

ABSTRACT

Tati Haryati. (2016). Application of Learning Model Thinking Aloud Pair Problem Solving (Tapps) to Improve Mathematical Problem Solving Ability High School Students.

Mathematics is one of the basic subjects that are taught at every level of education. In Curriculum Education Unit stated that the problem-solving ability is an important part of learning. But in reality they encountered students who mathematical problem-solving ability is low, this may be something to do with learning that teachers use. One alternative learning that can improve students' mathematical problem solving ability is learning model Thinking Aloud Pair Problem Solving (Tapps). According to the method, this research is an experimental research. The population in this study were all students SMA PGRI 1 Subang 2015-2016 school year. The research sample is class X SMA PGRI 1 Subang as much as two randomly chosen class by class. The instrument used in the research is test type description of the problems of mathematical problem solving ability and attitude scale using Likert Scale models. Attitude scale contains statements about math, learning model Thinking Aloud Pair Problem solving (Tapps), and mathematical problem solving ability. Tests piloted first in class XI. Based on the analysis of the trial results, all about a decent test for research use. Data analysis was performed using t-test by SPSS 22.0 for Windows is by using the Independent Sample t-Test. Based on the analysis of research data, the conclusion: Increasing the mathematical problem solving abilities of high school students who get teaching model Thinking Aloud Pair Problem Solving (Tapps) is higher than the high school students get learning model Problem Based Learning (PBL); students' positive attitudes towards the use of the learning model Thinking Aloud Pair Problem Solving (Tapps) in mathematics. Therefore, the learning model Thinking Aloud Pair Problem Solving (Tapps) can be used as an alternative for teachers in implementing the learning to enhance the ability of solving mathematical problems and create a positive attitude in mathematics

Keywords: Mathematical Problem Solving, Learning Thinking Aloud Pair Problem Solving (Tapps).