

ABSTRAK

**PENGEMBANGAN LKPD MODEL *PROJECT BASED LEARNING*
UNTUK MENUMBUHKAN KARAKTER MANDIRI PADA MATERI
MENGUBAH BENTUK ENERGI KELAS IV SD**

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Penelitian ini dilatarbelakangi oleh kebutuhan terhadap LKPD yang berkualitas yang menekankan pembelajaran yang berpusat pada peserta didik untuk menumbuhkan karakter mandiri sesuai dengan perkembangan kurikulum. Tujuan penelitian ini adalah untuk mengembangkan LKPD menggunakan model *project based learning* pada materi mengubah bentuk energi kelas IV SD dan menilai kualitas LKPD menggunakan model *project based learning* pada materi mengubah bentuk energi kelas IV SD. Jenis penelitian yang digunakan adalah R&D tipe ADDIE. Penelitian ini mengembangkan produk berupa LKPD dengan melibatkan 4 orang validator yang terdiri dari 3 guru kelas IV SD dan 1 ahli materi IPAS, serta 27 peserta didik kelas IV SD untuk uji coba produk.

Hasil penelitian menunjukkan bahwa (1) pengembangan LKPD menggunakan model *project based learning* lingkup materi mengubah bentuk energi kelas IV SD dilakukan menggunakan langkah ADDIE antara lain: *Analyze, Design, Development, Implement, dan Evaluate*. (2) Kualitas LKPD menggunakan model *project based learning* lingkup materi mengubah bentuk energi kelas IV SD memperoleh rata-rata skor validasi 3,74 dengan kategori “sangat baik”. Hasil uji coba menunjukkan bahwa LKPD efektif untuk menumbuhkan karakter kemandirian peserta didik dengan persentase kenaikan 29,7% dan efektif meningkatkan hasil belajar dengan perolehan skor 0,74 dengan masuk kategori “Tinggi”.

Kata kunci: LKPD, Model *Project Based Learning*, Karakter Mandiri.

ABSTRACT**DEVELOPMENT OF LKPD PROJECT BASED LEARNING MODEL TO FOSTER INDEPENDENT CHARACTER ON THE MATERIAL OF CHANGING THE FORM OF ENERGY FOR CLASS IV ELEMENTARY SCHOOL**

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This research is motivated by the need for quality LKPD that emphasizes learner-centered learning to foster independent character in accordance with curriculum development. The purpose of this research is to develop LKPD using project-based learning model on the material of changing the form of energy grade IV elementary school and to determine the quality of LKPD using project-based learning model on the material of changing the form of energy grade IV elementary school. The method used is the ADDIE type of R&D. This research developed a product in the form of LKPD by involving 4 validators consisting of 3 grade IV elementary school teachers and 1 IPAS material expert, and 27 fourth grade elementary school students for product trials.

The results showed that (1) the development of LKPD using the project-based learning model in the scope of material changing the form of energy in grade IV elementary school was carried out using ADDIE steps, among others: Analyze, Design, Development, Implement, and Evaluate. (2) The quality of the LKPD using the project-based learning model in the scope of material changing the form of energy in grade IV elementary school obtained an average validation score of 3.74 in the "very good" category. The trial results show that the LKPD is effective for fostering the character of independence of students with a percentage increase of 29.7% and effectively improving learning outcomes with a score of 0.74 in the "High" category.

Keywords: LKPD, Project Based Learning Model, Independent Character.