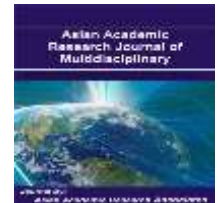




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PROFILE OF SMP STUDENTS' MATHEMATICAL REASONING ABILITY REVIEWED FROM STUDENTS' LEARNING AUTONOMY

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Abstract

The purpose of this study is: (1) to describe students' learning autonomy at Grade VII of SMPN 1 Kulisusu; (2) to describe students' mathematical reasoning ability at Grade VII of SMPN 1 Kulisusu based on their learning autonomy; (3) to know the factors causing the low ability of mathematical reasoning of grade VII students of SMPN 1 Kulisusu. This research is an explorative research using quantitative-qualitative descriptive approach. The conclusions of this study are: (1) the description of students' learning autonomy of SMPN 1 Kulisusu who became the subject in this study are: 17 students have high learning autonomy, 26 students have moderate learning autonomy and 17 students have low learning autonomy; (2) description of students' mathematical reasoning ability who became the subject in this study based on their learning autonomy is: for students who have high learning autonomy obtained maximum score 43.82, minimum score of 36.28, average score is 39.42 and a standard deviation is 1.27; for students who have moderate learning autonomy obtained maximum score is 38.29, minimum score is 28.92, average score is 34.54 and standard deviation 1.80; for students who have low learning autonomy obtained maximal score 32.12, the minimum score is 24.56, the average score of 28.68 and the standard deviation is 1.84; (3) factors causing the low ability of students' mathematical reasoning is because students are less practiced problems related to mathematical reasoning ability and other factors is that teachers have not applied the model and learning techniques that can improve students' mathematical reasoning ability.

Keywords: *Mathematical reasoning ability, Students' learning autonomy*

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