

## ABSTRAK

**Surga Nikmawati M, 2024.** Pengembangan Bahan Ajar Elektronik Booklet (E-Booklet) Berorientasi Pemecahan Masalah Pada Mata Pelajaran IPA Kelas V di Sekolah Dasar. Dibimbing oleh Nurlina dan Ma'ruf.

Penelitian ini bertujuan untuk mengembangkan bahan ajar elektronik booklet (e-booklet) berorientasi pemecahan masalah pada pembelajaran IPA kelas V di sekolah dasar yang valid, praktis, dan efektif. Jenis penelitian yang digunakan dalam penelitian ini adalah penelitian pengembangan dengan menggunakan model ADDIE dengan tahapan Analisis, Desain, Pengembangan, Implementasi, dan Evaluasi. Subjek yang digunakan dalam penelitian ini adalah peserta didik kelas V dengan jumlah 25 orang peserta didik. Instrumen yang digunakan dalam penelitian ini adalah lembar angket validasi berupa perangkat penelitian yaitu materi/isi, media pembelajaran, kisi-kisi dan tes, observasi keterlaksanaan, RPP, kemudian lembar angket kepraktisan berupa angket respon guru dan angket respon peserta didik, dan lembar keefektifan berupa soal pilihan ganda *pretest-posttest*. Teknik analisis data untuk menguji validitas bahan ajar menggunakan uji Gregory, kepraktisan bahan ajar menggunakan tafsiran Arikunto, dan keefektifan bahan ajar menggunakan tafsiran Hake. Berdasarkan analisis data pengisian instrumen oleh uji ahli menunjukkan bahwa perangkat penelitian layak atau valid dengan tingkat validitas sebesar 1 yang berada pada kategori sangat tinggi. Pada tingkat kepraktisan berdasarkan hasil angket respon guru dan respon peserta didik menunjukkan bahwa bahan ajar elektronik booklet (e-booklet) berorientasi pemecahan masalah sangat praktis dengan perolehan hasil sebesar 96,7%. Pada tingkat keefektifan berdasarkan hasil *pretest-posttest* peserta didik menunjukkan bahwa bahan ajar elektronik booklet (e-booklet) berorientasi pemecahan masalah efektif dengan perolehan hasil sebesar 0,73 dengan kategori tinggi. Berdasarkan hasil analisis yang dilakukan maka dapat disimpulkan bahwa bahan ajar elektronik booklet (e-booklet) berorientasi pemecahan masalah pada pembelajaran IPA kelas V di sekolah dasar dinyatakan valid, praktis, dan efektif. Dengan demikian, temuan penelitian ini mendukung penggunaan bahan ajar elektronik booklet (e-booklet) berorientasi pemecahan masalah sebagai sumber belajar bagi peserta didik.

Kata Kunci: Bahan Ajar, E-Booklet, Pembelajaran IPA, Pemecahan Masalah.

## ABSTRACT

**Surga Nikmawati M, 2024.** Development of Problem-Solving Oriented Electronic Booklet (E-Booklet) Teaching Materials in Science Subjects for Grade V at Elementary School. Supervised by Nurlina and Ma'ruf.

This study aimed to develop a problem-solving oriented electronic booklet (e-booklet) as teaching material for Grade V science learning in elementary schools which valid, practical, and effective. The type of research used in this study was development research using the ADDIE model, which included the stages of Analysis, Design, Development, Implementation, and Evaluation. The subjects of this study were 25 Grade V students. The instruments used in this study included validation questionnaires covering research instruments such as content/material, learning media, grids, and tests, as well as observation sheets for implementation, lesson plans, and practicality questionnaires consisting of teacher and student response questionnaires. The effectiveness was measured using multiple-choice pre-test and post-test questions. The data analysis techniques used were Gregory's test for content validity, Arikunto's interpretation for practicality, and Hake's interpretation for effectiveness. Based on the data analysis of the instruments filled out by experts, the research instruments were deemed valid with a validity level of 1, which falls into the very high category. In terms of practicality, based on the teacher and student response questionnaires, the problem-solving oriented electronic booklet (e-booklet) teaching material was considered highly practical, with a score of 96.7%. In terms of effectiveness, the pre-test and post-test results of the students showed that the problem-solving oriented electronic booklet (e-booklet) teaching material was effective, with a gain score of 0.73, which was classified as high. Based on the analysis, it can be concluded that the problem-solving oriented electronic booklet (e-booklet) teaching material for Grade V science learning in elementary schools is valid, practical, and effective. Therefore, the findings of this study support the use of problem-solving oriented electronic booklet (e-booklet) as a learning resource for students.

**Keywords:** *Teaching Materials, E-Booklet, Science Learning, Problem Solving.*



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