

**Ayu, D.P. (2022). *Mathematical Literacy Skill and Self-Regulated Learning of Junior High School Students Using the Flipped Classroom Learning Model Assisted by Learning Video***

**ABSTRACT**

*Mathematics is composed of simple mathematical concepts to complex mathematical concepts. The application of the learning model must of course be adapted to today's era, by combining learning that utilizes technology and learning assistance that can stimulate to have a self-regulated learning to improve mathematical ability, that is mathematical literacy ability. The research aimed to determine the achievement of mathematical literacy skill and self-regulated learning of students using Flipped Classroom learning model assisted by learning videos. This research aimed to see how the correlation between mathematical literacy ability and self-regulated learning of students using Flipped Classroom learning model assisted by learning videos. This experimental research used quasi experiment design with Nonequivalent Control Group Design. All eight grade students at SMP Negeri 4 Ngamprah for the academic year 2021/2022 are the population of this research. The sample was taken using purposive sampling technique and obtained class VIII E as the experimental class and class VIII D as the control class. The instruments used in this research were mathematical literacy test sheets and self-regulated learning questionnaire. The hypothesis test used are Independent Samples T-Test and correlation test. The results of the final data analysis showed that: (1) the mathematical literacy ability of students who received the Flipped Classroom learning model assisted by learning videos was better than the mathematical literacy ability of students who received conventional learning model; (2) self-regulated learning of students who received the Flipped Classroom learning model assisted by learning videos was not better than self-regulated learning who received conventional learning model; (3) there is a correlation between mathematical literacy and self-regulated learning of students who get the Flipped Classroom learning model assisted by learning videos.*

*Keywords: mathematical literacy, self-regulated learning, Flipped Classroom*