

Pengaruh kemampuan bernalar secara verbal terhadap kemampuan memecahkan masalah hitungan cerita

Burhan Eko Purwanto, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20251123&lokasi=lokal>

Abstrak

This research observes a correlation of two variables, verbal reasoning skill as an independent variable and problem solving skill on storical arithmetic as a dependent variable. By observing the correlation of those two variables, the influence of one variable to the other one and tendencies coming up from responding concerning to those two skills can be found. Method used in this research is ex post facto methode as the variables being observed have happened before without researcher's manipulation.

This research is conducted in Tegal Regency, Central Java. Samples are taken from more or less fourteen years old students who have been experiencing with early formal operation of cognitive growth stage. Sampling technique used ie multistage sampling for 120 respondents. Data analysis technique used is quantitative by using two kinds of statistic, descriptive and analitical statistic.

The results of this research shows that there is a positive correlation between X variable and Y variable with significant correlation of 0,730. Significant test to the influence of X variable to Y variable using linier regression also shows that there is a significant influence, that is on the 0,05 significant value, t-student test shows that (11,583) is greater than ttable (1,645). Besides those, it is also known that either verbal reasoning skill or problem solving skill on storical arithmetic are low. The comprehension to sentence structure and the way how to make conclusion generally have not been mastered well. Tendencies in making conclusion is done by combining the stated premises. In general, the respondents experience difficulties in solving the storical arithmetic problems. This problem is caused by the language comprehension and arithmetical problem itself.