ABSTRAK

Sara Oki Purwanti. NIM 5133311008. PenerapanModel Pembelajaran *Team Assisted Individualization* (TAI) UntukMeningkatkanHasilBelajarMekanika Teknik Pada Siswa Kelas X SMK Negeri 1 PercutSei Tuan.*Skripsi*. Fakultas Teknik–Universitas Negeri Medan. 2017.

Penelitian ini merupakan Penelitian Tindakan Kelas (PTK), bertujuan untuk menerapkan model pembelajaran yang dapat meningkatkan hasil belajar mata pelajaran Mekanika Teknik pada kompetensidasar Menerapkan cara menyusun gaya dalam struktur bangunan di kelas X Kompetensi Keahlian DesainPemodelandanInformasiBangunan di SMK Negeri 1 PercutSei Tuan yang berjumlah 26 siswa. Prosedur tindakan dikemas ke 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 tes hasil belajar, lembar observasi dan lembar kerja siswa (LKS). Hasil uji coba instrumen penelitian dari 25 soal pada siklus I terdapat 20 soal valid, uji tingkat kesukaran tes terdapat 20 soal sedang, uji daya pembeda tes terdapat 9 soal cukup, dan 11 soal baik, uji reliabilitas tes didapat 0,916 (sangat tinggi). Pada siklus II dari 25 soal terdapat 20 soal valid, uji tingkat kesukaran tes terdapat 20 soal sedang, uji daya pembeda tes terdapat 6 soal baik, dan 14 soal cukup, uji reliabilitas tes didapat 0,829 (sangat tinggi).

Hasil penelitian menunjukkan perolehan aktivitas belajar siswa pada siklus I sebesar 71,15meningkat pada siklus II dengan nilai rata-rata 83,27. Selanjutnya perolehan hasil belajar siswa pada siklus I mencapai 75,00 dengan persentase kelulusan73% meningkat pada siklus II menjadi 80.34 dengan persentase lulus 100%. Berdasarkan hasil penelitian dapat disimpulkan bahwa model pembelajaran *Team Assisted Individualization* (TAI) dapat meningkatkan hasil belajar siswa pada mata pelajaran mekanika teknik siswa kelas X Kompetensi Keahlian Desain Pemodelan dan Informasi Bangunan SMKNegeri 1 Percut Sei Tuan

Kata Kunci: *Model Pembelajaran Team Assisted Individualization (TAI), Hasil Belajar.*

ABSTRACT

Sara Oki Purwanti. NIM 5133311008. Application of Learning Model of Team Assisted Individualization (TAI) To Improve Learning Mechanics Results In Grade X Students of SMK Negeri 1 Percut Sei Tuan. Skripsi. Faculty of Technique – State University of Medan. 2017.

This research is a Classroom Action Research (CAR), aims to apply learning models that can improve the learning outcomes of subjects Mechanics Mechanics on basic competencies Apply how to arrange the style in the building structure in class X Design Modeling and Building Informationin SMK Negeri 1 Percut Sei Tuan of 26 students. The action procedure wascreated into two cycles, each cycle consited of two meetings. Each cycle consists of planning, acting, observing and reflecting.

The research data is taken from the test of learning result, observation sheet and student worksheet.. The results of the research instrument test of 25 questions on the first cycle there are 20 valid questions, test the difficulty level there are 20 medium questions, the distinguishing energy testthere are 9 questionsenough, and 11 good test, the reliability test got 0,916 (very high). At cycle II from 25 questions obtained 20 valid questions, the difficulty there are 20 medium questions, the the distinguishing energy test there are 6 good questions, and 14 questions enough, thr reliability test obtained 0.829 (very high).

The results of research show activity learn student at cycle I equal to 71.15 increased in cycle II with an average of 83.27. Hereinaftar, the acquisition of student learning outcomes in the first cycle reached 75.00 with 73% passing percentage increased in cycle II to 80.34 with 100% pass percentage. Based on the results of this study, it can be concluded that the learning model of Team Assisted Individualization (TAI) can improve student learning outcomes in the subjects of mechanical engineering students of class X Competence of Design Modeling and Building Information SMK Negeri 1 Percut Sei Tuan

Keywords : *Learning Model Team Assisted Individualization (TAI), Student Result of Learning*