

ABSTRACT

Ninda Putri Tsaniya. (2021). *Analysis of Mathematical Ability and Self-Efficacy of Middle School Students in terms of Personality Types Extrovert-Introvert through Online Learning.*

The basic mathematical abilities are mathematical problem solving skills, mathematical communication skills, mathematical reasoning abilities, mathematical connection abilities, mathematical representation abilities, and one of the affective aspects that students need to have, namely self-efficacy. One of the models that can be used to influence mathematical ability and self-efficacy in terms of the introverted extrovert personality type is the online learning method. This study has the objectives to: (1) analyze the mathematical ability of high school students in terms of personality types extrovert-introvert; (2) Analyzing the abilities self-efficacy of high school students through online learning; (3) Analyzing the relationship between mathematical ability and self-efficacy. The method used in this study is a qualitative research method with the type of literature study research. Sources of data used in this study in the form of primary data and secondary data. The research technique used in this research is Editing, Organizing, and Finding and the data analysis used is deductive, inductive and interpretive. The results showed that: (1) students with extroverted and introverted personality types have advantages and disadvantages in improving their mathematical abilities; (2) online learning methods on self-efficacy have a good effect; (3) the relationship between increasing mathematical ability and self-efficacy has a positive effect.

Keywords: *Mathematical Ability, Self-efficacy, Extrovert-Introvert Personality Type, Online Learning*