

ABSTRACT

Malau, D. (2018). **Enhancement Ability of Mathematical Reasoning and Self-concept of High School Students through Reciprocal Teaching Model.**

Studying mathematics is related to learning ideas or concepts that are abstract which require mathematical reasoning. Similarly, the self-concept of students must be planted and developed in students, because they see the importance of their role in learning mathematics. In this case, the mathematical reasoning ability and the self-concept of students are still relatively low, so one of the ways needed is a change in the learning model used like Reciprocal Teaching model. This study aims: (1) To determine whether the mathematical reasoning ability of students who get learning with the Reciprocal Teaching model is better than students who get ordinary learning; (2) To find out whether the increase in mathematical reasoning ability of students who receive the Reciprocal Teaching model is higher than students who get ordinary learning; (3) To find out whether the self-concept of students who get the Reciprocal Teaching model is better than students who get ordinary learning; (4) To find out whether there is a correlation between mathematical reasoning ability and self-concept of students who obtain the Reciprocal Teaching model. The method used in this study is a quasi experiment. The population of this study was students of class XI of SMAN 6 Bandung. The research sample is class XI MIPA 4 as the experimental class which obtains the Reciprocal Teaching model and class XI MIPA 2 as the control class that receives ordinary learning. The collected data is processed using IBM SPSS 24.0 for Windows software. The results of the study showed that: (1) the mathematical reasoning ability of students who obtained the Reciprocal Teaching model was better than students who received ordinary learning; (2) Increasing the mathematical reasoning ability of students who obtain the Reciprocal Teaching model is higher than students who get ordinary learning; (3) Self-concept of students who get Reciprocal Teaching learning model is better than students who get ordinary learning; (4) There is a correlation between mathematical reasoning ability and self-concept of students who obtain the Reciprocal Teaching model.

Keywords : Reciprocal Teaching Model, ability of mathematical reasoning, self-concept