ABSTRAK

Helton Sagala, Nim 5193331007. Pengaruh Model Pembelajaran *Active Learning tipe Questions Students have* (QSH) Terhadap Hasil Belajar Dasar Listrik dan Elektronika Siswa Kelas X TITL di SMK Swasta Teladan Medan.

Penelitian ini bertujuan untuk mengetahui tingkat Perbedaan Hasil Belajar pada Dasar Listrik dan Elektronika antara siswa yang diajarkan dengan Model Pembelajaran *Active Learning* tipe *Questions Students Have* (QSH) dan siswa yang diajarkan dengan Model Pembelajaran *Discovery Learning* pada Siswa Kelas X SMK Swasta Teladan Medan.

Metode yang digunakan dalam penelitian ini adalah *quasi* eksperimen, yang dimana dalam pelaksanaannya sengaja diberikan perlakuan (*treatment*) kepada kelompok eksperimen. Populasi dalam penelitian ini adalah seluruh siswa kelas X TITL di SMK Swasta Teladan Medan dan sampel penelitian ini terdiri dari 2 kelas. Kelas Eksperimen adalah X-TITL 1 yang berjumlah 30 siswa serta Kelas Kontrol adalah kelas X-TITL 2 yang berjumlah 30 siswa. Jadi total subjek yang akan diteliti adalah sebanyak 60 siswa.

Berdasarkan hasil analisis data terdapat perbedaan hasil belajar terhadap Dasar Listrik dan elektronika yang digunakan antara Model Pembelajaran *Active Learning tipe Questions Students Have* (QSH) dengan Model Pembelajaran *Discovery Learning*, hasil belajar yang menggunakan Model Pembelajaran *Active Learning tipe Questions Students Have* (QSH) lebih tinggi dari hasil belajar yang menggunakan Model Pembelajaran *Discovery Learning*. Nilai rata-rata *post-test* pada kelompok eksperimen yang diajar dengan Model Pembelajaran *Active Learning tipe Questions Students Have* (QSH) dengan nilai rata-rata sebesar 80,11. nilai rata-rata *post-test* pada kelompok kontrol yang diajar dengan Model pembelajaran *Discovery Learning* dengan nilai rata-rata sebesar 67,89.

Hasil analisis uji beda yang memakai Uji-t dengan taraf signifikansi 5% menunjukkan bahwa terdapat perbedaan antara pembelajaran yang diajarkan dengan Model Pembelajaran *Active Learning tipe Questions Students Have* (QSH) dengan pembelajaran yang diajarkan dengan Model Pembelajaran *Discovery Learning*. Hasil uji hipotesis menunjukkan t_{hitung} = 4,808 dan bila dikonsultasikan dengan nilai tabel "t'' pada taraf signifikansi 0,05 dengan dk = 30+30-2 = 58 yang bernilai t_{tabel} = 2,002. Dengan membandingkan t_{hitung} dan t_{tabel} maka diperoleh (4,808 > 2,002), sehingga dapat disimpulkan bahwasanya hasil belajar yang diajar dengan menggunakan Model Pembelajaran *Active Learning tipe Questions Students Have* (QSH) lebih tinggi dari pada hasil belajar yang diajar menggunakan Model Pembelajaran *Discovery Learning*.

Kata kunci : Model Pembelajaran *Active Learning* tipe *Questions Students Have* (QSH) , Hasil Belajar Dasar Listrik dan Elektronika.

ABSTRACT

Helton Sagala, Nim 5193331007. *The Influence of the Questions Students Have (QSH) Active Learning Model on the Basic Electrical and Electronics Learning Outcomes of Class X TITL Students at Teladan Private Vocational School in Medan.*

This research aims to determine the level of difference in learning outcomes in Basic Electricity and Electronics between students taught with the Questions Students Have (QSH) Active Learning Model and students taught with the Discovery Learning Learning Model for Class X Students at Medan Teladan Private Vocational School.

The method used in this research was quasi-experimental, where in its implementation treatment was deliberately given to the experimental group. The population in this study were all class X TITL students at Teladan Private Vocational School in Medan and the research sample consisted of 2 classes. Where the Experiment Class is X-TITL 1, with a total of 30 students and the Control Class is the X-TITL 2 class, with a total of 30 students. So the total subjects to be researched are 60 students.

Based on the results of data analysis, there are differences in learning outcomes regarding the Basics of Electricity and Electronics used between the Active Learning Learning Model of the Questions Students Have (QSH) type and the Discovery Learning Model, where the learning outcomes that use the Active Learning Learning Model of the Questions Students Have (QSH) type are higher. high level of learning outcomes using the Discovery Learning Learning Model. The average post-test score in the experimental group taught using the Questions Students Have (QSH) Active Learning Learning Model with an average score of 80.11. Meanwhile, the average post-test score in the control group taught using the Discovery Learning learning model was 67.89.

The results of the analysis of different tests using the t-test with a significance level of 5% show that there is a difference between learning taught using the Questions Students Have (QSH) Active Learning Learning Model and learning taught using the Discovery Learning Learning Model. Where the results of the hypothesis test show $t\_count = 4.808$ and when consulted with the table value "t" at a significance level of 0.05 with $dk = 30+30-2 = 58$ which has a value of $t\_table = 2.002$. By comparing t_count and t_table, it is obtained $(4.808 > 2.002)$, so it can be concluded that the learning outcomes taught using the Questions Students Have (QSH) Active Learning Learning Model are higher than the learning outcomes taught using the Discovery Learning Learning Model.

Keywords: Active Learning Learning Model type Questions Students Have (QSH), Basic Electrical and Electronics Learning Outcomes.