

## ABSTRACT

**Maria Valentina Gunu Tukan. *Analysis of Mathematical Reasoning Ability and Habits of Mind of Junior High School Students Through Situation Based Learning (SBL) Model.***

*This research is a literature study that provides information related to mathematics learning in junior high schools with the situation based learning (SBL) learning model. The purpose of this study is to describe mathematical reasoning abilities, habits of mind and implementation of the SBL model on the mathematical reasoning abilities of junior high school students. The techniques used to analyze the data are deductive techniques and inductive techniques. The results of this study indicate that; [1] students' mathematical reasoning abilities have increased after receiving the situation based learning model. With the SBL learning model the teacher only acts as a facilitator by seeking the use of scaffolding techniques, [2] The ability of habits of mind does not have a significant effect on the situation based learning model. This is due to the limited time in several studies that the researchers found, [3] The implementation of the situation based learning model on students' mathematical reasoning abilities brought changes to the activities of teachers and students. Teachers must be able to understand and adapt to the steps of SBL learning and must be able to create learning situations that make students feel challenged in learning.*

**Keywords:** *Mathematical Reasoning Ability, Habits of Mind, Situation Based Learning (SBL)*