

ABSTRACT

Relationship Mathematical Literacy and Mathematical Logical Intelligence on Mathematics Learning Outcomes for Class VIII SMPN 2 Arjasa Academic Year 2020/2021: 2021. Achmad Munif Baidawi

Keywords: mathematical literacy and mathematical logical intelligence and mathematics learning outcomes

Mathematics education can improve the ability to reason, think critically, logically, and creative, it is the cause of the emergence of perceptions in students that mathematics is a difficult subject. Mathematical literacy includes five competencies, namely problem solving, communication, reasoning, connection and mathematical presentation. Another thing that can have a big influence on the success of students in learning mathematics at school is mathematical logical intelligence.

The purpose of this research is to find out whether there is a relationship (1) Mathematical Literacy on Mathematics Learning Outcomes, (2) Mathematical Logical Intelligence on Mathematics Learning Outcomes, and (3) Mathematical Literacy and Mathematical Logical Intelligence on Learning Outcomes of Class VIII students. Methods: using an associative correlational approach with an ex-post facto research design, the population is class VIII A, B, and C but the selected sample is class VIII-C because it uses Simple Random Sampling, the research instrument uses a test, to test the hypothesis using a simple regression test and multiple correlation test.

The results obtained (1) There is a positive relationship between Mathematical Literacy on Mathematics Learning Outcomes with a correlation (R) of 0.911 and (R Square) of 0.830. (2) There is a positive relationship between Mathematical Logical Intelligence on Mathematics Learning Outcomes with a correlation (R) of 0.876 and (R Square) of 0.767, and (3) There is a positive relationship between Mathematical Literacy and Mathematical Logical Intelligence on Learning Outcomes Mathematics with a correlation (R) of 0.914 and (R Square) of 0.835.