

ABSTRACT

Rizky Ramadhan. *Correlation Between Three-Dimensional Learning Media (Sketch Up) and Learning Outcomes of Student on Subject Types of Wood Construction in Competency Skills of Drawing Building Engineering. Essay. Jakarta, Education of Building Engineering Studies Program, Faculty of Engineering, State University of Jakarta, 2017. Lecturer: Drs. Arris Maulana, M.T. dan Drs. Doddy Rochadi, M. Pd.*

This study aims to know the correlation between three-dimensional media to learning outcomes on subject types of wood construction of students at SMKN 56 Jakarta in competency skills of Drawing Building Engineering 10th grade and The three-dimensional visual learning media assist students in understanding the subject types of wood construction.

Data analysis technique that using is quantitative technique with quasi experiment method. The sample of this study is 10 grade students of Drawing Building Engineering which amounts to 56 students and divided into to 2 classes, that is control class (the class that using conventional media) with 28 students and experimental class (the class that using three-dimensional media) which amounts to 28 students. The data analysis used two independent samples t – test..

The learning outcomes before learning of types of wood construction shows that the control class is between 45-95 with average 73,03. The learning outcomes of experimental class is between 50-95 with average 71,96. Meanwhile the learning outcomes after learning types of wood construction shows that the control class between 50-95 with average 75,17 and the experimental class is between 65-95 with average 85,17. Then the result be treated with T-test discovered $t_{calculate} = 3,595$ and $t_{table} = 2,056$, so can be concluded that the $t_{calculate} \geq t_{table}$ or $3,595 > 2,056$ which means there is different between control class and experimental class.. So we can conclude three-dimensional media development more effectively used in the learning process class X SMK Negeri 56 Jakarta.

Keywords: *Three-dimensional Media, Types of Wood Construction, Learning Outcomes.*