

ABSTRAK

PENGARUH MODEL *PROBLEM-BASED LEARNING* BERBANTUAN VIDEO ANIMASI TERHADAP KEMAMPUAN PEMECAHAN MASALAH MATEMATIKA PESERTA DIDIK KELAS V SEKOLAH DASAR

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Masalah dalam penelitian ini adalah rendahnya kemampuan pemecahan masalah matematika peserta didik kelas V SD Negeri 1 Gondangrejo. Penelitian ini bertujuan untuk mengetahui pengaruh model *problem based learning* berbantuan video animasi terhadap kemampuan pemecahan masalah matematika dan perbedaan kemampuan pemecahan masalah antara kelas eksperimen dan kelas kontrol. Metode penelitian yang digunakan adalah eksperimen semu (*quasi experiment design*) dengan desain *non-equivalent control group design*. Populasi penelitian adalah seluruh peserta didik kelas V SD Negeri 1 Gondangrejo dengan jumlah 40 peserta didik. Penentuan sampel penelitian menggunakan teknik sampling jenuh. Teknik pengumpulan data dilakukan melalui tes dan non-tes, sementara analisis data menggunakan uji regresi linear sederhana dan uji t. Hasil penelitian ini yaitu terdapat pengaruh model *problem based learning* berbantuan video animasi terhadap kemampuan pemecahan masalah matematika peserta didik kelas V SD Negeri 1 Gondangrejo Tahun Pelajaran 2024/2025 dan terdapat perbedaan kemampuan pemecahan masalah matematika antara peserta didik yang menggunakan model *problem based learning* berbantuan video animasi dengan peserta didik yang menggunakan model *inquiry based learning* berbantuan media visual di kelas V SD Negeri 1 Gondangrejo Tahun Pelajaran 2024/2025.

Kata kunci : matematika, *problem based learning*, pemecahan masalah

ABSTRACT

THE EFFECT OF ANIMATION VIDEO-ASSISTED PROBLEM BASED LEARNING MODEL ON THE MATHEMATICAL PROBLEM SOLVING ABILITY OF GRADE V ELEMENTARY SCHOOL STUDENTS

By

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The problem in this study was the low problem-solving ability in mathematics of the fifth-grade students at SD Negeri 1 Gondangrejo. This study aimed to determine the effect of the Problem-Based Learning model assisted by animation videos on students' mathematical problem-solving abilities and the differences in problem-solving abilities between the experimental class and the control class. The research method used was a quasi-experimental design with a non-equivalent control group design. The population of the study consisted of all fifth-grade students at SD Negeri 1 Gondangrejo, totaling 40 students. The sample was determined using a saturated sampling technique. Data collection techniques were conducted through tests and non-tests, while data analysis was performed using simple linear regression and t-tests. The results of this study indicated that there was an effect of the Problem-Based Learning model assisted by animation videos on the mathematical problem-solving abilities of the fifth-grade students at SD Negeri 1 Gondangrejo in the 2024/2025 academic year, and there was a difference in mathematical problem-solving abilities between students who used the Problem-Based Learning model assisted by animation videos and students who used the Inquiry-Based Learning model assisted by visual media in the fifth grade at SD Negeri 1 Gondangrejo in the 2024/2025 academic year.

Keywords: mathematics, problem based learning, problem solving