ABSTRACT

HANA NISRINA PERTIWI. 2018. **The Effect of Using Superitem Tasks Based on SOLO Taxonomy on Students' Mathematical Problem Solving Ability (Research on Class VII Students of SMP Negeri 1 Sindangkasih in 2017/2018 Academic Year)**. Mathematics Education Study Program, Faculty of Teacher Training and Education, Siliwangi University.

This study aims to determine: (1) the effect of using Superitem assignments based on SOLO Taxonomy on students' mathematical problem solving abilities (2) Students' mathematical disposition towards using Superitem assignments based on SOLO Taxonomy. The method used in this research is the experimental method. The population is all students of class VII SMP Negeri 1 Sindangkasih. Two classes were taken randomly, namely class VII A as the experimental class with a total of 38 people who were given learning by Superitem assignments based on SOLO Taxonomy and class VII D as the control class with a total of 36 people who were given learning by direct learning model. The data collection technique was carried out by testing the ability to solve mathematical problems and distributing questionnaires to students' mathematical dispositions. The instruments used were questions about mathematical problem solving abilities and a mathematical disposition questionnaire. The analysis technique used is the two average difference test. Based on the results of testing, processing and analysis of the data, it can be concluded: (1) There is an effect of using Superitem assignments based on the SOLO Taxonomy on students' mathematical problem solving abilities. (2) The students' mathematical disposition towards the use of Superitem assignments based on the SOLO Taxonomy is in the high category.

Keyword: Superitem, SOLO Taxonomy, Mathematical problem solving ability, and Mathematical disposition