

## ABSTRACT

### **Kurniawan, The Effect of Learning Model of Problem Centered Learning to the ability of Mathematics Problem Solving Students SMK.**

Mathematics as part of science and became a science basis for the development of other disciplines. In math there are problems to be solved. Therefore, students are required to have good problem-solving ability. But in reality the problem solving ability of students is still low, it is proved there are still many students who can't solve problems in mathematics. One alternative learning that can improve the ability of mathematical problem solving is a learning model Problem Centered Learning. The purpose of this study was 1) to determine the mathematical problem solving ability of students who received teaching model Problem Centered Learning is better than the students who received learning Problem Based Learning; 2) to determine the students' attitudes toward learning mathematics with a model of Problem Centered Learning; 3) to determine the correlation between mathematical problem solving abilities and attitudes. This study used an experimental method. The study population was all class XI student of SMK MVP International ARS Bandung academic year 2016/2017. And samples taken as much as two randomly chosen class by class. The research instrument used is test type description of problems and problem-solving abilities attitude scale questionnaire. Data analysis was performed using normality test, homogeneity test, and t test. Based on the analysis of research data, we concluded: 1) mathematics problem solving ability of students who get a learning model Problem Centered Learning is better than students who had learning model Problem Based Learning; 2) students' positive attitudes towards learning mathematics by using model Problem Centered Learning; 3) there is a low positive correlation between math problem-solving skills with students' attitudes toward learning mathematics using model Problem Centered Learning.

**Key Words : Problem Centered Learning, Problem Based Learning, Mathematics Problem Solving.**