

## **ABSTRACT**

Zahra Dinan Sadida. (2019). *Enhancement of mathematical communication skills and Self Efficacy Junior high school students through Model Cooperative Integrated Reading and Composition (CIRC)*.

*The research aims to: (1) know the improvement of mathematical communication skills of students who acquire Cooperative Integrated Reading and Composition (CIRC) models better than those who obtain conventional learning models; (2) Knowing Self Efficacy students who acquire a Cooperative Integrated Reading and Composition (CIRC) model is better than the students who acquire conventional learning models; (3) To know the effectiveness of the Cooperative Integrated Reading and Composition (CIRC) model for the enhancement of mathematical communication skills of students with Self Efficacy. The method used in the study was experimental methods with the experimental research design of pretes-postes control group. The population in this study is a grade VIII student of SMP Muhammadiyah 3 Bandung school year 2019/2020. It obtained class VIII D as an experimental class with a model treatment of Cooperative Integrated Reading and Composition (CIRC) and class VIII B as a control class with conventional learning treatment in this expository learning model. Based on the results of the study, obtained: (1) The mathematical communication skills of students who acquire the Cooperative Integrated Reading and Composition (CIRC) lesson model are better than those who obtain conventional learning models. (2) Self efficacy students who acquire a Cooperative Integrated Reading and Composition (CIRC) learning model is better than the students who acquire conventional learning. (3) Learning with Cooperative Integrated Reading and Composition (CIRC) is effective to improve the students ' mathematical communication skills.*

*Keywords: Mathematical communication skills, Cooperative Integrated Reading and Composition (CIRC) and Self-efficacy learning models.*