

THE EFFECT OF PROBLEM BASED LEARNING FOR PROBLEM SOLVING ABILITY IN 4TH GRADE OF ELEMENTARY SCHOOL

IN EAST JAKARTA

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ABSTRACT

The experimental research studied that aims to obtain empirical data mathematics problem solving ability of student in 4th grade of elementary school was apply problem based learning on learned. The experiment was conducted in Elementary School, East Jakarta especially in fourth grade 1st semester of the school year 2016-2017. Samples were taken using multiple stage random sampling technique. The method used in this study is the experimental method, with form Pretest-Posttest Only Design. Data collected by using essay test instrument and analyzed with normality test, and homogeneity test afterwards analyzed using t-test hypotheses. Base on the calculations show that t_{count} 8.620, while the price t_{table} at significance level $\alpha = 0.05$ is equal to 1.67. It means that null hypothesis (H_0) is rejected and accepted research hypothesis (H_1). Thus it can be concluded that there is a positif and significant impact on the use of Problem Based Learning to mathematics problem solving ability of fourth grade students in elementary school. The result showed that Problem Based Learning can be the one of learning approach mathematics that increase mathematics problem solving ability of student in 4th grade of elementary school.

Keywords: *Problem Based Learning, Mathematics Solved Problem Ability Of Student In 4th Grade Of Elementary School.*