

ABSTRACT

REZZA NURZAKI (2020). **Analysis of Mathematical Literacy Ability through *Quantum Teaching Model***

Currently mathematics is a science that plays a very important role in various aspects of the world of technology, for example mathematical logic which is used as an algorithmic programming language which acts to save file sizes in computer programming, the use of the Pascal triangle in the turbo Pascal program, and so on. Lack of mathematical literacy skills, especially for children who are still in education, one of which is shown in the PISA results that Indonesia has never even entered the top 10 in mathematical literacy skills, one of the factors is the use of inappropriate learning models makes the teaching and learning process less effective . Therefore, in the process of learning mathematics, it is necessary to change the learning model that can improve students' mathematical literacy skills. One learning model that can affect mathematical literacy skills is the Quantum Teaching learning model. The objectives of this study are (1) To determine the concept of students' mathematical literacy abilities (2) To assess students' mathematical literacy abilities through the Quantum Teaching learning model (3) To examine the implementation of the Quantum Teaching learning model to increase mathematical literacy skills. The research conducted in this research is literature research, qualitative research methods in this study using the documentation method. The data sources used in this study are primary and secondary data sources. Based on the results of data analysis, it can be concluded that the Quantum Teaching learning model of mathematical literacy makes students think actively and structurally about a problem to obtain a logical solution to solving a problem based on mathematical concepts..

Keywords: Mathematical Literacy Skills and Quantum Teaching Learning Models