ABSTRAK

Nisa Iralla NIM 5192411002 : Penerapan Model Pembelajaran Kooperatif Tipe TAI (*Team Assisted Individualization*) Untuk Meningkatkan Hasil Belajar Dasar-Dasar DPIB Kelas X Desain Pemodelan Dan Informasi Bangunan SMK N 14 Medan. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2024.

Penelitian ini merupakan Penelitian Tindakan Kelas (PTK), bertujuan untuk menerapkan model pembelajaran yang dapat meningkatkan hasil belajar mata pelajaran Dasar-dasar DPIB pada Elemen 2 Perkembangan Teknologi dan Isu-isu Global terkait *Green Building* dan *Suistainable Building* di Kelas X DPIB Program Keahlian Desain Pemodelan dan Informasi Bangunan di SMK N 14 Medan yang berjumlah 30 orang siswa. Prosedur tindakan dilaksanakan dalam 2 siklus yang masing-masing siklus terdiri dari dua pertemua. Setiap Pertemuan 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 1 terdapat 20 soal valid, uji tingkat kesukaran test terdapat 3 soal sukar, 4 soal sedang dan 14 soal mudah, uji pembeda tes terdapat 6 soal baik dan 14 soal cukup, uji reliabilitas 0,865 (sangat tinggi). Pada Siklus II dari 30 soal terdapat 21 soal valid,uji tingkat kesukaran test terdapat 2 soal sukar, 4 soal sedang dan 15 soal mudah, uji pembeda tes terdapat 6 soal baik dan 14 soal cukup dan 1 soal jelek, uji reliabilitas 0,854 (sangat tinggi).

Hasil penelitian menunjukan perolehan aktivitas belajar siswa pada siklus I rata-rata 68 menjadi 89,5 pada siklus II mengalami peningkatan rata-rata sebesar 31,61%. Selanjutnya perolehan hasil belajar dari siklus I rata rata 75,66 menjadi 89,02 terjadi peningkatan hasil belajar pada siklus II dengan rerata kelas mencapai 89,02 dengan ketercapaian kelas lulus 100%. Berdasarkan hasil penelitian bahwa melalui model pembelajaran TAI pada mata pelajaran Dasar-dasar DPIB Kelas X DPIB SMK N 14 Medan dapat meningkatkan hasil belajar siswa.

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

ABSTRACT

Nisa Iralla NIM 5192411002: Application of the TAI (Team Assisted Individualization) type cooperative learning model to improve learning outcomes of the basics of DPIB Class X Building Modeling and Information Design of SMK N 14 Medan. Thesis. Faculty of Engineering, State University of Medan. 2024

This research is a Classroom Action Research (PTK), aims to apply a learning model that can improve the learning outcomes of DPIB Basics subjects in Element 2 of Technology Development and Global Issues related to Green Building and Sustainable Building in Class X DPIB Building Modeling and Information Design Expertise Program at SMK N 14 Medan totaling 30 students. The action procedure is carried out in 2 cycles, each cycle consisting of two meetings. Each meeting consists of stages of planning, acting, observing, and reflecting.

The research data was taken from learning outcome tests, observation sheets and Student Worksheets (LKS). The results of the research instrument trial of 30 questions in cycle 1 there are 20 valid questions, the difficulty test has 3 difficult questions, 4 medium questions and 14 easy questions, the test differentiator test has 6 good questions and 14 questions are sufficient, the reliability test is 0.865 (very high). In Cycle II of the 30 questions there are 21 valid questions, the difficulty test has 2 difficult questions, 4 medium questions and 15 easy questions, the test differentiator test has 6 good questions and 14 questions are sufficient and 1 question is bad, the reliability test is 0.854 (very high).

The results showed that the acquisition of student learning activities in the first cycle averaged 68 to 89.5 in the second cycle increased by an average of 31.61%. Furthermore, the acquisition of learning outcomes from the first cycle averaged 75.66 to 89.02, there was an increase in learning outcomes in the second cycle with an average class of 89.02 with 100% graduating class achievement. Based on the results of research that through the TAI learning model in the Basics of DPIB Class X DPIB SMK N 14 Medan subjects can improve student learning outcomes.

Keywords: Team Assisted Individualization (TAI) Learning Model, Learning Outcomes