.

Based on the results of data analysis, there are differences in the Basic Skills Program learning outcomes in the Elements of Measuring Instruments and Electrical Testing Equipment between the Self Directed Learning Learning Model and the Discovery Learning type Cooperative Learning Model, where the learning outcomes that apply the Self Directed Learning Model are higher than the learning outcomes that apply. implementing the Discovery Learning type Cooperative Learning Model. The average pre-test score in the experimental group taught using the Self Directed Learning Model was 69.29 and the average post-test score was 84.85. The average pre-test score in the control group taught with the Cooperative Learning Learning Model type Discovery Learning was 68.68 and the average post-test score was 74.62.

The results of the t-test analysis with a significance level of 5%, the results of the hypothesis test show $t\_count = 7.932$ and when consulted with the table value "t" at a significance level of 0.05 with $dk = 34 + 34 - 2 = 66$ which has a value of $t\_table = 1.668$. By comparing t_count and t_table, we obtain $(7.932 > 1.668)$, so it can be concluded that the learning outcomes taught using the Self Directed Learning learning model are higher than the learning outcomes taught using the Discovery Learning type Cooperative Learning model.

Keywords: Learning Model, Self Directed Learning, Cooperative Learning type Discovery Learning, Learning Outcomes Elements of Measuring Tools