

**PENGARUH MODEL *REALISTIC MATHEMATICS EDUCATION* (RME)
BERBANTUAN MEDIA BOOKLET TERHADAP KEMAMPUAN
PEMECAHAN MASALAH PADA OPERASI HITUNG BILANGAN
CACAH DI KELAS IV DI GUGUS IX KINTAMANI**

Oleh

Kadek Nadia Julianti, NIM 2211031615

Program Studi Pendidikan Guru Sekolah Dasar

Jurusan Pendidikan Dasar

ABSTRAK

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan pemecahan masalah matematika peserta didik sekolah dasar yang disebabkan oleh pembelajaran yang masih berpusat pada guru, kurang kontekstual, serta minim penggunaan media pembelajaran. Penelitian ini bertujuan untuk menganalisis pengaruh penerapan model *Realistic Mathematics Education* (RME) berbantuan media *booklet* terhadap kemampuan pemecahan masalah pada materi operasi hitung bilangan cacah. Penelitian ini menggunakan rancangan penelitian eksperimen semu dengan desain *non-equivalent control group design*. Subjek penelitian meliputi peserta didik kelas IV SD Gugus IX Kintamani yang terbagi ke dalam kelompok eksperimen dan kelompok kontrol. Hasil perhitungan menunjukkan bahwa $F_{hitung} (1,848) < F_{tabel} (2,454)$, maka dapat disimpulkan bahwa tidak terdapat perbedaan yang signifikan di antara kelas kelas IV SD di Gugus IX Kintamani. Hal ini menunjukkan bahwa seluruh populasi adalah setara. Pengumpulan data kemampuan pemecahan masalah dilakukan melalui tes berbentuk soal esai. Hasil penelitian menunjukkan bahwa rata-rata nilai kemampuan pemecahan masalah peserta didik pada kelompok eksperimen sebesar 78,5 lebih tinggi dibandingkan kelompok kontrol sebesar 72,3. Hasil analisis uji-t menunjukkan nilai t_{hitung} sebesar 2,419 dan t_{tabel} sebesar 2,024 pada taraf signifikan 5%. Berdasarkan hasil analisis data, diketahui bahwa t_{hitung} lebih besar daripada t_{tabel} , maka H_0 ditolak dan H_1 diterima, yang menyatakan bahwa terdapat perbedaan signifikan pada penerapan model pembelajaran *Realistic Mathematics Education* (RME) berbantuan media *booklet* terhadap kemampuan pemecahan masalah peserta didik kelas IV pada operasi hitung bilangan cacah di Gugus IX Kintamani.

Kata Kunci: Model *Realistic Mathematics Education* (RME), Media *Booklet*, Kemampuan Pemecahan Masalah, Operasi Hitung Bilangan Cacah.

***THE EFFECT OF THE REALISTIC MATHEMATICS EDUCATION (RME)
MODEL ASSISTED BY BOOKLET MEDIA ON PROBLEM-SOLVING
ABILITY IN WHOLE NUMBER OPERATIONS OF FOURTH GRADE
STUDENTS IN CLUSTER IX KINTAMANI***

By

Kadek Nadia Julianti, Student ID 2211031615

Elementary School Teacher Education Study Program

Elementary Education Department

ABSTRACT

This study was motivated by the low mathematical problem-solving abilities of elementary school students, which are caused by teacher-centered learning, lack of contextualization, and minimal use of learning media. This study aims to analyze the effect of applying the Realistic Mathematics Education (RME) model assisted by booklet media on problem-solving skills in the topic of whole number arithmetic operations.

This research used a quasi-experimental design with a non-equivalent control group design. The research subjects were fourth-grade students of SD Gugus IX Kintamani, divided into an experimental group and a control group. The calculation results showed that $F_{\text{count}} (1,848) < F_{\text{table}} (2,454)$, so it can be concluded that there is no significant difference among fourth-grade classes in SD Gugus IX Kintamani. This indicates that the entire population is equivalent.

Data on problem-solving skills were collected using essay tests. The results showed that the average problem-solving score of students in the experimental group was 78,5, higher than the control group's 72,3. The t-test analysis showed a t_{count} value of 2,419 and a t_{table} value of 2,024 at a 5% significance level. Based on the data analysis, it is known that t_{hitung} is greater than t_{table} , so H_0 is rejected and H_1 is accepted, which states that there is a significant difference in the application of the Realistic Mathematics Education (RME) model assisted by booklet media on the problem-solving abilities of fourth-grade students in whole number arithmetic operations in Gugus IX Kintamani..

Keywords: *Realistic Mathematics Education (RME) Model, Booklet Media, Problem-Solving Ability, Whole Number Operations.*