

ABSTRAK

Prayoga Darma Wijaya. 2025. Pengaruh Model Pembelajaran Problem Based Learning Berbantuan Media *Educandy* Terhadap Kemampuan Berhitung Perkalian Siswa Kelas III SDN Krebet 02. Pendidikan Guru Sekolah Dasar, Universitas PGRI Madiun. Pembimbing (I) Octariana Hidayatus Sholihah, S.Pd., M.Pd. (II) Dr. Lingga Nico Pradana, M.Pd.

Kata Kunci : *Problem based learning, Educandy, Kemampuan Berhitung.*

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Problem Based Learning* (PBL) berbantuan media *Educandy* terhadap kemampuan berhitung perkalian siswa kelas III SDN Krebet 02. Latar belakang penelitian ini adalah rendahnya penguasaan siswa terhadap materi perkalian bilangan cacah, khususnya pada perkalian bilangan di atas 5 sampai 10 dan perkalian dua angka dengan satu angka. Penelitian ini menggunakan pendekatan kuantitatif dengan desain penelitian yang digunakan adalah *eksperimen time series*. Penelitian ini termasuk dalam kategori *pre-eksperimental*. Subjek penelitian adalah siswa kelas III SDN Krebet 02. Instrumen yang digunakan berupa tes kemampuan berhitung perkalian. Studi ini dilakukan selama semester genap tahun akademik 2024/2025 di SDN Krebet 02 Uji statistik (uji normalitas, dan uji hipotesis) digunakan untuk menganalisis data penelitian ini. Hasil analisis ditentukan oleh sampel *t-test independen*. menggunakan SPSS IBM 26. Berdasarkan hasil analisis, diperoleh data rerata nilai *post-test* 86,43. Hasil pengujian hipotesis dengan *uji independent sampel t-test* diperoleh hasil sig (2-tailed) $< 0,01$ ($0,000 < 0,01$). Hal tersebut menunjukkan bahwa penerapan model pembelajaran PBL berbantuan media *Educandy* memberikan peningkatan yang signifikan terhadap kemampuan berhitung perkalian siswa. Siswa menjadi lebih aktif, antusias, dan mampu menyelesaikan soal perkalian dengan lebih baik setelah pembelajaran menggunakan kombinasi model PBL dan media *Educandy*. Dengan demikian, model pembelajaran PBL berbantuan media *Educandy* dapat dijadikan alternatif inovatif untuk meningkatkan kemampuan berhitung perkalian pada siswa sekolah dasar, khususnya pada materi perkalian bilangan cacah sampai 100.

ABSTRACT

Prayoga Darma Wijaya. 2025. *The Effect of Problem Based Learning Model Assisted by Educandy Media on the Multiplication Calculation Ability of Grade III Students of SDN Krebet 02. Elementary School Teacher Education, PGRI Madiun University. Advisor (I) Octariana Hidayatus Sholihah, S.Pd., M.Pd. (II) Dr. Lingga Nico Pradana, M.Pd.*

Keywords: Problem based learning, Educandy, Numeracy Skills.

This study aims to determine the effect of the Problem Based Learning (PBL) learning model assisted by Educandy media on the multiplication calculation ability of third-grade students of SDN Krebet 02. The background of this study is the low mastery of students on the material of multiplication of whole numbers, especially on multiplication of numbers above 5 to 10 and multiplication of two numbers by one number. This study uses a quantitative approach with the research design used is a time series experiment. This study is included in the pre-experimental category. The subjects of the study were third-grade students of SDN Krebet 02. The instrument used was a multiplication calculation ability test. This study was conducted during the even semester of the 2024/2025 academic year at SDN Krebet 02. Statistical tests (normality tests, and hypothesis tests) were used to analyze the data of this study. The results of the analysis were determined by independent sample t-tests. using SPSS IBM 26. Based on the results of the analysis, the average post-test score was 86.43. The results of hypothesis testing with independent sample t-tests obtained sig (2-tailed) <0.01 (0.000 <0.01). This shows that the application of the PBL learning model assisted by Educandy media provides a significant increase in students' multiplication calculation abilities. Students become more active, enthusiastic, and able to solve multiplication problems better after learning using a combination of the PBL model and Educandy media. Thus, the PBL learning model assisted by Educandy media can be used as an innovative alternative to improve the multiplication calculation skills of elementary school students, especially in the material on multiplication of whole numbers up to 100.