

## ABSTRACT

Abdul Halim Syah. (2020). *Analysis Mathematical Literacy Ability and Self-regulated Learning of Middle School Students through SAVI Learning Model (Somatic, Auditory, Visualization, Intellectually)*.

*Mathematical literacy skills and self-regulated learning are important things for students at the secondary school level. One of the efforts to develop this ability is by applying the SAVI (Somatic, Auditory, Visualization, Intellectually) learning model to learning. The objectives of this study were: (1) To assess the mathematical literacy skills of high school students through the SAVI learning model (Somatic, Auditory, Visualization, Intellectually). (2) Assessing the self-regulated learning of middle school students through the SAVI learning model (Somatic, Auditory, Visualization, Intellectually). (3) Assessing the effect of self-regulated learning abilities on mathematical literacy skills. The method used in this research is qualitative research, namely the type of library research. Data analysis techniques using inductive techniques and deductive techniques. Sources of data used in this study are primary data and secondary data related to mathematical literacy skills, self-regulated learning, and SAVI learning models. The results showed that: (1) Students' mathematical literacy abilities can develop with the SAVI learning model. (2) By using the SAVI learning model, the learning ability of secondary school students has increased. (3) The ability to learn independently has an effect on mathematical literacy skills.*

**Keywords:** *Mathematical literacy, Self-regulated learning, SAVI Model*