

**ABSTRAK****PENGEMBANGAN PERANGKAT PEMBELAJARAN IPA BERBASIS  
MASALAH UNTUK KELAS IV SEKOLAH DASAR**

Bagas Adum Pangestu  
Universitas Sanata Dharma  
2021

Penelitian dilatarbelakangi oleh kebutuhan guru akan sebuah perangkat pembelajaran yang mampu mengembangkan kecakapan abad 21 peserta didik di antaranya adalah mengembangkan kemampuan memecahkan masalah. Penelitian ini bertujuan untuk (1) mendeskripsikan prosedur pengembangan produk berupa perangkat pembelajaran (RPP, Bahan Ajar, Media pembelajaran, LKPD, dan Penilaian) berbasis masalah mata pelajaran IPA untuk materi sumber energi untuk peserta didik kelas IV; (2) mengetahui kualitas dari pengembangan produk berupa perangkat pembelajaran (RPP, Bahan Ajar, Media pembelajaran, LKPD, dan Penilaian) berbasis masalah mata pelajaran IPA untuk materi sumber energi untuk peserta didik kelas IV.

Jenis penelitian adalah *Research and Development* (R&D) dengan menggunakan model ADDIE. Subjek penelitian adalah guru kelas IV SD Negeri Prawirotaman dan SD Negeri Tirtoadi. Objek penelitian adalah pengembangan produk berupa perangkat pembelajaran (RPP, bahan ajar, media pembelajaran, LKPD, dan penilaian) pada materi sumber energi tema 2 subtema 2 kelas IV Sekolah Dasar. Teknik pengumpulan data diperoleh dengan wawancara, kuesioner dan tes. Analisis data penelitian menggunakan analisis kuantitatif dan kualitatif.

Hasil penelitian menunjukkan perangkat pembelajaran mendapatkan nilai dan kategori: (1) RPP mendapat nilai rata-rata 124 dengan kategori "LAYAK", (2) bahan ajar mendapatkan nilai rata-rata 33,5 dengan kategori "LAYAK", (3) media pembelajaran mendapatkan nilai rata-rata 89,5 dengan kategori "LAYAK", (4) LKPD mendapatkan nilai rata-rata 30,25 dengan kategori "LAYAK", dan (5) penilaian mendapatkan nilai rata-rata 23,75 dengan kategori "LAYAK".

**Kata kunci:** perangkat pembelajaran berbasis masalah, IPA

**ABSTRACT****“DEVELOPMENT OF PROBLEM-BASED SCIENCE LEARNING  
DEVICES FOR GRADE IV ELEMENTARY SCHOOL”**

*Bagas Adum Pangestu  
Sanata Dharma University  
2021*

*The research is motivated by the teacher's need for a learning device that is able to develop the 21st century skills of students, including developing problem-solving skills. This study aims to (1) describe product development procedures in the form of learning tools (learning implementation plans, teaching materials, learning media, student worksheets, and assessments) based on science subjects for energy source materials for fourth grade students; (2) determine the quality of product development in the form of learning tools (learning implementation plans, teaching materials, learning media, student worksheets, and assessments) based on science subjects for energy source materials for fourth grade students..*

*The type of research is Research and Development (R&D) using the ADDIE model. The research subjects were fourth grade teachers at Prawirotaman elementary school and Tirtoadi elementary school. The object of research is product development in the form of learning tools (learning implementation plans, teaching materials, learning media, student worksheets, and assessments) on energy source material theme 2 sub-theme 2 grade IV Elementary School. Data collection techniques obtained by interviews, questionnaires, and tests. Analysis of research data using quantitative and qualitative analysis.*

*The results of the study show that the learning tools get scores and categories: (1) The lesson plan gets an average score of 124 with the " WORTH" category, (2) the teaching materials get an average score of 33.5 with the " WORTH" category, (3) learning media got an average score of 89.5 in the " WORTH" category, (4) Student worksheets got an average score of 30.25 with the " WORTH" category, and (5) the assessment got an average score of 23.75 with the category "WORTH".*

**Keywords:** *problem based learning devices, science*