ABSTRAK

RONASIB PARDOSI, NIM 5113111036. *Pengaruh Model Pembelajaran Team Assisted Individualization Dan Metode Pembelajaran Konvensional Terhadap Hasil Belajar Ilmu Bahan Bangunan Siswa Kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 1 Balige.* Skripsi, Fakultas Teknik Universitas Negeri Medan.

Penelitian ini bertujuan untuk mengetahui sejauh mana pengaruh model pembelajaran *Team Assisted Individualization* terhadap hasil belajar Ilmu Bahan Bangunan. Populasi penelitian adalah siswa Kelas X Teknik Gambar Bangunan (TGB) Program Keahlian Teknik Gambar Bangunan yang berjumlah 56 siswa. Sampel dalam penelitian adalah kelas TGB 2 sebagai kelompok Eksperimen yang berjumlah 28 siswa dan sebagai pembanding adalah kelas TGB 1 sebagai kelompok kontrol yang berjumlah 28 siswa. Variabel penelitian ada dua yaitu model pembelajaran *Team Assisted Individualization* dan metode pembelajaran Konvensional sebagai variabel bebas dan hasil belajar mata pelajaran Ilmu Bahan Bangunan sebagai variabel terikat.

Sebelum penelitian ini dilaksanakan instrument penelitian terlebih dahulu di uji cobakan dilanjutkan dengan uji validitas digunakan rumus korelasi biserial dan uji reliabilitas digunakan rumus K-R20. Instrumen tes hasil belajar Ilmu Bahan Bangunan yang valid diperoleh 23 butir dari 30 butir tes yang di ujicobakan, dan koefisien reliabilitasnya sebesar 0,9410.

Dari hasil penelitian diperoleh hasil F_{hitung}= 7,919 dan F_{tabel} = 4,022, disimpulkan bahwa hasil belajar Ilmu Bahan Bangunan yang menggunakan model pembelajaran *Team Assisted Individualization* dan metode pembelajaran konvensional menunjukkan perbedaan. Dari perhitungan uji t diperoleh bahwa t_{hitung} = 2,814 > t_{tabel}= 1,693, berarti terima *Ha* dan *Ho* ditolak. Sehingga dapat disimpulkan bahwa terdapat perbedaan hasil belajar, dengan kata lain model pembelajaran *Team Assisted Individualization* memberikan pengaruh yang lebih baik terhadap hasil belajar Ilmu Bahan Bangunan pada siswa kelas X Program Keahlian Teknik Gambar Bangunan SMK Negeri 1 Balige Tahun Ajaran 2015/2016.

Kata kunci : *Team Assisted Individualization,* Hasil Belajar

ABSTRACK

RONASIB PARDOSI, NIM 5113111036. ***The influence of Team Assisted Individualization learning model and Conventional learning methods toward learning outcome of Building Material Science of the 10th grade students of Architecture Engineering Program, SMK Negeri 1 Balige.*** **Undergraduate Thesis, Faculty of Engineering, University of Medan.**

This research aims to determine the influence the Team Assisted Individualization model of learning to the outcomes of Building Material Science. The research is class 10th techniques of building program engineered a picture of the building amounted to 56 students. Study sampel this is a grade 10th techniques of building 2 as a group of experiments that amounted to 28 students and as the benchmark i use are the 10th techniques of building 1 as a control group of 28 students. There are two variables of this study. First, model of learning Team Assisted Individualization model of learning and Conventional model of learning as independent variable. Second, the Outcome of Building Material Science subject will be the dependent variable.

Before this research is conducted, previously, the research instruments will be tested, and then will continue to validity test by using biserial correlation and reliability testing with K-R20 formula. A valid test instrument on the learning outcome of Building Material Science, is obtained 23 out of 30 tests that is tested, the reliability coefficient is 0,9410.

The result of the study obtained, Fcalculate = 7.919 and Ftable = 4.022. it is concluded that the learning outcome of Building Material Science using Team Assisted Individualization model and Conventional Learning method, shows differences. By the calculation of t test, t calculate = 2.814 > t table = 1.693. Which means Ha and Ho is rejected. In conclusion, there are differences in learning outcomes, in other words, Team Assisted Individualization learning gives a better influences to the learning outcome of Building Material Science for the 10th grade students of Architecture Engineering Program, SMK Negeri 1 Balige 2015/2016.

Keywords : *Team Assisted Individualization,* Learning outcomes