

## ABSTRACT

Vika Octavia Sila Azalna. (2022). **Application of The Means-Ends Analysis (MEA) Learning Model To Improve Mathematical Problem Solving Ability and Self-Confidence of high school Student**

This study aims to determine the improvement of students' mathematical problem solving capabilities that obtain a learning model Means-Ends Analysis (MEA) is higher than students who gets conventional learning models, knowing the self-confidence of students who obtains the learning model means-ends analysis (MEA) better Instead of students who gets conventional learning models, and know the correlation between mathematical problem solving skills and self-confidence students who gets the Means-Ends Analysis (MEA) learning model. The method used in this study was quasi-experimental with a non-equivalent control group design and using purposive sampling techniques. The subjects of this study were class XI students of Pasundan 1 High School Bandung, which consisted of 36 students of class XI Mipa 4 as an experimental class with the Means-Ends Analysis (MEA) learning model and 36 students of class XI Mipa 5 as a control class with a conventional learning model. The instrument in this study used the form of mathematical problem-solving ability test questions totaling 4 test questions and a self-confidence questionnaire with a total of 30 questionnaire statements. Based on the results of the analysis of research data, it has been obtained: 1) the improvement of mathematical problem-solving ability of students who obtains the Means-Ends Analysis (MEA) model is higher than that of students who obtains conventional learning models; 2) students who acquires the Means-Ends Analysis (MEA) learning model have better self-confidence than students who acquires conventional learning models; 3) there is a correlation between mathematical problem-solving ability and self-confidence of students who obtained the Means-Ends Analysis (MEA) learning model.

**Keywords:** Mathematical Problem Solving Ability, Means-Ends Analysis (MEA) Model, Self-confidence.