ABSTRACT

Nadaa Rida Loviza Aulia (2018). **Penerapan Model Problem Posing dengan Tipe Kooperatif Think Pair Share untuk Meningakatkan Kemampuan Pemecahan Masalah Matematis dan Self-Regulated Learning Siswa SMP**

Mathematical problem solving ability has an important role in the success of students mastering mathematics material. But in reality this capability is still inadequate. Self-regulated learning students must be planted and cultivated in students, because seeing the role of Self-regulated learning in mathematics learning is very important. Problem Posing learning model is one learning model that can improve students' problem solving and self-regulated learning abilities. Because, the Problem Posing learning model requires students to be able to make, understand, and solve problems or problems independently. This research aims to: (1) knowing the results of the problem posing learning approach with the cooperative type think pair share is better than students who obtain conventional learning; (2) knowing that Self-regulated learning students who have problem posing learning with cooperative type think pair share are better than students who obtain conventional learning models; (3) knowing that there is a positive correlation between mathematical problem solving ability and self-regulated learning that has problem posing learning with cooperative type think pair share. This research is a quasi-experimental study with a research design in the form of pre-test and post-test. The population in this study were all students of class VII Pasundan 6 Bandung. The research sample consists of 2 classes. Class VII D as an experimental class was obtained which had problem posing learning with the cooperative type think pair share and class VII C as the control class which obtained an expository learning model. The instrument used in this study is a description of the test of mathematical problem solving abilities and the scale of Self-regulated learning. The collected data is then processed using IBM SPSS 23.0 for Windows software and Microsoft Office Excel 2013 software. The results show that: (1) mathematical problem-solving ability of students who have problem posing learning with the cooperative type think pair share is better than students who obtain conventional learning models; (2) Self-regulated learning students who have problem posing learning with the cooperative type think pair share are better than students who obtain conventional learning models; (3) there is a correlation between mathematical problem solving ability and Self-regulated learning students who have problem posing learning with cooperative type think pair share.

Keywords: Problem Posing dengan tipe kooperatif think pair share, Mathematical Problem Solving Ability, Self-regulated learning