

## ABSTRAK

**Miftania Latif Putri, 2023.** *Pengembangan Bahan Ajar E-book Berbasis Pendekatan Saintifik pada Mata Pelajaran IPA Kelas 3 SD.* Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan Universitas Esa Unggul Jakarta. Pembimbing: Dr. Harlinda Syofyan, S.Si., M.Pd.

Penelitian ini bertujuan untuk mengembangkan suatu bahan ajar, yaitu bahan ajar *e-book* berbasis pendekatan saintifik dalam pembelajaran IPA kelas 3 materi perubahan wujud benda. Penelitian ini merupakan jenis penelitian pengembangan (R&D) dengan susunan langkah tahap ADDIE (*analysis, design, development, implementation, dan evaluation*) dengan teknik pengambilan data berupa observasi, wawancara, dan angket. Subjek penelitian ini adalah siswa kelas 3 SDN Duren Sawit 15 Pagi. Sebelum pengambilan data kepada siswa, peneliti melakukan validasi produk kepada para ahli, yaitu ahli materi, ahli bahasa, dan ahli media. Peneliti memperoleh hasil persentase, yaitu ahli media 86,36%, ahli materi 89,00%, dan ahli bahasa 82,81%, yang dapat dikategorikan sangat baik. Kemudian produk diujikan kepada siswa dengan perolehan skor sebesar 91,97% dengan kategori sangat baik. Penelitian ini menggunakan uji validitas dan reliabilitas untuk soal *pretest* dan *posttest*. Hasil yang diperoleh berdasarkan uji validitas adalah 10 butir soal memiliki nilai  $r_{hitung} > r_{tabel}$  dinyatakan "Valid" dan 5 butir soal memiliki nilai  $r_{hitung} < r_{tabel}$  dinyatakan "Tidak Valid" dan tingkat reliabilitas soal *posttest*, diperoleh nilai  $KR-20$  sebesar  $0.845 > 0.7$ . Berdasarkan hal tersebut maka dapat disimpulkan bahwa data tersebut reliabel dan hasil perhitungan uji *N-gain* adalah nilai mean sebesar  $0.6780$  maka  $0.6780 \leq 0,7$  termasuk dalam kategori "Sedang" dengan nilai *N-gain score* minimum 0.50, maksimum 1,00, dan persentase tafsiran efektifitas 67,80% dengan kategori "Cukup efektif. Dapat dikatakan bahwa bahan ajar *e-book* berbasis pendekatan saintifik ini layak digunakan di dalam pembelajaran IPA kelas 3 SD pada materi perubahan wujud benda.

**Kata Kunci:** *E-book*, Pendekatan Saintifik, Pembelajaran IPA

## **ABSTRACT**

**Miftania Latif Putri**, 2023. *Development of E-book Teaching Materials Based on a Scientific Approach in Grade 3 Elementary Science Subjects*. Thesis. Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Esa Unggul University, Jakarta. Mentor : Dr. Harlinda Syofyan, S.Si., M.Pd.

*This study aims to develop a teaching material, namely an e-book teaching material based on a scientific approach in learning natural sciences for grade 3 on changes in the shape of objects. This research is a type of development research (R&D) with the ADDIE stage arrangement (analysis, design, development, implementation, and evaluation) with data collection techniques in the form of observation, interviews, and questionnaires. The subjects of this study were the 3rd grade students of SDN Duren Sawit 15 Pagi. Before collecting data on students, the researcher validated the product with experts, namely material experts, linguists, and media experts. The researchers obtained the percentage results, namely media experts 86.36%, material experts 89.00%, and linguists 82.81%, which can be classified as very good. Then the product was tested on students with a score of 91.97% in the very good category. This study uses validity and reliability tests for pretest and posttest questions. The results obtained based on the validity test were 10 items having a value of  $r_{count} > r_{table}$  declared "Valid" and 5 items having a value of  $r_{count} < r_{table}$  being declared "Invalid" and the reliability level of the posttest item, obtained a KR-20 value of  $0.845 > 0.7$ . Based on this, it can be concluded that the data is reliable and the results of calculating the N-gain test is a mean value of 0.6780, so  $0.6780 \leq 0.7$  is included in the "Medium" category with a minimum N-gain score of 0.50, a maximum of 1.00, and a percentage interpretation of the effectiveness of 67.80% with the category "Quite effective. It can be said that e-book teaching materials based on a scientific approach are suitable for use in learning science in grade 3 elementary school on material changes in the form of objects.*

**Keywords:** *E-book, Scientific Approach, Science Learning*