

ABSTRACT

Awaludin, W. R. (2019). *Improved Communication Skills and Mathematical Disposition of High School Students through the LAPS-Heuristic Model.*

Communication in learning mathematics has an important role that must be had by every student in shaping mathematics knowledge and skills. In fact students' mathematical communication skills are still lacking. One reason is that teachers do not provide opportunities for students to come up with ideas or ideas during the learning process and students are not given the opportunity to construct their own knowledge and apply it in real life, in other words learning is more centered on the teacher. Based on this in this study developed a mathematical learning using the LAPS-Heuristic model. The purpose of this study was to find out which mathematical communication skills gained higher learning using the LAPS-Heuristic model with conventional learning, to find out which better mathematical disposition of students who obtained learning using the LAPS-Heuristic model with conventional learning, and to find out relationship or correlation between mathematical communication skills and mathematical disposition of students who obtain learning using the LAPS-Heuristic model. The method used in this study is a quasi-experimental method. In this study, the population was class X IPS students of PASUNDAN 7 Bandung High School, subjects were not randomly grouped but instead received modest subjects. The instruments used in this study were tests of mathematical communication skills and mathematical disposition. The test consists of an initial test (pretest) and a final test (posttest). The test was tested first. Based on the trial results all questions can be used. Based on the results of data analysis using the SPSS 20.0 for Windows software program and hypothesis testing it is concluded that the mathematical communication skills obtained by learning using the LAPS-Heuristic model are higher than those using conventional learning, the mathematical disposition of students who obtain learning using the LAPS-Heuristic model is better than those who obtain conventional learning and there is a relationship or correlation between mathematical communication skills and mathematical disposition of students who obtain learning using the LAPS-Heuristic model.

Keywords: *LAPS-Heuristic Model, Mathematical Communication Ability and Mathematical Disposition*