

ABSTRACT

Revi Agusta (2018). “**Enhancing Mathematical Connection Ability and Habits Of Mind for Vocational Students through Alberta Model Inquiry Learning**”

The problem behind this research is that the mathematical connection ability and students' habits of mind are still low. The purpose of this study are: 1) To determine the increase in mathematical connection ability students who obtained Alberta Model Inquiry learning were higher than students who obtained the Problem Based Learning model; 2) To find out Habits of Mind students who obtain Alberta Model Inquiry learning are better than students who obtain Problem Based Learning models; 3) Knowing the effectiveness of Alberta Model Inquiry learning for mathematical connection capabilities. The research method used is quasi-experimental method with pretest and posttest design. The population in this research were students of class XI National Bandung Vocational High School in 2018-2019. The sample of this research is students of class XI Office Accommodation as an experimental class and students of class XI Multimedia as a control class. The instrument used is a mathematical connection ability test and habits of mind questionnaire. Data analysis uses parametric test on pretest-posttest data through the help of SPSS 20.0 for Windows software and the cohen's d formula to see effectiveness. The results of the research showed that: 1) The improvement of mathematical connection ability of students who obtained Alberta Model Inquiry learning was higher than those who obtained the Problem Based Learning model; 2) Habits of Mind students who obtain Alberta Model Inquiry learning are better than students who obtain Problem Based Learning models; 3) The effectiveness of Alberta Model Inquiry learning for mathematical connection capabilities has a large category of effectiveness. Thus the Alberta Model Inquiry learning can be used as an alternative for teachers in implementing the learning in the classroom.

Keywords: Alberta Model Inquiry Learning, Mathematical Connection Ability, Habits Of Mind.