

Siti Mutmainah. 2023. *Pengaruh Pendekatan Realistic Mathematics Education (RME) Terhadap Kemampuan Pemahaman Konsep Matematika Peserta Didik di Sekolah Dasar*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing: Rika Wulandari, S.Pd, M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui peningkatan yang signifikan pemahaman konsep matematik siswa, melalui penerapan pendekatan *Realistic Mathematics Education* (RME). Penelitian ini merupakan penelitian kuantitatif dengan jenis penelitian eksperimen, desain yang digunakan yaitu *pre experimental desain* dengan *one group pre test – post test*. Pengambilan sampel menggunakan teknik *probability sampling* jenis *simple random sampling*, pengukuran sampel dihitung menggunakan teknik solvin. Sampel yang digunakan berjumlah 10 siswa dari kelas IV SDN Karangsono 04, penelitian ini hanya menggunakan kelas eksperimen. Data dikumpulkan menggunakan wawancara terstruktur dan tes soal, uji coba instrumen yang digunakan adalah uji validitas dan uji reliabilitas, sedangkan analisis data menggunakan uji normalitas, uji homogenitas. Uji hipotesis menggunakan uji t, berdasarkan hasil analisis data uji-t menggunakan taraf signifikansi 0,05. Dapat disimpulkan bahwa nilai $t_{hitung} > t_{tabel}$ ($11,378 > 2,30600$), berarti H_0 ditolak dan H_a diterima, maka dapat disimpulkan bahwa terdapat pengaruh yang signifikan pada penerapan pendekatan *Realistic Mathematics Education* (RME) terhadap pemahaman Konsep matematika siswa kelas IV SDN Karangsono 04.

Kata Kunci: Pendekatan *Realistics Mathematics Eduucation* (RME), Pemahaman Konsep, Matematika.

Siti Mutmainah. 2023. *The Effect of the Realistic Mathematics Education (RME) Approach on the Ability to Understand Mathematics Concepts of Students in Elementary Schools*. Thesis, Elementary School Teacher Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor: Rika Wulandari, S.Pd, M.Pd.

ABSTRACT

This study aims to determine a significant increase in students' understanding of mathematical concepts, through the application of the Realistic Mathematics Education (RME) approach. This research is a quantitative research with the type of experimental research, the design used is a pre experimental design with one group pre test - post test. Sampling used a probability sampling technique of simple random sampling, sample measurements were calculated using the solvency technique. The sample used was 10 students from class IV SDN Karangsono 04, this study only used the experimental class. Data were collected using structured interviews and test questions, the test instruments used were validity and reliability tests, while data analysis used normality tests, homogeneity tests. Test the hypothesis using the t test, based on the results of the t-test data analysis using a significance level of 0.05. It can be concluded that the value of $t_{count} > t_{table}$ ($11.378 > 2.30600$), means that H_0 is rejected and H_a is accepted, so it can be concluded that there is a significant influence on the application of the Realistic Mathematics Education (RME) approach to understanding mathematical concepts in class IV SDN Karangsono 04.

Keywords: *Realistic Mathematics Education (RME) Approach, Understanding Concepts, Mathematics.*