

ABSTRAK

Reza Resita, 2026. Pengaruh penggunaan media web coolmath4kids terhadap kemampuan berhitung cepat matematika siswa kelas II SD Muhammadiyah Perumnas. Skripsi, Jurusan Pendidikan Guru Sekolah Dasar Fakultas Keguruan Dan Ilmu Pendidikan Universitas Muhammadiyah Makassar. Pembimbing I Baharullah, dan Pembimbing II Haerul Syam.

Penelitian ini bertujuan untuk mengetahui pengaruh media web coolmath4kids terhadap kemampuan berhitung cepat matematika siswa kelas II SD Muhammadiyah Perumnas, Makassar. Latar belakang penelitian ini adalah rendahnya hasil belajar matematika siswa khususnya materi penjumlahan dan pengurangan dalam berhitung cepat. Dimana sebagian besar belum mencapai KKM. Penelitian ini menggunakan pendekatan kuantitatif dengan metode *Pre-Experimental Design* dan desain *One Group Pretest-Posttest*. Populasi dalam penelitian ini adalah seluruh siswa kelas II SD Muhammadiyah Perumnas, dengan sampel berjumlah 23 siswa, dengan Teknik *total sampling*. Teknik Pengumpulan data dilakukan melalui tes hasil belajar yang diberikan sebelum perlakuan (*pretest*) dan setelah perlakuan (*posttest*). Instrumen penelitian berupa tes hasil belajar (*pretest* dan *posttest*) serta lembar observasi aktivitas siswa. Teknik analisis data menggunakan statistik deskriptif dan inferensial dengan bantuan SPSS 25. Uji normalitas data dilakukan menggunakan uji Shapiro-Wilk, yang menunjukkan bahwa data *pretest* dan data *posttest* berdistribusi normal. Uji hipotesis yang digunakan yaitu paired sampel t-test.

Hasil penelitian menunjukkan peningkatan skor rata-rata dari 51,13 (*pretest*) menjadi 89,35 (*posttest*). Uji paired sampel t-test menunjukkan nilai signifikansi $0.000 < 0,05$, yang berarti H_0 ditolak dan H_1 diterima. Dengan demikian dapat disimpulkan bahwa penggunaan media web coolmath4kids berpengaruh signifikan terhadap hasil belajar siswa dalam kemampuan berhitung cepat di kelas II SD Muhammadiyah Perumnas.

Kata Kunci: pengaruh, media web coolmath4kids, kemampuan berhitung cepat.

ABSTRACT

Reza Resita, 2026. *The Effect of Using the Coolmath4kids Website on the Mental Math Skills of Second-Grade Students at SD Muhammadiyah Perumnas. Thesis, Department of Elementary School Teacher Education, Faculty of Teacher Training and Education, Muhammadiyah University of Makassar. First Advisor: Baharullah; Second Advisor: Haerul Syam.*

The aim of this study is to determine the effect of the coolmath4kids website on the mathematical quick calculation ability of students in the second grade at SD Muhammadiyah Perumnas, Makassar. The research problem in this study is whether there is an effect of using the coolmath4kids website on the ability of students in the second grade at SD Muhammadiyah Perumnas to calculate quickly. The study used a quantitative approach with a pre-experimental design and a one-group pretest-posttest design. The population in this study is all the students in Year 2 at SD Muhammadiyah Perumnas, with a sample of 23 students selected using the total sampling technique. Data was collected through a learning outcomes test given before (pre-test) and after (post-test) the intervention. The research instrument was a learning outcome test (pretest and posttest) as well as a sheet to observe student activity. Data analysis techniques used statistic descriptive and inferential with the help of SPSS 25. The data normality test was performed using the Shapiro-Wilk test, which showed that the pretest and posttest data were normally distributed. The hypothesis test used was paired sample t-test.

The results of the study showed an increase in the average score from 51.13 (pre-test) to 89.35 (post-test). The paired samples t-test showed a significance value of $0.000 < 0.05$, meaning that H_0 was rejected and H_1 was accepted. It can therefore be concluded that the use of the web media coolmath4kids has a significant impact on students' ability to quickly calculate in class II at SD Muhammadiyah Perumnas.

Keywords: *influence, web media coolmath4kids, quick calculation ability*