

Fitriana Citra Dewi. 2024. *Pengembangan E-LKPD Matematika Berbasis Problem Based Learning Materi Pembagian Pecahan Pada Siswa Kelas V SDN Banyuajuh 2 Kamal*. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar. Fakultas Ilmu Pendidikan. Universitas Trunojoyo Madura. Pembimbing: Nova Estu Harsiwi, S.Pd., M.Pd.

ABSTRAK

Tujuan penelitian pengembangan ini yaitu untuk mengembangkan produk E-LKPD matematika berbasis *problem based learning* materi pembagian pecahan yang valid, efektif, dan menarik. Penelitian ini menggunakan model pengembangan 4D dengan 4 tahapan yaitu pendefinisian (*define*), perancangan (*design*), pengembangan (*develop*), dan penyebaran (*disseminate*). Subjek penelitian ini adalah siswa kelas V SDN Banyuajuh 2 Kamal. Berdasarkan hasil dari validasi ahli diperoleh hasil validasi ahli bahan ajar 89,6% dengan kategori sangat valid, validasi ahli bahasa dan materi 87,5% dengan kategori sangat valid, dan validasi ahli desain pembelajaran 92,5% dengan kategori sangat valid. Keefektifan diperoleh dari hasil observasi aktivitas guru dan siswa dan ketuntasan hasil belajar siswa. Hasil observasi aktivitas guru yaitu 95,8% dengan kategori aktif dan hasil observasi aktivitas siswa yaitu 98% dengan kategori aktif, serta hasil belajar siswa menunjukkan ketuntasan belajar siswa secara klasikal yaitu 100%. Kemenarikan produk diperoleh dari hasil angket respon guru dan siswa. Hasil angket respon guru 100% dengan kategori sangat menarik dan hasil angket respon siswa 94,3% dengan kategori sangat menarik. Berdasarkan hasil penelitian maka E-LKPD matematika berbasis *problem based learning* dinyatakan valid, efektif, dan menarik.

Kata kunci: *E-LKPD matematika, pembagian pecahan, problem based learning.*

Fitriana Citra Dewi. 2024. Development of Mathematics E-LKPD Based on Problem Based Learning Material for Division of Fractions for Class V Students at SDN Banyuajuh 2 Kamal. Thesis. Elementary Teacher Education Study Program. Faculty of Science Education. Trunojoyo University, Madura. Supervisor: Nova Estu Harsiwi, S.Pd., M.Pd.

ABSTRACT

The purpose of this development research is to develop a mathematics E-LKPD product based on problem based learning on fraction division material that is valid, effective and interesting. This study uses a 4D development model with 4 stages, namely defining, designing, developing, and disseminating. The subjects of this study were fifth grade students of SDN Banyuajuh 2 Kamal. Based on the results of expert validation, the results obtained from expert validation of teaching materials were 89.6% in the very valid category, validation of language and material experts was 87.5% in the very valid category, and learning design expert validation was 92.5% in the very valid category. Effectiveness is obtained from the results of observations of teacher and student activities and the completeness of student learning outcomes. The results of observations of teacher activities are 95.8% with an active category and the results of observations of student activities are 98% with an active category, and student learning outcomes show the completeness of student learning classically, namely 100%. The attractiveness of the product is obtained from the results of teacher and student response questionnaires. The results of the teacher response questionnaire were 100% with a very interesting category and the results of the student response questionnaire were 94.3% with a very interesting category. Based on the results of the study, the E-LKPD mathematics based on problem based learning was declared valid, effective, and interesting.

Keywords: *Mathematics E-LKPD, dividing fractions, problem based learning.*