

Rahmatus Siyamah. 2024. *Pengaruh Model Realistic Mathematics Education Terhadap Pemahaman Matematis Peserta Didik Pada Materi Perkalian dan Pemahaman Matematis Peserta Didik*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Rika Wulandari S.Pd., M.Pd.

ABSTRAK

Abstrak: Tujuan Penelitian ini adalah untuk mengetahui pengaruh yang signifikan pada penerapan model *Realistic Mathematics Education* terhadap pemahaman konsep matematis peserta didik pada materi perkalian dan pembagian bilangan desimal. Penelitian ini menggunakan jenis penelitian kuantitatif dengan metode komparatif/eksperimen dan desain penelitian Eksperimen Semu/*Quasi Experimental Design* dengan bentuk *Nonequivalent Control Group Design*. Populasi penelitian yaitu seluruh peserta didik kelas IVA dan IVB SDN Banyuajuh 2 tahun ajaran 2023-2024. Pengambilan sampel menggunakan teknik sensus/sampling total dengan jumlah 20 dan 15 peserta didik. Data dikumpulkan dengan menggunakan soal *pretest-posttest* pada kelas eksperimen-kontrol dengan 10 soal pilihan ganda dan 5 soal uraian. Hasil penelitian menunjukkan bahwa diperoleh nilai Sig. (2-tailed) Uji t (*Independent Sample t-test*) = $0,020 < 0,025$ (H_0 ditolak dan H_1 diterima) dan nilai $t_{hitung} > t_{tabel}$ ($2,443 > 2,03452$) maka H_0 ditolak dan H_1 diterima yang menandakan bahwa ada perbedaan yang signifikan antara hasil belajar kelas eksperimen dan kelas kontrol yang terbukti berdasarkan nilai rata-rata yang telah didapatkan nilai *posttest* hasil belajar kelas eksperimen-kontrol yaitu 80,933 dan 71,7. Jadi dapat disimpulkan bahwa, terdapat pengaruh model *Realistic Mathematics Education* terhadap pemahaman konsep matematis peserta didik pada materi perkalian dan pembagian bilangan desimal.

Kata kunci: pengaruh, *realistic mathematics education*, pemahaman konsep

Rahmatus Siyamah. 2024. *The Influence of the Realistic Mathematics Education Model on Students' Mathematical Understanding of Multiplication Material and Students' Mathematical Understanding*. Thesis, Elementary School Teacher Education Study Program, Faculty of Education, Trunojoyo University Madura. Supervisor: Rika Wulandari S.Pd., M.Pd.

ABSTRACT

Abstract: The aim of this research is to determine the significant influence of the application of the Realistic Mathematics Education model on students' understanding of mathematical concepts in the multiplication and division of decimal numbers. This research uses quantitative research with comparative/experimental methods and a Quasi-Experimental Research design in the form of a Nonequivalent Control Group Design. The research population is all students in classes IVA and IVB at SDN Banyuajuh 2 for the 2023-2024 academic year. Sampling used a total census/sampling technique with a total of 20 and 15 students. Data was collected using pretest-posttest questions in the experimental-control class with 10 multiple choice questions and 5 description questions. The research results show that the Sig. (2-tailed) Independent Sample t-test = 0,020 < 0,025 (H_0 is rejected and H_1 is accepted) and $t_{hitung} > t_{tabel} = 2,443 > 2,03452$ (H_0 is rejected and H_1 is accepted) which indicates that there is a significant difference between the learning outcomes of the experimental class and the control class which is proven based on the average value that has been obtained posttest value of the learning outcomes of the experimental-control class namely 80,933 and 71,7. So it can be concluded that, there is an influence of the Realistic Mathematics Education model on students' understanding of mathematical concepts in the material of multiplication and division of decimal numbers.

Keywords: *influence, realistic mathematics education, understanding of concepts*