ABSTRACT

MOHAMAD YUSRIL HUDA. **Increasing Ability To Understand Mathematical Concept And Achieve Self Efficacy Of Mts Miftahulfalah Students In The Covid-19 Pandemic Era Through The Jigsaw Type Of Cooperative Learning Model**

The objectives of this study are 1) To find out the differences in the improvement of mathematical understanding abilities of MTs. Miftahul Falah students who received Jigsaw cooperative learning and conventional learning in the era of the covid-19 pandemic. 2) Knowing the differences in the achievement of MTs students' self-efficacy abilities. Miftahul Falah who obtained the Jigsaw type cooperative learning model and conventional learning in the covid-19 pandemic era. 3) Knowing the correlation between the ability to understand mathematical concepts and self-efficacy using the Jigsaw Cooperative Learning model.4) Knowing the effectiveness of Jigsaw type cooperative learning to improve understanding of mathematical concepts and the achievement of self-efficacy for MTs students in the covid-19 pandemic era. The research method used is a quasi-experimental or quasi-experimental method. In this study, the researcher used a group of research subjects from a certain population, then randomly grouped them into two groups, namely the experimental group and the control group. The research instrument used was a test for understanding mathematical concepts and a Self-Efficacy questionnaire. The collected data is then processed using IBM SPSS 25.00 for Windows Software. Based on the results of the study, it was concluded that 1) The increase in the ability to understand mathematical concepts of students who obtained Cooperative Learning was higher than the increase in understanding of mathematical concepts of students who received ordinary or conventional learning methods, 2) The achievement of Self-Efficacy of students who received Jigsaw Cooperative Learning in schools showed the results were not significantly better than the control class Self-Efficacy obtained the conventional learning model. 3) The learning process according to the Cooperative Learning syntax adapts to online learning during the Covid-19 pandemic. 4) Effectiveness in improving the ability to understand mathematical concepts using jigsaw cooperative learning and achieving self-efficacy in MTs in the COVID-19 pandemic era is not better than using conventional learning.

Keywords: Mathematical Concept Understanding Ability, Self-Efficacy, Jigsaw Cooperative Learning Model.