

ABSTRAK

**PENGEMBANGAN MEDIA PEMBELAJARAN BUKU SAKU IPA
MATERI PERUBAHAN WUJUD BENDA UNTUK MELATIH LITERASI
SAINS SISWA SD KELAS IV**

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Penelitian ini dilatarbelakangi oleh penggunaan media pembelajaran yang belum sepenuhnya menunjukkan aspek kompetensi literasi sains dan kurangnya kegiatan praktikum atau eksperimen dalam proses pembelajaran. Tujuan penelitian ini adalah untuk mengembangkan media buku saku IPA materi perubahan wujud benda untuk melatih kemampuan literasi sains siswa SD kelas IV dan menganalisis kualitas media buku saku IPA menurut ahli dan guru kelas.

Metode yang digunakan adalah penelitian dan pengembangan (R&D) tipe ADDIE. Penelitian ini melibatkan empat validator produk sebagai *expert judgment* dan enam belas peserta didik kelas IV SD untuk melakukan uji coba. Objek penelitian ini adalah buku saku IPA materi perubahan wujud benda untuk melatih literasi sains. Teknik pengumpulan data dalam penelitian ini dengan wawancara, tes, dan kuesioner.

Hasil penelitian menunjukkan bahwa 1) buku saku IPA materi perubahan wujud benda dikembangkan dengan langkah ADDIE yaitu *Analyze, Design, Develop, Implement*, dan *Evaluate*. 2) kualitas buku saku IPA materi perubahan wujud benda telah divalidasi dengan perolehan skor rata-rata 3,21 dengan kategori “baik” sehingga layak diujicobakan setelah mendapat perbaikan. Hasil uji coba menunjukkan skor rata-rata tes literasi sains pada pretest sebesar 19,25 mengalami perubahan menjadi 25,5, sehingga terjadi peningkatan sebesar 25%. Dengan demikian, buku saku IPA materi perubahan wujud benda dapat diujicobakan secara lebih luas.

Kata kunci: Buku Saku IPA, Kompetensi Literasi Sains, Literasi Sains

ABSTRACT

DEVELOPMENT OF POCKET BOOK LEARNING MEDIA IPA MATERIAL CHANGES IN THE FORM OF OBJECTS TO TRAIN SCIENCE LITERACY OF GRADE IV ELEMENTARY STUDENTS

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This research is motivated by the use of learning media that has not fully demonstrated aspects of science literacy competence and the lack of practicum or experimental activities in the learning process. The purpose of this study was to develop science pocketbook media on the material of changes in the form of objects to train the science literacy skills of grade IV elementary school students and analyze the quality of science pocketbook media according to experts and classroom teachers.

The method used is ADDIE-type research and development (R&D). This research involved four product validators as expert judgment and sixteen grade IV elementary school students to conduct trials. The object of this research is a science pocket book on the material of changes in the form of objects to train science literacy. Data collection techniques in this study were interviews, tests, and questionnaires.

The results showed that 1) the science pocket book on the material of changes in the form of objects was developed with ADDIE steps, namely Analyze, Design, Develop, Implement, and Evaluate. 2) the quality of the science pocket book on the material of changes in the form of objects has been validated with an average score of 3.21 in the “good” category so that it is feasible to be tested after receiving improvements. The trial results showed that the average score of the science literacy test on the pretest of 19.25 changed to 25.5, resulting in an increase of 25%. Thus, the science pocket book on the material of changes in the form of objects can be tested more widely.

Keywords: *Science Pocket Book, Science Literacy Competency, Science Literacy*