

ABSTRACT

DEVELOPMENT OF WORKSHEETS BASED ON PROBLEM BASED LEARNING MULTIPLES AND FACTORS NUMBER SUBJECT OF FOURTH GRADE IN ELEMENTARY SCHOOL

By

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The purpose of this research was to produce the worksheet based on problem based learning multiple and factor number subject at the fourth grade of elementary school. This research used Research and Development (R&D) method. In collecting data the researcher used questionnaires and multiple choice test. Population in this research was four class which 115 fourth grade of elementary school students in SDN 6 Gedung Air Tanjung Karang Barat Bandar Lampung, and 29 students taken as samples by using cluster random sampling for experiment class. Furthermore, 3 students was taken as personal testing subject, 9 students as small group testing subject, 29 students as field testing subject. Effectiveness test is used t test from N-Gain data. Result of this research showed that 1) the developed worksheet based on problem based learning model is proper; and 2) The developed worksheet based on problem based learning effectively can improve students's learning outcome.

Keywords: worksheet, problem based learning, mathematics

ABSTRAK

PENGEMBANGAN LEMBAR KEGIATAN PESERTA DIDIK BERBASIS *PROBLEM BASED LEARNING* MATERI KELIPATAN DAN FAKTOR BILANGAN KELAS IV SEKOLAH DASAR

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Tujuan penelitian dan pengembangan ini untuk menghasilkan produk LKPD berbasis *problem based learning* dan meningkatkan hasil belajar siswa kelas IV SD. Metode yang digunakan adalah *Research & Development* (R&D). Alat pengumpul data berupa lembar angket dan tes pilihan ganda. Populasi penelitian ini adalah siswa kelas IV SD di SDN 6 Gedung air, Tanjung Karang Barat Bandar Lampung sebanyak 115 peserta didik terdiri dari empat kelas. Pengambilan sampel sebagai kelas eksperimen dilakukan dengan teknik *cluster random sampling* sebanyak 29 orang. Selanjutnya ditetapkan 3 orang subjek uji perorangan, 9 orang subjek kelompok kecil dan 29 orang uji lapangan. Untuk menguji efektivitas digunakan rumus Uji t dari data N-Gain. Hasil penelitian menunjukkan bahwa: 1) LKPD berbasis *problem based learning* yang dikembangkan layak digunakan; dan 2) LKPD berbasis *problem based learning* yang dikembangkan terbukti secara efektif dapat meningkatkan hasil belajar siswa.

Kata kunci: lembar kegiatan peserta didik, pembelajaran berbasis masalah,
matematika