

ABSTRACT

Destiana Putri. (2018). **Influence of Learning Problem Problem Solving LAPS-Heuristic Polya Model on Mathematical Communication Ability and Self-Confidence of Junior High School Students..**

Mathematical communication skills have an important role in the success of students mastering mathematics material. But in reality this capability is still inadequate. Self-confidence of students must be planted and cultivated in students, because seeing the role of Self-confidence in learning mathematics is very important. This study aims to: (1) find out the results of the learning approach of the LAPS-Heuristic problem solving model of Polya obtained better than students who obtain conventional learning; (2) knowing the Self-confidence of students who received the Polya Laps-Heuristic learning better than students who obtained conventional learning models; (3) knowing that there is a positive correlation between mathematical communication skills and self-confidence of students who obtain the Laps-Heuristic pattern of the model. The method used in this study is an experimental method with pretest-posttest control research design. The population in this study were all students of clas VII SMP Pasundan 3 Bandung. The research sample consists of 2 classes. Class VII F as an experimental class was obtained which obtained the Polya Laps-Heuristic model and class VII G as the control class which obtained the expository learning model. The instrument used in this study was a mathematical communication ability test description problem and a Self-confidence scale. The data collected is then processed using IBM SPSS 20.0 for Windows software. The results showed that: (1) the mathematical communication ability of students who received the Polya Laps-Heuristic model learning was better than students who obtained conventional learning models; (2) Self-confidence of students who obtained the Polya Laps-Heuristic model learning better than students who obtained Conventional learning models; (3) there is a correlation between mathematical communication skills and self-confidence of students who obtain the Laps-Heuristic model of the learning model.

Keywords : Polya Laps Heuristic model, mathematical communication skills,
Self-confidence