

ABSTRAK

Muhammad Bakri, 2022. *Pengembangan Lembar Kerja Peserta Didik Berbasis Realistic Mathematics Education pada Materi Pecahan Kelas IV SDS Bina Bangsa 06 Kecamatan Mentaya Hulu Kabupaten Kotawaringin Timur.* Pembimbing I Dr. Agustan S, M.Pd dan Pembimbing II Dr. Idawati, M.Pd.

Penelitian ini bertujuan mengembangkan lembar kerja peserta didik berbasis *Realistic Mathematics Education* yang valid, efektif dan praktis. Jenis penelitian yang digunakan dalam penelitian ini adalah *Research and Development* (R & D) dengan model pengembangan 4D yaitu *define, design, development, dan disseminate*. Subjek yang digunakan dalam penelitian ini adalah peserta didik kelas IV sebanyak 23 peserta didik. Instrumen yang digunakan dalam penelitian ini berupa instrumen perangkat pembelajaran yaitu RPP, dan Lembar Kerja Peserta Didik serta instrument pengumpulan data yaitu angket validasi, angket respon guru dan peserta didik, lembar tes dan lembar observasi.

Berdasarkan analisis kevalidan berdasarkan data pengisian instrumen oleh uji ahli dan praktisi baik dari segi desain dan materi menunjukkan bahwa lembar kerja peserta didik berbasis *Realistic Mathematics Education* dinilai dengan skor rata-rata 4,3. Hasil analisis observasi keaktifan peserta didik dalam penggunaan lembar kerja peserta didik berbasis *Realistic Mathematics Education* diperoleh rata-rata adalah 90,83%. Berdasarkan hasil observasi keterlaksanaan pembelajaran diperoleh 93,75% yang terlaksana dari seluruh kegiatan pembelajaran. Hasil yang ditunjukkan bahwa skor *N-gain* 0,79 yang termasuk dalam kategori sedang dan nilai persentase *Gain* adalah 79%. Berdasarkan hasil respons guru diperoleh rata-rata skor 4,4 dan respons peserta didik diperoleh rata-rata skor 4,50.

Sehingga dapat disimpulkan bahwa lembar kerja peserta didik berbasis *Realistic Mathematics Education* Valid, Efektif dan Praktis digunakan dalam pembelajaran.

Kata Kunci : Lembar Kerja Peserta Didik, *Realistic Mathematics Education*, Pecahan.

ABSTRACT

Muhammad Bakri, 2022. Student Worksheets Development with Realistic Mathematics Education Based on Fractions Subject at Grade IV SDS Bina Bangsa 06 Mentaya Hulu District, Kotawaringin Timur Regency. Supervised by Agustan and Idawati.

This study aimed to develop student worksheets based on Realistic Mathematics Education which valid, effective and practical. The type of research used in this research was Research and Development (R&D) with a 4D development model, namely define, design, development, and disseminate. The subjects used in this study were class IV students as many as 23 students. The instruments used in this study were learning instruments, namely lesson plans, and student worksheets as well as data collection instruments, namely validation questionnaires, teacher and student response questionnaires, test sheets and observation sheets.

Based on the analysis of the validity based on data filling in the instrument by expert and practitioner tests both in terms of design and material, it showed that student worksheets based on Realistic Mathematics Education were assessed with an average score of 4.3. The results of the analysis of student activity observations in the used of student worksheets based on Realistic Mathematics Education obtained average 90.83%. Based on the results of observations on the implementation of learning that 93.75% were carried out from all learning activities. The results showed that the N-gain score was 0.79 which included in the medium category and the percentage gain value was 79%. Based on the results of the teacher's response obtained an average score were 4.4 and students' responses obtained an average score were 4.50.

So it can be concluded that the student worksheets based on Realistic Mathematics Education are Valid, Effective and Practical are used in learning.

Keywords: *Student Worksheet, Realistic Mathematics Education, Fractions.*



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