ABSTRAK

ROY FANS SYAPUTRA SINAGA, NIM. 5131111021. ***Penerapan Setrategi Pembelajaran kuantum (Quantum Teaching) Untuk Meningkatkan Aktivitas Dan Hasil Belajar Gambar Teknik Siswa Kelas X Program Keahlian Gambar Teknik Bangunan SMK Negeri 2 Medan.*** **Skripsi. Fakultas Teknik-Universitas Negeri Medan.2018.**

Penelitian ini merupakan Penelitian Tindakan Kelas (PTK) bertujuan untuk menerapkan model pembelajaran yang dapat meningkatkan aktivitas dan hasil belajar mata pelajaran Gambar Teknik di Kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 2 Medan Tahun 2018/2019 yang berjumlah 31 siswa. Prosedur tindakan dilakukan dalam dua siklus yang masing masing siklus terdiri dari dua kali pertemuan. Setiap siklus terdiri dari tahapan perencanaan (*planning*), tindakan (*acting*), pengamatan (*observing*) dan refleksi (*reflecting*).

Data penelitian diambil dari lembar observasi dan lembar kerja siswa (LKS). Penelitian dikatakan berhasil diukur berdasarkan rata-rata komulatif aktivitas siswa yang menunjukkan peningkatan yang signifikan dan hasil belajar siswa memperoleh nilai minimal 70 dan tuntas secara klasikal jika seluruh kelas >70% siswanya tuntas.

Hasil penelitian menunjukkan perolehan aktivitas belajar siswa pada siklus I adalah sebesar 9,77 terjadi peningkatan pada siklus II dengan skor 14,87, peningkatan tersebut dibuktikan dengan hasil uji t yang menunjukkan peningkatan signifikan terhadap aktivitas belajar yakni diperoleh t hitung (5,067) > t tabel (2.042) dengan taraf signifikan 5 %. Selanjutnya peningkatan hasil belajar siswa pada siklus I sebesar 70,84 dengan kelulusan 54,84% dan siklus II meningkat menjadi 86,65 dengan kelulusan 100%. Hasil uji t menunjukkan terjadinya peningkatan yang signifikan terhadap hasil belajar yakni diperoleh t hitung (4,249)
> t tabel (2.042) dengan taraf signifikan 5 %. Berdasarkan hasil penelitian dapat disimpulkan bahwa dengan penerapan Model Pembelajaran Quantum Teaching dapat meningkatkan aktivitas dan hasil belajar Gambar Teknik Siswa Kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 2 Medan Tahun 2018/2019.

Kata Kunci : *Model Pembelajaran kuantum (Quantum Teaching), Aktivitas Siswa dan Hasil Belajar.*

ABSTRAK

ROY FANS SYAPUTRA SINAGA, NIM. 5131111021. Implementation of Quantum Teaching Strategies (Quantum Teaching) to Increase Activities and Learning Outcomes of Application of Technical Drawings of Class X Students in Building Skills Drawing Program at SMK Negeri 2 Medan.Skripsi. Faculty of Engineering-State University of Medan.2018.

This study is a Classroom Action Research (PTK) aims to apply learning models that can improve the activities and learning outcomes subjects Image Engineering in Class X Students in Building Skills Drawing Program at SMK Negeri 5 Medan Year 2018/2019 which amounted to 31 students. The procedure of action is carried out in two cycles each cycle consisting of two meetings. Each cycle consists of planning, acting, observing and reflecting.

Research data is taken from observation sheet and student worksheet (LKS). The study was said to be successfully measured based on the average of student activity that showed significant improvement and the students' learning outcomes obtained a minimum score of 70 and completed classically if the whole class of 100% of students complete.

The result of the research showed that the learning activity of the students in cycle I was 9.77, the increase was in cycle II with score of 14.87, the increase was proved by the result of t test which showed significant improvement on the learning activity that is obtained t count (5.067) > t table (2,042) with a significant level of 5%. Furthermore, the improvement of student learning outcomes in the first cycle of 70.84 with graduation 54.84% and cycle II increased to 86.65 with 100% graduation. The result of t test shows that there is a significant increase to the learning result that is obtained by t arithmetic (4,249)> t table (2,042) with 5% significant level. Based on the results of the study, it can be concluded that the application of Quantum Teaching Learning Model can increase the activity and learning outcomes of Engineering Drawing of Class X Students of Engineering Drawing Skills in Building SMK Negeri 2 Medan in 2018/2019.

Keywords: Quantum Learning Model (Quantum Teaching), Student Activities and Learning Outcomes..