

ABSTRACT

Mita Sri Mulyadi (2021). *Analysis of Mathematical Creative Thinking Ability and Learning Independence of Middle School Students in the Implementation of Approach Realistic Mathematics Education*

Creative thinking ability and independent learning are important for students. But in fact the ability to think mathematically creative and independent learning students tend to be still low. Teachers must strive to improve mathematical creative thinking skills and independent learning through varied learning models or approaches, one alternative is through the approach Realistic Mathematics Education. This study aims to: (1) analyze the mathematical creative thinking skills of high school students in implementing the Approach Realistic Mathematics Education; (2) analyzing the learning independence of high school students in implementing the Approach Realistic Mathematics Education; (3) analyzing the correlation between independent learning and students' mathematical creative thinking skills. The method used in this research is a qualitative research method with the type of literature study research. The data sources used in this study are primary data and secondary data, namely articles from reputable national and international journals related to mathematical creative thinking skills, independent learning and Approaches Realistic Mathematics Education. The research techniques used in this research are Editing, Organizing, and Finding. Analysis of the data used in the form of inductive, interpretative and comparative. The results showed that (1) the ability to think creatively mathematically in the implementation of the approach Realistic Mathematics Education experienced a significant increase. Indicators with high improvement are fluency, flexibility. (2) student learning independence in implementing the approach Realistic Mathematics Education has increased significantly; (3) there is a correlation between learning independence and mathematical creative thinking ability, the higher the student's learning independence, the higher the students' mathematical creative thinking ability.

Keywords: *Mathematical Creative Thinking Ability, Independent Learning, Realistic Mathematics Education Approach.*