

## ABSTRACT

Resti Nur Azizah (2019). **Improve of Mathematical Representation Ability and Impact on Mathematical Disposition of Junior High School Students through CRA (Concrete Representational Abstract) Learning Model.**

The ability of mathematical representation is one of the mathematical resources must know and need for student in the mathematical learning process. Therefore the ability of mathematical representation needs to be improved. This research purposes to, 1) Knowing the improve the ability of mathematical representation of student who get the CRA (Concrete Representational Abstract) learning model is higher the ability of mathematical representation of student who get the expository learning model, 2) Knowing the mathematical disposition of students who get the CRA (Concrete Representational Abstract) learning model is better than the mathematical disposition of student who get the expository learning model, and 3) Knowing how effectiveness the CRA (Concrete Representational Abstract) learning model is towards improve student mathematical representation ability. The CRA learning model is a three-part learning model to enhance student learning and overcome conceptual knowledge. This research used a quasi-experimental method with Pretest-Posttest Control Group Design. For the population in this research were student of class VIII at Junior High School 30 Bandung with sample consists of 2 classes with purposive sampling technique. The research instrument used consisted of test descriptions the ability mathematical representation and mathematical disposition scale. Data analysis using t-test and effect size. The results obtained after carrying out the research are, 1) Improve of the ability of mathematical representation of students who get the CRA (Concrete Representational Abstract) learning model is higher the ability of mathematical representation ability of students who get the expository learning model, 2) The mathematical disposition of students who get the CRA (Concrete Representational Abstract) learning model is better than the mathematical disposition of students who get the expository learning model, and 3) The CRA (Concrete Representational Abstract) learning model has effectiveness medium for improvement the ability of mathematical representation.

**Keywords:** Mathematical Disposition, Ability of Mathematical Representation, CRA (Concrete Representational Abstract) Learning Model.