

ABSTRAK

PENGEMBANGAN *E-BOOK* INTERAKTIF BERBASIS *EVERYDAY LIFE PHENOMENA* PADA MATERI ASAM BASA ARRHENIUS

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Salah satu inovasi untuk meningkatkan pemahaman konsep dan ketertarikan peserta didik pada pembelajaran kimia yaitu dengan menggunakan sumber belajar elektronik berupa buku digital (*e-book*). *E-book* interaktif melibatkan peserta didik secara aktif yang di dalamnya memuat gambar, video, percobaan virtual, serta kuis. Penelitian dan pengembangan ini bertujuan untuk mendeskripsikan validitas ahli, tanggapan guru, dan tanggapan siswa terhadap *e-book* interaktif berbasis *everyday life phenomena* pada materi asam basa Arrhenius. Desain penelitian ini yaitu *research and development* (R & D) oleh Borg and Gall. Hasil validasi ahli terhadap *e-book* yang dikembangkan diperoleh hasil rata-rata 77,50% pada aspek kesesuaian isi materi dengan kompetensi inti-kompetensi dasar (KI-KD), aspek konstruksi 76,25%, aspek keterbacaan 75%, dan aspek kemenarikan 78,33%. Semua aspek memiliki kriteria tinggi, sehingga dinyatakan bahwa *e-book* yang dikembangkan valid atau layak untuk digunakan. Hasil tanggapan guru diperoleh rata-rata 89,63% pada aspek kesesuaian isi materi dengan KI-KD, aspek keterbacaan 86,67%, dan aspek kemenarikan 85,84%. Hasil tanggapan siswa diperoleh rata-rata 84% pada aspek keterbacaan dan 86,28% pada aspek kemenarikan. Hasil tanggapan guru dan tanggapan siswa terhadap *e-book* yang dikembangkan memiliki kriteria tinggi pada semua aspek.

Kata Kunci: Asam basa, *e-book* interaktif, *everyday life phenomena*.

ABSTRACT

DEVELOPMENT OF AN INTERACTIVE E-BOOK BASED ON EVERYDAY LIFE PHENOMENA ON ARRHENIUS ACID BASE MATERIAL

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One innovation to increase students' understanding of concepts and interests is using electronic learning resources in digital books (e-books). Interactive e-books actively involve students and contain pictures, videos, virtual experiments, and quizzes. This research and development aims to describe the expert validity, teacher responses, and student responses to interactive e-books based on everyday life phenomena on Arrhenius acid-base material. This research method refers to the research and development (R & D) method by Borg and Gall. The expert validation of the e-book developed obtained an average result of 77.50% in the suitability of the material content with basic and core competencies (BC-CC), construction aspect 76.25%, readability aspect 75%, and attractiveness aspect 78.33%. The results of teacher responses obtained an average of 89.63% in the suitability of the material content with BC-CC, the readability aspect was 86.67%, and the attractiveness aspect was 85.84%. The results of student responses obtained an average of 84% in the readability aspect and 86.28% in the attractiveness aspect. The results of expert validation, teacher responses, and student responses to the e-books developed have high criteria in all aspects. The research results stated that the e-book developed was valid for use.

Keywords: Acid base, everyday life phenomena, interactive e-book.