

**EFFECT OF READING ABILITY AND LEARNING MOTIVATION
ON PROBLEM SOLVING ABILITY
PROBLEM OF MATHEMATICS**

*(Descriptive Quantitative Research in Grade V Elementary Schools
in Lembang District, West Bandung Regency)*

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ABSTRACT

This thesis aims to determine the effect of reading ability and learning motivation on the problem solving ability of math story problems in fifth grade students of elementary schools in Lembang Subdistrict, Bandung Barat District, 2018/2019 school year. The study was motivated by students' difficulties in understanding and finding solutions in solving mathematical story problems. This means that there are several steps that are not taken by students in solving the problem of math story problems. This situation is caused by several causes, namely lack of students' reading ability and lack of student motivation in solving story problems. This research is a Descriptive Quantitative research with a population of 190 students and a sample of 128 students who are determined using the Probability Sampling method with the type of Simple Random Sampling. Data collection uses interviews, questionnaires and documentation. Questionnaire instruments in the form of statements that have been tested for validity and reliability and obtained 30 items valid in all three variables, namely reading ability, learning motivation and problem solving ability with reliability 0.928. Prerequisite test analysis uses normality test, multicollinearity test and hypothesis testing using correlation analysis, multiple regression analysis (partial t test and Simultaneous F test) and SE (Effective Contribution) and SR (Relative Donation) test. The results of the study show that: 1) the ability of students to read math story problems by 73% is good; 2) the current state of student motivation is 72% in the good category; 3) the ability of students to solve math problem problems by 64% is in the good category; 4) There is a significant influence on the ability to read about solving mathematical story problems by 21.9%; 5) There is a significant influence of learning motivation on solving math problem stories by 26.7%; 6) The influence of reading ability and learning motivation on the problem solving ability of math story problems is 48.6%. While 51.4% of problem solving abilities are influenced by variables or other factors that are not examined.

Keywords: reading ability, learning motivation and problem solving ability