

**PENGARUH *REALISTIC MATHEMATICS EDUCATION* BERBASIS
KEARIFAN LOKAL *JEJAHITAN* MATERI BANGUN DATAR
TERHADAP KEMAMPUAN NUMERASI SISWA KELAS IV SD DI
GUGUS 3 KECAMATAN ABANG**

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ABSTRAK

Penelitian ini bertujuan untuk menyelidiki pengaruh *Realistic Mathematics Education* berbasis kearifan lokal *jejahitan* materi bangun datar terhadap kemampuan numerasi siswa kelas IV SD di Gugus 3 Kecamatan Abang. Penelitian ini merupakan penelitian eksperimen semu dengan rancangan *Nonequivalent Pre-Test Post Test Control Group Design*. Populasi dalam penelitian ini adalah seluruh siswa kelas IV SD di Gugus 3 Kecamatan Abang. Sampel penelitian diambil dengan teknik *random sampling* dengan kelas yang dirandom sebagai *intact group*. Sampel penelitian pada kelompok eksperimen yaitu siswa kelas IV SDN 3 Kertha Mandala yang berjumlah 24 orang dan siswa kelas IV SDN 2 Purwa Kerthi yang berjumlah 22 orang sebagai kelompok kontrol. Data penelitian dikumpulkan menggunakan metode tes dengan instrumen tes objektif. Data yang diperoleh dianalisis dengan menggunakan statistik deskriptif dan statistik inferensial (Uji-t). Adapun rata-rata skor kemampuan numerasi di kelas eksperimen *pre-test* sebesar 50,56, dan *post-test* sebesar 82,78. Rata-rata *pre-test* di kelas kontrol sebesar 52,73, dan *post-test* sebesar 67,88. Berdasarkan hasil uji- t dilihat bahwa nilai signifikan pada kolom *Equal variances assumed* sebesar 0,000 yang lebih kecil dari 0,05, sehingga dapat dinyatakan bahwa hipotesis nol (H_0) ditolak dan H_1 diterima. Dengan demikian, dapat disimpulkan bahwa terdapat pengaruh yang signifikan dari *Realistic Mathematics Education* berbasis kearifan lokal *jejahitan* materi bangun datar terhadap kemampuan numerasi siswa kelas IV SD di Gugus 3 Kecamatan Abang.

Kata Kerja: *RME*, Kearifan Lokal *Jejahitan*, Kemampuan Numerasi

***THE EFFECT OF REALISTIC MATHEMATICS EDUCATION BASED ON
LOCAL *JEJAHITAN* WISDOM REGARDING 2D SHAPES ON THE
NUMERACY SKILLS OF GRADE IV ELEMENTARY SCHOOL STUDENTS
IN CLUSTER 3, ABANG DISTRICT***

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ABSTRACT

This study aims to investigate the influence of Realistic Mathematics Education based on local wisdom of jejahitan on plane figure material on the numeracy skills of fourth-grade elementary school students in Cluster 3, Abang District. This study is a quasi-experimental study with a Nonequivalent Pre-Test Post-Test Control Group Design. The population in this study were all fourth-grade elementary school students in Cluster 3, Abang District. The research sample was taken using a random sampling technique with randomized classes as intact groups. The sample of this research group in the experimental group was 24 fourth-grade students of SDN 3 Kertha Mandala and 22 fourth-grade students of SDN 2 Purwa Kerthi as the control group. The research data were collected using a test method with objective test instruments. The data obtained were analyzed using descriptive statistics and inferential statistics (t-test). The average numeracy ability score in the experimental class pre-test was 50.56, and post-test was 82.78. The average pre-test in the control class was 52.73, and post-test was 67.88. Based on the results of the t-test, it can be seen that the significant value in the Equal variances assumed column is 0.000, which is smaller than 0.05, so it can be stated that the null hypothesis (H_0) is rejected and H_1 is accepted. Thus, it can be concluded that there is a significant influence of Realistic Mathematics Education based on local wisdom of jejahitan on plane figure material on the numeracy skills of fourth-grade elementary school students in Cluster 3, Abang District.

Keywords: RME, Local Wisdom of Jejahitan, Numeracy Skills