

ABSTRAK

PENGEMBANGAN MEDIA *E-BOOK* IPAS MATERI SISTEM PERNAPASAN MANUSIA UNTUK MENINGKATKAN HASIL BELAJAR SISWA KELAS V SD

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Perkembangan ilmu pengetahuan dan teknologi (IPTEK) menuntut pemanfaatan media pembelajaran yang inovatif dan dalam proses pembelajaran di sekolah dasar. Penelitian ini bertujuan untuk mengembangkan produk media *e-book* IPAS materi sistem pernapasan yang berkualitas dan efektif dalam meningkatkan hasil belajar siswa kelas V SD. Metode penelitian yang digunakan adalah R&D dengan tipe ADDIE. Langkah-langkah pengembangan media *e-book* mengacu pada 5 langkah ADDIE yaitu: (1) *Analyze*, melakukan wawancara kepada guru dan siswa. (2) *Design*, membuat kisi-kisi *e-book*. (3) *Development*, mengembangkan serta melakukan uji validasi produk. Produk *e-book* divalidasi oleh 4 validator: dosen ahli materi, dosen ahli IPA dan dua guru kelas V SD. (4) *Impelement*, Melakukan uji coba produk di kelas V SD Karitas Nandan (5) *Evaluate*, mengevaluasi hasil validasi dan hasil *pre- test post-test*. Hasil validasi produk mendapatkan skor 3,75 berkategori sangat baik dan layak diuji cobakan setelah revisi. Hasil *pre-test* dan *post-test* menunjukkan kenaikan dari 35% menjadi 67,5% dengan kenaikan sebesar 32,5%. Oleh karena itu, media *e-book* IPAS materi sistem pernapasan manusia dapat membantu siswa kelas V SD dalam meningkatkan hasil belajar siswa dan layak digunakan dalam pembelajaran.

Kata kunci: *E-book*, IPAS, Sistem Pernapasan Manusia, Hasil Belajar, Sekolah Dasar

ABSTRACT

DEVELOPMENT OF SCIENCE E-BOOK MEDIA ON THE HUMAN RESPIRATORY SYSTEM TO IMPROVE LEARNING OUTCOMES OF GRADE V ELEMENTARY SCHOOL STUDENTS

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The development of science and technology (IPTEK) demands the use of innovative learning media in the teaching and learning process in elementary schools. This study aims to develop a high-quality and effective IPAS e-book learning media on the topic of the respiratory system to improve the learning outcomes of fifth-grade elementary school students. The research method used was Research and Development (R&D) with the ADDIE model. The steps of e-book media development followed the five ADDIE stages: (1) Analyze, conducting interviews with teachers and students; (2) Design, creating an e-book blueprint; (3) Development, developing the product and conducting product validation tests. The e-book product was validated by four validators: a material expert lecturer, a science expert lecturer, and two fifth-grade elementary school teachers; (4) Implement, conducting a product trial in grade V of SD Karitas Nandan; and (5) Evaluate, evaluating the validation results and the pre-test and post-test results. The product validation results obtained a score of 3.75, categorized as very good and feasible to be tested after revision. The pre-test and post-test results showed an increase from 35% to 67.5%, with an improvement of 32.5%. Therefore, the IPAS e-book learning media on the human respiratory system can help fifth-grade elementary school students improve their learning outcomes and is suitable for use in learning activities.

Keywords: E-book, IPAS, Human Respiratory System, Learning Outcomes, Elementary School