

Shofiatul Karimah. 2025. *Pengembangan LKPD Berbasis Realistic Mathematics Education Materi Bilangan Pecahan Pada Kelas V MIM 1 Kendalkemlagi*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Ade Cyntia Pritasari.

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan Lembar Kerja Peserta Didik (LKPD) berbasis pendekatan *Realistic Mathematics Education* (RME) pada materi bilangan pecahan untuk siswa kelas V MIM 1 Kendalkemlagi. Latar belakang dari penelitian ini adalah rendahnya pemahaman siswa terhadap konsep pecahan, terbatasnya media pembelajaran yang digunakan guru, serta proses pembelajaran yang masih didominasi oleh metode *teacher centered*. Penelitian ini menggunakan metode Research and Development (R&D) dengan model pengembangan Plomp yang terdiri dari fase Investigasi awal (*Preliminary investigation*), desain (*design*), relasi/ konstruksi (*realization/construction*), tes, evaluasi dan revisi (*test, evaluation and revision*) dan implementasi (*implementation*). Validitas produk diuji melalui validasi ahli materi sebesar 71,76%, ahli desain pembelajaran sebesar 88,23%, dan ahli desain bahan ajar sebesar 83,75%. Keefektifan dan Kemenarikan diuji melalui uji kelompok kecil dan uji kelompok besar pada siswa. Hasil penelitian menunjukkan bahwa LKPD yang dikembangkan valid, menarik, dan efektif dalam meningkatkan pemahaman siswa terhadap konsep bilangan pecahan. Dengan menggunakan pendekatan RME, LKPD ini mengaitkan konsep matematika dengan kehidupan nyata sehingga pembelajaran menjadi lebih bermakna dan kontekstual. Oleh karena itu, LKPD ini layak digunakan sebagai alternatif bahan ajar dalam pembelajaran matematika di sekolah dasar.

Kata Kunci: LKPD, *Realistic Mathematics Education*, Bilangan Pecahan.

Shofiatul Karimah. 2025. Development of Student Worksheets Based on Realistic Mathematics Education on Fraction Material for Fifth Grade at MIM 1 Kendalkemlagi. Undergraduate Thesis, Primary School Teacher Education Study Program, Faculty of Teacher Training and Education, University of Trunojoyo Madura. Advisor: Ade Cyntia Pritasari.

ABSTRACT

This study aims to develop a Student Worksheet (LKPD) based on the Realistic Mathematics Education (RME) approach for the topic of fractions for fifth-grade students at MIM 1 Kendalkemlagi. The background of this research is the low level of students' understanding of fraction concepts, the limited instructional media used by teachers, and the learning process that is still dominated by teacher-centered methods. This study uses the Research and Development (R&D) method with the Plomp development model, which consists of the following phases: Preliminary Investigation, Design, Realization/Construction, and Test, Evaluation, and Revision and implementation. The validity of the product was tested through expert validation, with results as follows: subject matter expert – 71.76%, instructional design expert – 88.23%, and teaching material design expert – 83.75%. The effectiveness and attractiveness of the LKPD were tested through small group and large group trials with students. The results of the study indicate that the developed LKPD is valid, engaging, and effective in improving students' understanding of fraction concepts. By applying the RME approach, this LKPD connects mathematical concepts to real-life situations, making learning more meaningful and contextual. Therefore, this LKPD is feasible to be used as an alternative teaching material in elementary school mathematics learning.

Keywords: Student Worksheet (LKPD), Realistic Mathematics Education, Fractions