ABSTRAK

Monika Siahaan. NIM 5133311012. Peningkatan Aktivitas dan Hasil Belajar Siswa Melalui Model Pembelajaran *Team Assisted Individualization* (TAI) Pada Mata Pelajaran Mekanika Teknik Kelas X SMK Negeri 2 Medan. *Skripsi*. Fakultas Teknik – Universitas Negeri Medan. 2017.

Penelitian ini merupakan Penelitian Tindakan Kelas (PTK), bertujuan untuk menerapkan model pembelajaran yang dapat meningkatkan aktivitas dan hasil belajar mata pelajaran Mekanika Teknik pada kompetensi dasar Menerapkan besaran skalar, vektor, sistem satuan, menguraikan dan menggabungkan gaya dan hukum Newton di kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 2 Medan yang berjumlah 34 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 30 soal pada siklus I terdapat 24 soal valid, uji tingkat kesukaran tes terdapat 8 soal mudah dan 16 soal sedang, uji daya pembeda tes terdapat 1 soal buruk, 7 soal cukup, 8 soal baik, dan 8 soal baik sekali, uji reliabilitas tes didapat 0,87 (sangat tinggi). Pada siklus II dari 30 soal terdapat 25 soal valid, uji tingkat kesukaran tes terdapat 4 soal mudah dan 21 soal sedang, uji daya pembeda tes terdapat 8 soal baik, dan 17 soal baik sekali, uji reliabilitas tes didapat 0,92 (sangat tinggi).

Hasil penelitian menunjukkan perolehan aktivitas belajar siswa pada siklus I sebesar 70,22 meningkat pada siklus II dengan nilai rata-rata 83,16. Selanjutnya perolehan hasil belajar siswa pada siklus I mencapai 75,25 dengan persentase kelulusan 70,59% meningkat pada siklus II menjadi 84,47 dengan persentase lulus 100%. Berdasarkan hasil penelitian dapat disimpulkan bahwa model pembelajaran *Team Assisted Individualization* (TAI) dapat meningkatkan aktivitas dan hasil belajar siswa pada mata pelajaran mekanika teknik siswa kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 2 Medan.

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

ABSTRACT

Monika Siahaan. NIM : 5133311012. The increasing of activity and student's Learning outcomes with the Model Team Assisted Individualization (TAI) at Mechanics Mechanical Engineering of Student Class X State Vocational High School 2 Medan. Skripsi. Faculty of Technique – State University of Medan. 2017.

This research represent the Research of Class Action aim to aplly the study model which can improve the activity and the result of study subjects Mechanics Mechanical Engineering on basic competencies Applying scalar, vector, unit system, elaborate and combine style and Newton's laws of Student Class X Program The Architecture Engineering Expertise of State Vocational High School 2 Medan amounting to 34 students, Action procedure is created into two cycles which is each cycle consisted of twice meeting. Each cycle consisted by the planning step planning, acting, observing and reflecting.

File research taken away from the test of result learning student, sheet of observation and spread sheet student. Result of test-drive from research instrument 30 questions. At cycle I there 24 valid questions, test the difficulty level there are 8 easy questions and 16 medium questions, the distinguishing energy test got 1 ugly question, 7 question enough, 8 good question and 8 very good question, the reliability test got 0,82 (very high). At cycle II from 30 questions obtained 25 valid questions, the test difficulty level there are 4 easy questions and 21 medium questions, the distinguishing energy test got 8 good question and 17 very good question, the reliability test got 0,92 (very high).

Result of research show activity learn student at cycle I equal to 70,22 mounting at cycle II with tired class average 83,16. Hereinafter result of learning student, at cycle I Mean result of learning student at tired cycle I 75,25 with percentage pass 70,59% mounting at cycle II become 84,47 with percentage 100%. Pursuant to inferential research the result that with the Learning Model Team Assisted Individualization (TAI) can Improve The Activity and Result of Learning Student at Mechanical Engineering of Student Class X Program The Architecture Engineering Expertise State Vocational High School 2 Medan.

Keywords   : Learning Model Team Assisted Individualization (TAI), Student Activity and Result of Learning.