

ABSTRACT

Zhieyan Amelia. The Implementation of LAPS (*Logan Avenue Problem Solving*)-Heuristics Learning Model to Improve Mathematical Creative Thinking Ability of Junior High School Students.

The cause of low students' creativity in learning mathematics is because the students are not given the opportunity to develop their potency. One alternative that can accommodate mathematical creative thinking ability is LAPS-Heuristics learning model. As for this study aims to: (i) determine whether the increased mathematical creative thinking ability of students who obtain mathematics learning using LAPS-Heuristics learning model is better than those who obtain conventional learning, (ii) determine the students' attitudes toward mathematics learning using a LAPS-Heuristics model. (iii) determine whether there is a correlation between LAPS-heuristic learning model with the students' attitudes. This study uses a quasi-experimental method and correlational method. This study population is the students of SMP Pasundan 6 Bandung. As for the sample is VIII grade students of SMP Pasundan 6 Bandung chosen randomly by class. The research instrument used is in the form of mathematical creative thinking ability tests that have previously been tested and the results of all questions are significant, as well as the attitude scale questionnaire. The test used is description type test (pre-test and post-test). Data analysis is performed using normality test and Mann-Whitney test. Based on the analysis of research data, we conclude that the increased mathematical creative thinking ability of students who obtain LAPS-Heuristics learning model is better than those who obtain conventional learning, students' positive attitude towards LAPS-Heuristics learning model, and there is no correlation between ability to think mathematically creative with students' attitude. Thus, the LAPS-Heuristics learning model can be used as an alternative in learning with respect to time in the implementation, class management, and other references used.

Keywords : LAPS (*Logan Avenue Problem Solving*)-Heuristics, mathematical creative thinking.