

ABSTRACT

Rizky Adi Subagja, Comparison of Mathematical Problem Solving Ability of High School Students between who use Learning Model of *Two Stay Two Stray* and Use Learning Model of *Snowballing*

Learning mathematics that is implemented in this orientation is more emphasized on the effort to anticipate the next tests especially for those who want to continue to the next level of education. Students tend to memorize the concepts and formulas of mathematics as well as often by repeating the definition of the given teacher or written in the book studied, without understanding the meaning of contents. The orientation lead to decreased students' mathematical problem solving ability. One of the alternative learning models that support for the students to solve problems, namely *Two Stay Two Stray* and the model of learning *Snowballing*. The purpose of this study is: 1) Knowing the comparation of mathematical problem solving ability among student using *Two Stay Two Stray* learning model is bette than student using *Snowballing* learning model. 2) Know the attitude of students attitudes to learning mathematics with learning model *Two Stay Two Stray*. 3) Know the attitude of students attitudes to learning mathematics with learning model *Snowballing*. This study used an experimental method. The population of the study were all students of class X SMA 1 Patokbeusi and take samples of class X-IPA 2 and X-IPA 4. The research instrument used is test type description of the problems of mathematical problem solving ability and questionnaire of attitude scale. Data analysis was performed using normality test, homogeneity test, and t test. Based on data analysis of research research, obtained conclusion: 1) Mathematical problem solving abilities of students who acquired mathematics learning withl *Two Stay Two Stray* learning model is no better or equal to students who obtained *Snowballing* learning model. 2) Positive student attitudes towards learning mathematics wih learning model *Two Stay Two Stray*. 3) Positive student attitudes towards learning mathematics wih learning model *Snowballing*.

Keywords: *Two Stay Two Stray*, *Snowballing*, **Mathematical Problem Solving.**