

## ABSTRACT

### THE EFFECT OF DISCOVERY LEARNING MODEL ASSISTED BY GOOGLE CLASSROOM ON MATHEMATICAL PROBLEM SOLVING ABILITY AND SELF-EFFICACY OF JUNIOR HIGH SCHOOL STUDENT

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*The purpose of this study was to determine whether the mathematical problem-solving ability who received the Google Classroom-assisted Discovery Learning model was higher than the students who received the Discovery Learning model, to find out whether the self-efficacy who received the Discovery Learning model was better than the students who received the Discovery model. Learning, to find out whether there is a correlation between mathematical problem solving abilities and self-efficacy of junior high school students with the Google Classroom-assisted Discovery Learning model. The method used in this research is quasi-experimental research with a nonequivalent control group design. The subjects of this study were students of class VIII at SMP Negeri 40 Bandung in the academic year 2021-2022 as many as two grades were selected according to certain considerations with a sample of 60 students, including 30 students of class VIII-F and 30 students of class VIII-G, where class VIII-F as the experimental class was treated with the Discovery Learning model assisted by Google Classroom and class VIII-G was only treated with the Discovery Learning model. The research instrument used is a mathematical problem solving ability test and a self-efficacy questionnaire. The research instrument used is a mathematical problem solving ability test and a self-efficacy questionnaire. The ability test instrument was given at the pretest and posttest, while the questionnaire was given at the posttest. The data collected from the results of the pretest, posttest, and questionnaire were then processed using IBM SPSS 23 Software for Windows. Based on the results of research data analysis, it can be concluded that 1) the mathematical problem solving ability of students who obtained the Google Classroom assisted Discovery Learning model was higher than students who received the Discovery Learning model. 2) The self-efficacy of students who received the Google Classroom-assisted Discovery Learning model was better than students who received the Discovery Learning model. 3) there is a positive correlation between mathematical problem solving ability and self-efficacy of students who get the Google Classroom-assisted Discovery Learning model.*

**Keyword:** *Problem Solving Ability, Self-efficacy, Discovery Learning Model, Google Classroom*