

ABSTRAK

PENGARUH MODEL *PROBLEM BASED LEARNING* TERHADAP KEMAMPUAN NUMERASI SISWA (Studi pada Siswa Kelas VIII SMP Negeri 2 Adiluwih Semester Ganjil Tahun Pelajaran 2025/2026)

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Penelitian eksperimen semu ini bertujuan untuk mengetahui pengaruh model *problem based learning* terhadap kemampuan numerasi siswa. Populasi penelitian ini adalah seluruh siswa kelas VIII SMP Negeri 2 Adiluwih semester ganjil tahun pelajaran 2025/2026 yang terdistribusi atas tujuh kelas. Sampel penelitian ini adalah siswa kelas VIII-B sebagai kelas eksperimen dan kelas VIII-D sebagai kelas kontrol yang dipilih melalui teknik *cluster random sampling*. Desain penelitian yang digunakan adalah *posttest-only control group design*. Data penelitian berupa data kuantitatif kemampuan numerasi yang dikumpulkan melalui tes berbentuk uraian pada materi Sistem Persamaan Linear Dua Variabel. Analisis data menggunakan uji-t dengan taraf signifikansi 0,05. Berdasarkan hasil analisis data diperoleh bahwa kemampuan numerasi siswa yang mengikuti pembelajaran dengan model *problem based learning* lebih tinggi daripada kemampuan numerasi siswa yang mengikuti model *cooperative learning*. Dengan demikian, model *problem based learning* berpengaruh terhadap kemampuan numerasi siswa.

Kata kunci: Kemampuan Numerasi, *Problem Based Learning*, Siswa SMP

ABSTRACT

THE EFFECT OF PROBLEM-BASED LEARNING MODEL ON STUDENTS' NUMERACY ABILITIES (A Study on Eighth-Grade Students of SMP Negeri 2 Adiluwih in The 2025/2026 Academic Year)

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This quasi-experimental study aimed to determine the effect of the problem based learning model on students' numeracy abilities. The population of this study comprised all eighth-grade students of SMP Negeri 2 Adiluwih in the odd semester of the 2025/2026 academic year, distributed over seven classes. The sample consisted of class VIII-B as the experimental group and class VIII-D as the control group, selected using a cluster random sampling technique. The research design employed was a posttest-only control group design. The research data consisted of quantitative numeracy abilities collected through essay tests on the topic of Two-Variable Linear Equation Systems. Data analysis was conducted using a t-test with a significance level of 0.05. The results showed that the numeracy abilities of students who participated in problem based learning was higher than that of students who participated in cooperative learning. Therefore, the problem based learning model has a significant effect on students' numeracy abilities.

Keywords: Numeracy Ability, Problem Based Learning, Junior High School Students