PENGARUH MODEL PEMBELAJARAN *DISCOVERY LEARNING* DENGAN MEDIA PAHAN (PAPAN PECAHAN) TERHADAP HASIL BELAJAR MATEMATIKA MATERI PECAHAN KELAS IV SD GUGUS X MENGWI TAHUN AJARAN 2025/2026

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ABSTRAK

Penelitian ini dilatarbelakangi oleh rendahnya hasil belajar matematika siswa pada materi pecahan, pembelajaran yang masih berpusat pada guru, serta kurangnya pemanfaatan media inovatif. Penelitian bertujuan untuk mengetahui perbedaan dan pengaruh signifikan model *Discovery Learning* berbantuan media PAHAN terhadap hasil belajar matematika siswa kelas IV SD. Penelitian menggunakan pendekatan kuantitatif dengan desain quasi-experimental tipe non-equivalent control group design. Populasi seluruh siswa kelas IV SD Gugus X Mengwi berjumlah 115 siswa. Sampel ditentukan dengan *cluster random sampling*, diperoleh SD No. 1 Baha (28 siswa) sebagai kelompok eksperimen dan SD No. 2 Baha (28 siswa) sebagai kelompok kontrol. Data dikumpulkan melalui tes pilihan ganda dan dianalisis menggunakan uji ANCOVA taraf signifikansi 0,05.Hasil penelitian menunjukkan terdapat perbedaan hasil belajar yang signifikan antara kelompok eksperimen dan kontrol, dengan rata-rata *Post-test* kelompok eksperimen (82,71) lebih tinggi daripada kelompok kontrol (63,59). Model *Discovery Learning* berbantuan media PAHAN berpengaruh signifikan terhadap hasil belajar matematika siswa (Sig. 0,000 < 0,05). Dengan demikian, penerapan model *Discovery Learning* dengan media PAHAN efektif meningkatkan hasil belajar matematika siswa kelas IV SD pada materi pecahan.

Kata kunci: *Discovery Learning*, PAHAN (Papan Pecahan), hasil belajar matematika, pecahan.

THE EFFECT OF DISCOVERY LEARNING MODEL ASSISTED BY PAHAN MEDIA (FRACTION BOARD) ON MATHEMATICS LEARNING OUTCOMES OF FRACTION MATERIAL FOR GRADE IV ELEMENTARY SCHOOL STUDENTS IN CLUSTER X MENGWI ACADEMIC YEAR 2025/2026

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ABSTRACT

This study was motivated by the low mathematics learning outcomes of students on fraction material, teacher-centered learning, and the lack of innovative media. This study aimed to determine the differences and significant effects of the Discovery Learning model assisted by PAHAN media on students' mathematics learning outcomes. This quantitative study employed a quasi-experimental method with a non-equivalent control group design. The population consisted of 115 grade IV students in Cluster X Mengwi. The sample was determined using cluster random sampling, obtaining SD No. 1 Baha (28 students) as the experimental group and SD No. 2 Baha (28 students) as the control group. Data were collected through multiple-choice tests and analyzed using ANCOVA at a 0.05 significance level. The findings revealed a significant difference in learning outcomes between the experimental and control groups, with the experimental group obtaining a higher Post-test mean score (82.71) than the control group (63.59). The Discovery Learning model assisted by PAHAN media had a significant effect on students' mathematics learning outcomes (Sig. 0.000 < 0.05). Therefore, the application of the Discovery Learning model with PAHAN media effectively improves grade IV elementary school students' mathematics learning outcomes on fraction material.

Keywords: Discovery Learning, PAHAN (Fraction Board), mathematics learning outcomes, fraction.