

**INFLUENCE OF MIND MAPPING LEARNING MODEL ON
SELF REGULATED LEARNING AND IMPROVED UNDERSTANDING
MATHEMATIC CONCEPT STUDENTS REVIEWED FROM GENDER
IN MTs PRIVATE DISTRICT PONDOK AREN**

Arif Oktafianto

ABSTRACT

This study aims to determine the effect of mind mapping learning model on self regulated learning and understanding of mathematical concepts of students. This research was conducted at MTs Al Amanah Al Gontory Pondok Aren. The method used in this research is quasi experiment. Data collection techniques are test and questionnaire.

The result of the research shows that (1) improvement of understanding of mathematical concept of students who get mind mapping learning model higher than conventional; (2) there is interaction between learning model and gender toward understanding mathematical concept; (3) improved understanding of mathematical concepts of male students treated with mind mapping learning model higher than conventional; (4) there is no difference in improving understanding of mathematical concept of female students who are treated with mind mapping model with conventional model; (5) self regulated learning of students who get mind mapping learning model higher than conventional; (6) there is interaction between learning model and gender to self regulated learning of students; (7) self regulated learning of male students treated with mind mapping learning model higher than conventional; (8) there is no difference of self regulated learning of female students who are treated by mind mapping model with conventional model.

Keywords: *Mind Mapping, Self Regulated Learning, Understanding Mathematical Concepts, Gender*