

ABSTRACT

Surya Adhitya Bambang. 2014. *The Effect of Realistic Mathematics Learning Approach toward The Ability of mathematics Connection at Class X of SMK Negeri 1 Batudaa (A research conducted at class X of SMK N i Batudaa in 2012/2013 Academic Year). Skripsi. Department of Mathematics Education, Faculty of Mathematics and Natural Sciences, Universitas Negeri Gorontalo. The Principal supervisor was Drs. Abdul Wahab Abdullah, M.Pd and the co-supervisor was Drs. Usman Gani.*

The research aimed to understand the difference of students' connection ability using realistic mathematics learning approach and conventional approach on math subject. Method of research was experimental method with posttest only control group design. Population of research was all the student of SMK Negeri 1 Batudaa and applied cluster simple random sampling technique in taking the sample. Data of research were collected through test to understand the student' ability of mathematics connection on linear program material.

The test was then analyzed by using t test. The result showed that student' ability of mathematics connection which were taught by using realistic mathematics learning approach were higher than the conventional learning. It can be seen from the average score of student which were 60,133 for student which were taught by using contextual learning while 70,433 for the students which were taught by using conventional learning. Thus, the research hypothesis was accepted.

Keyword: Students' Ability of Mathematics Connection and Realistic Mathematics Learning Approach