

ABSTRAK

PENGARUH REALISTIC MATHEMATICS EDUCATION (RME) BERBANTUAN MEDIA REALIA TERHADAP KEMAMPUAN PEMECAHAN MASALAH MATEMATIS PESERTA DIDIK KELAS IV SEKOLAH DASAR

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Penelitian ini membahas masalah tentang rendahnya kemampuan pemecahan masalah matematika peserta didik kelas IV SD Negeri 4 Metro Utara. Penelitian ini bertujuan untuk mengetahui pengaruh pendekatan *Realistic Mathematics Education* (RME) berbantuan media realia terhadap kemampuan pemecahan masalah matematika dan perbedaan kemampuan pemecahan masalah antara kelas eksperimen dan kelas kontrol. Metode penelitian yang digunakan adalah penelitian kuantitatif jenis penelitian eksperimen semu (*quasi experiment*) dengan desain *non-equivalent control group*. Populasi penelitian ini seluruh peserta didik kelas IV SD Negeri 4 Metro Utara berjumlah 50 peserta didik. Sampel penelitian sebanyak 50 peserta didik yang ditentukan menggunakan *sampling* jenuh. Teknik pengumpulan data dilakukan melalui tes dan non-tes, sementara uji hipotesis menggunakan uji regresi linear sederhana dan uji t. Penelitian ini menunjukkan bahwa terdapat pengaruh pendekatan *Realistic Mathematics Education* (RME) berbantuan media realia sebesar 79,3% terhadap kemampuan pemecahan masalah matematis peserta didik kelas IV SD Negeri 4 Metro Utara Tahun Pelajaran 2025/2026 dan terdapat perbedaan kemampuan pemecahan masalah matematis antara peserta didik yang menggunakan pendekatan *Realistic Mathematics Education* (RME) berbantuan media realia dengan peserta didik yang menggunakan pendekatan saintifik di kelas IV SD Negeri 4 Metro Utara Tahun Pelajaran 2025/2026.

Kata Kunci: matematika, pemecahan masalah, *realistic mathematics education*

ABSTRACT

THE EFFECT OF REALISTIC MATHEMATICS EDUCATION (RME) ASSISTED BY REALIA MEDIA ON THE MATHEMATICAL PROBLEM-SOLVING ABILITY OF GRADE IV ELEMENTARY SCHOOL STUDENTS

By

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This study addresses the problem of low mathematical problem-solving abilities among fourth-grade students at SD Negeri 4 Metro Utara. The purpose of this research is to determine the effect of the Realistic Mathematics Education (RME) approach, assisted by realia media, on students' mathematical problem-solving abilities, as well as to examine the differences in problem-solving abilities between the experimental and control classes. The research method employed is quantitative, using a quasi-experimental design with a non-equivalent control group. The population consists of all fourth-grade students at SD Negeri 4 Metro Utara, totaling 50 students. The research sample, consisting of 50 students, was selected through saturated sampling. Data were collected through tests and non-test instruments, while hypothesis testing was conducted using simple linear regression and an independent t-test. The results show that the Realistic Mathematics Education (RME) approach, assisted by realia media, has a 79.3% influence on the mathematical problem-solving abilities of fourth-grade students at SD Negeri 4 Metro Utara in the 2025/2026 academic year. Additionally, there are differences in mathematical problem-solving abilities between students who used the RME approach assisted by realia media and those who used the scientific approach in the fourth grade at SD Negeri 4 Metro Utara in the 2025/2026 academic year.

Keywords: mathematics, problem solving, realistic mathematics education.