

**PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK BERBASIS  
PROBLEM BASED LEARNING MATERI SUMBER ENERGI MUATAN  
IPA KELAS IV SD NEGERI 2 BAKBAKAN TAHUN AJARAN 2021/2022**

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**Abstrak**

Penelitian ini bertujuan untuk (1) Mendeskripsikan rancang bangun Lembar Kerja Peserta Didik berbasis *Problem Based Learning* Materi Sumber Energi Muatan IPA (2) Menguji validitas Lembar Kerja Peserta Didik berbasis *Problem Based Learning* Materi Sumber Energi Muatan IPA menurut para ahli dan uji coba produk. Subjek penelitian yaitu: 1 ahli mata pelajaran, 1 ahli desain pembelajaran, 1 ahli media pembelajaran, 3 siswa untuk uji coba perorangan. Penelitian ini adalah penelitian pengembangan yang menggunakan model pengembangan ADDIE (*Analyze, Design, Development, Implementation, Evaluation*). Data yang diperoleh berupa data kuantitatif dan kualitatif. Metode pengumpulan data dilakukan dengan observasi, metode wawancara dan metode penyebaran angket atau kuisioner. Teknik analisis data yang digunakan adalah teknik analisis deskriptif kualitatif, dan deskriptif kuantitatif. Hasil penelitian (1) rancang bangun Lembar Kerja Peserta Didik (LKPD) berbasis *Problem Based Learning* Materi Sumber Energi Muatan IPA menggunakan model pengembangan ADDIE. (2) Lembar Kerja Peserta Didik berbasis *Problem Based Learning* Materi Sumber Energi Muatan IPA dikatakan valid dengan: (a) *review* ahli isi mata pelajaran menunjukkan lembar kerja peserta didik sangat baik dengan persentase (93%), (b) *review* ahli desain pembelajaran lembar kerja peserta didik berbasis *Problem Based Learning* termasuk dalam kriteria sangat baik dengan persentase (90%). (c) hasil *review* ahli media pembelajaran berupa lembar kerja peserta didik berbasis *Problem Based Learning* termasuk dalam kriteria baik dengan persentase (88%) dan (d) hasil uji perorangan media lembar kerja peserta didik termasuk dalam kriteria sangat baik dengan persentase (92,85%). Maka dapat disimpulkan bahwa, media pembelajaran berupa lembar kerja peserta didik yang dikembangkan layak digunakan dalam pembelajaran IPA siswa kelas IV SD Negeri 2 Bakbakan.

Kata Kunci: Lembar Kerja Peserta Didik, berbasis *Problem Based Learning*, IPA, Sumber Energi.

## ***Abstract***

*This study aims to (1) describe the design of Student Worksheets based on Problem Based Learning for Natural Science Content Energy Source Materials (2) Test the validity of Student Worksheets based on Problem Based Learning Science Content Energy Source Materials according to experts and product trials. The research subjects are: 1 subject expert, 1 learning design expert, 1 learning media expert, 3 students for individual trials. This research is a development research that uses the ADDIE development model (Analyze, Design, Development, Implementation, Evaluation). The data obtained in the form of quantitative and qualitative data. Methods of data collection is done by observation, interview methods and methods of distributing questionnaires or questionnaires. The data analysis technique used is descriptive qualitative analysis technique, and descriptive quantitative. The results of the research (1) design and build Student Worksheets (LKPD) based on Problem Based Learning Materials for Science Load Energy using the ADDIE development model. (2) Student Worksheets based on Problem Based Learning Science Content Energy Source Materials are said to be valid by: (a) expert review of subject matter content shows that student worksheets are very good with a percentage (93%), (b) expert review of learning design sheets Student work based on Problem Based Learning is included in the very good criteria with a percentage (90%). (c) the results of the expert review of learning media in the form of student worksheets based on Problem Based Learning are included in good criteria with a percentage (88%) and (d) the results of the individual test media for student worksheets are included in very good criteria with a percentage (92.85 %). So it can be concluded that the learning media in the form of student worksheets developed is suitable for use in science learning for fourth grade students of SD Negeri 2 Bakkaban.*

***Keywords: Student Worksheet, Problem Based Learning, Science, Energy Sources.***