

**PENGARUH MODEL *DISCOVERY LEARNING* BERBANTUAN
MEDIA *WORDWALL* TERHADAP KOMPETENSI PENGETAHUAN
MATEMATIKA SISWA KELAS III SD GUGUS I
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ABSTRAK

Kompetensi pengetahuan matematika siswa sekolah dasar masih tergolong rendah sehingga diperlukan penerapan model pembelajaran inovatif untuk meningkatkan pemahaman konsep matematika siswa. Penelitian ini bertujuan untuk menguji pengaruh model *discovery learning* berbantuan media *wordwall* terhadap kompetensi pengetahuan matematika siswa sekolah dasar. Penelitian ini merupakan penelitian eksperimen menggunakan pendekatan kuantitatif dengan desain *quasi experiment tipe nonequivalent control grup desain*. Populasi penelitian sebanyak 125 siswa kelas III SD Gugus I Mengwi yang terdiri dari 6 (enam) sekolah. Sampel penelitian diambil menggunakan teknik *cluster random sampling* dengan siswa kelas III SD No. 4 Cemagi sebagai kelompok eksperimen sebanyak 28 siswa dan siswa kelas III SD No.2 Cemagi sebagai kelompok kontrol sebanyak 26 siswa. Data kompetensi pengetahuan dikumpulkan menggunakan tes pilahan ganda, kemudian dianalisis menggunakan teknik analisis statistik deskriptif dan teknik analisis statistik inferensial (uji-t) *polled varians*. Hasil analisis data diperoleh rata-rata skor *post-test* kelompok eksperimen 81,96 yang berada pada kategori tinggi, sedangkan rata-rata kelompok kontrol 73,46 yang berada pada kategori sedang. Hasil analisis uji-t diperoleh $t_{hitung} = 3,674$ dan nilai t_{tabel} pada signifikansi 5% dengan $dk = 52$ adalah 2,007. Hal tersebut menunjukkan $t_{hitung} = 3,674 > t_{tabel} = 2,007$ sehingga H_0 ditolak dan H_1 diterima, yang berarti terdapat perbedaan yang signifikan. Dengan demikian disimpulkan model *discovery learning* berbantuan media *wordwall* terbukti efektif dalam meningkatkan kompetensi pengetahuan matematika siswa. Penelitian ini memberikan implikasi bahwa pemanfaatan model *discovery learning* berbantuan media *wordwall* dapat menjadi alternatif strategis untuk meningkatkan *kompetensi* pengetahuan siswa sekolah dasar.

Kata Kunci: Model *Discovery Learning*, *Wordwall*, Kompetensi Pengetahuan, Sekolah Dasar

**THE EFFECT OF DISCOVERY LEARNING MODEL ASSISTED BY
WORDWALL MEDIA ON THE MATHEMATIC KNOWLEDGE
COMPETENCE OF III GRADE ELEMENTARY SCHOOL STUDENTS IN
GUGUS I MENGWI ACADEMIC YEAR 2025/2026**

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ABSTRACT

Elementary school students' mathematical knowledge competency is still relatively low, so it is necessary to apply innovative learning models to improve students' understanding of mathematical concepts. This study aims to examine the effect of the Discovery Learning model assisted by Wordwall media on elementary school students' mathematics knowledge competency. The research employed a quantitative approach using a quasi-experimental design, specifically the nonequivalent control group design. The population consisted of 125 third-grade students from six elementary schools in SD Gugus I Mengwi. The sample was selected using cluster random sampling, with 28 students from SD No.4 Cemagi assigned to the experimental group and 26 students from SD No.2 Cemagi assigned to the control group. Data on students' mathematics knowledge competency were collected using multiple-choice tests, then analyzed using descriptive statistical analysis and inferential statistical analysis (pooled variance t-test). The results showed that the mean post-test score of the experimental group was 81,96, categorized as high, while the control group achieved a mean score of 73,46, categorized as moderate. The t-test analysis indicated that $t_{\text{calculated}} = 3,74$ and t_{tabel} at a 5% significance level with 52 degrees of freedom was 2,007. The t-test analysis indicated that $t_{\text{calculated}} = 3,674 > t_{\text{tabel}} = 2,007$, therefore the null hypothesis (H_0) is rejected and the alternative hypothesis (H_1) is accepted, which means that there is a significant difference between the two groups. In conclusion, the Discovery Learning model assisted by wordwall media proven effective in improving students' mathematics knowledge competency. The findings imply that the implementation of the Discovery Learning model assisted by Wordwall media can serve as a strategic alternative to enhance elementary school students' knowledge competency.

Keywords: Discovery Learning Model, Wordwall, Knowledge Competency, Elementary school