

## ABSTRAK

Pengaruh Penggunaan Media Pembelajaran Sempoa Terhadap Peningkatan Hasil Belajar Matematika Siswa Kelas 1 SDN 3 Pagerungan Besar. Herdayanti

Keywords: Effect of Using Abacus Media, Mathematics Learning Outcomes.

This research aims to describe the use of abacus learning media which refers to the results/average scores of students before and after using learning media in class when the teaching and learning process is in progress.

This research uses a quantitative approach which includes pre-experimental which in its implementation involves only 1 class as an experimental class and a control class which aims to determine the effect of using the abacus as a learning medium on mathematics learning outcomes 1st grade student at SDN 3 Pagerungan Big, Sapeken District, Sumenep Regency, 2023/2024 academic year. The experimental units in this research were 20 grade 1 student. The implementation of this research took place over 3 meetings.

The research obtained in descriptive statistical analysis of student "mathematics learning outcomes regarding the use of the abacus which was used as material and concepts of mathematics lesson using lessons using the abacus learning media showed better learning outcomes than before using the media. Abacus learning referring to the results of inferential analysis using the t-test formula, it is known that the calculated t value obtained is 40.76 with a frequency of  $dk = 20 - 1 = 19$  at a significance level of 5%, obtained  $t\text{-tabel} = 2.05$ . obtained  $t_{\text{count}} > t_{\text{tabel}}$  the null hypothesis ( $H_0$ ) is rejected and the alternative hypothesis ( $H_a$ ) is accepted. So it can be proven that using the abacus learning media in mathematics learning greatly influences student's mathematics learning outcomes compared to before using the abacus learning media.