

ABSTRAK

PENGEMBANGAN LKPD BERBASIS *PROJECT BASED LEARNING* UNTUK MENINGKATKAN KEMAMPUAN PEMECAHAN MASALAH PADA PEMBELAJARAN MATEMATIKA KELAS V SEKOLAH DASAR

Oleh

ARMANSYAH

Penelitian ini bertujuan untuk mengembangkan LKPD matematika berbasis PjBL pada materi kubus dan balok yang layak, praktis, dan efektif untuk mengukur kemampuan pemecahan masalah Peserta Didik kelas V Sekolah Dasar. Penelitian ini merupakan jenis penelitian *Research and Development (R&D)*, pengembangan dilakukan mengacu pada teori *Borg & Gall*. Populasi dalam penelitian ini adalah peserta didik kelas V SDN 1 Rajabasa Raya Bandar Lampung, Sampel penelitian ditentukan dengan teknik *simple random sampling*. Alat pengumpulan data menggunakan instrumen tes dan angket. Hasil penelitian menunjukkan bahwa penilaian Ahli materi memperoleh nilai validasi sebesar 92,31 % termasuk kategori sangat valid, penilaian ahli media memperoleh nilai validasi sebesar 96,42 % termasuk kategori sangat valid, penilaian ahli bahasa memperoleh nilai validasi sebesar 86,53 % termasuk kategori sangat valid, uji praktikalitas oleh pendidik memperoleh nilai sebesar 95,4 % termasuk kategori sangat praktis, dan uji praktikalitas oleh Peserta didik memperoleh nilai sebesar 94,0 % termasuk kategori sangat praktis, perolehan nilai *N-Gain* sebesar 0,7164 termasuk kategori tinggi. Teknik analisis data menggunakan uji *paired t-test* diperoleh nilai $\text{sig} = 0,00$ atau $P < 0,05$ dengan demikian H_0 ditolak dan H_1 diterima. Dengan demikian dapat disimpulkan bahwa LKPD matematika berbasis PjBL layak dan praktis untuk digunakan serta efektif meningkatkan kemampuan pemecahan masalah matematika pada peserta didik kelas V Sekolah Dasar.

Kata Kunci: Lembar Kerja Peserta Didik, PjBL, Kemampuan Pemecahan Masalah

ABSTRACT

DEVELOPMENT OF LKPD PROJECT BASED LEARNING WORKSHEETS TO IMPROVE PROBLEM SOLVING ABILITY IN MATHEMATICS LEARNING FOR 5th GRADE ELEMENTARY SCHOOL

By

ARMANSYAH

This research aims to develop mathematics worksheets (LKPD) based on Project Based Learning (PjBL) on the topics of cubes and rectangular prisms that are suitable, practical, and effective for measuring the problem solving abilities of 5th grade students in elementary school. This research is a type of Research and Development (R&D) study, with development referring to the Borg & Gall theory. The population in this study consists of students from the 5th grade at SDN 1 Rajabasa Raya Bandar Lampung, and the sample was determined using simple random sampling techniques. Data collection tools utilized tests and questionnaires. The results of the study indicate that the assessment by material experts received a validation score of 92.31%, categorized as very valid, the assessment by media experts received a validation score of 96.42%, also categorized as very valid, the assessment by language experts received a validation score of 86.53%, categorized as very valid, the practicality test conducted by educators achieved a score of 95.4%, categorized as very practical, and the practicality test conducted by students achieved a score of 94.0%, also categorized as very practical. The N-Gain score obtained was 0.7164, categorized as high. Data analysis techniques used a paired t-test, yielding a significance value of $\text{sig} = 0.00$ or $P < 0.05$, thus H_0 is rejected and H_1 is accepted. Based on the research conducted, it can be concluded that the mathematics worksheets (LKPD) based on PjBL are suitable and practical for use in learning, as well as effective in improving the problem-solving abilities of 5th grade elementary school students.

Keywords: Student Worksheets, PjBL, Problem Solving Ability