

## ABSTRACT

**CHAIRUNNISA WAFDA AYU.** *Analysis the Ability of Understanding Mathematical Concepts end self regulated learning Through RME (Realistic Mathematics Education) Approach in Junior High School Students*

*The ability to understand mathematical concepts and independent learning is one of the things that students need to have at the junior high school level. One of the efforts to develop the ability to understand concepts and independent learning is to apply learning with a Realistic Mathematics Education (RME) approach. This study has the objectives to (1) analyze how the study of the ability to understand mathematical concepts and learning independence; (2) analyzing how to study the Realistic Mathematics Education (RME) model; (3) analyzing how the study of the ability to understand mathematical concepts and learning independence of junior high school students through the Realistic Mathematics Education (RME) approach. The method used in this research is qualitative research with the type of literature study research. Sources of data used in this study in the form of primary data and secondary data related to understanding mathematical concepts, independent learning, and the RME approach. The results showed that: (1) the Realistic Mathematics Education (RME) approach to the ability to understand mathematical concepts had a good effect; (2) the Realistic Mathematics Education (RME) approach is better than conventional learning (expository) on the ability to understand students' mathematical concepts; (3) the application of the Realistic Mathematics Education (RME) approach can improve the ability to understand mathematical concepts. (4) the application of the Realistic Mathematics Education (RME) approach in the mathematics learning process towards student learning independence is included in a good category.*

*Key words: Analysis the Ability of Understanding Mathematical Concepts, self regulated learning, Realistic Mathematic Education (RME)*