ABSTRACT

Afrizal Wahyu Sentosa. Analysis of Student’s Mathematical Literacy Ability and Self-Efficacy through Problem Based Learning for Middle School Students

This research based on the low ability of student’s mathematical literacy, then one of important aspect is self-efficacy it can be trusted to achieve success in mathematics learning. One of the learning models that can develop and facilitate students to improve mathematical literacy and self-efficacy is problem based learning, because of problem based learning students oriented to a real problems and in the learning stages student need to report their work done in groups. This research aims: analysis of implementation problem based learning for high school student’s mathematical literacy; analysis of implementation problem based learning for high school student’s self-efficacy; and analysis mathematical literacy and self-efficacy high school students. This research uses a qualitative approach. The type of research used in this study is library research with documentation method. Data was collected by collected literature related to the research variables as many as 21 articles and classified and analyzed. Based on the results of data analysis, it can be concluded as follows. 1) Implementation of problem based learning models can improve and have a positive impact on the development of highschool student’s mathematical literacy. 2) The implementation of problem based learning models can improve and have a positive impact on the development of self-efficacy of high school students, the factors that can affect the result of the implementation of problem based learning are the ability of students to follow the learning process. 3) Mathematical literacy ability and self-efficacy have a relationship or correlation, mathematical literacy ability can be influenced by the level of self-efficacy possessed by students.

Key Word: Mathematical Literacy, Self-Efficacy, Problem Based Learning