

ABSTRAK

Ade Suseno Sihotang, Nim. 4203141017 (2024). Pengembangan *E-Booklet* Berbasis Lingkungan sebagai Media Belajar Siswa Materi Ekosistem di Kelas X SMA.

Penelitian ini bertujuan untuk mengembangkan bahan ajar berupa *e-Booklet* berbasis lingkungan sebagai media belajar siswa materi ekosistem. *E-Booklet* yang sudah dikembangkan diujicobakan di sekolah SMA Swasta Parulian 6 Balna pada bulan Mei-Juni 2024. Penelitian ini menggunakan metode ADDIE yang terdiri dari lima tahapan yaitu *analyze*, *design*, *development*, *implement*, dan *evaluate*. *E-Booklet* yang sudah dikembangkan diuji kelayakannya oleh ahli materi dan ahli media (masing-masing satu orang) serta diuji kemenarikan oleh dua orang guru biologi SMA Swasta Parulian 6 Balna. *E-Booklet* yang telah direvisi diimplentasikan di sekolah dengan sampel 35 siswa. Instrumen yang dipakai yaitu instrumen kelayakan penilai ahli materi dan media, lembar respon guru, lembar respon siswa dan soal tes untuk melihat keefektivan *e-Booklet*. Hasil dari penelitian ini menunjukkan *e-Booklet* yang dikembangkan memperoleh katategori “Sangat Layak” menurut ahli materi (81,66%) dan ahli media (93,1%), berdasarkan penilaian guru biologi dikategorikan “Sangat Menarik” (87,43%), respon siswa dikategorikan “Sangat Menarik” dimana dalam uji coba skala kecil (88.85%), sedangkan uji coba skala besar (97.07%). *E-Booklet* berbasis lingkungan sebagai media belajar siswa materi ekosistem dinyatakan efektif digunakan dalam proses pembelajaran di kelas X₂ SMA Swasta Parulian 6 Balna dikategorikan sedang (N-gain = 0,65).

Kata Kunci:
E-Booklet,
Lingkungan,
Ekosistem

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ABSTRACT

Ade Suseno Sihotang, NIM. 4203141017 (2024). Development of Environmentally Based E-Booklets as a Student Learning Media for Ecosystem Materials in Class X High School

This study aims to develop teaching materials in the form of environment-based e-Booklets as a medium for student learning about ecosystem material. The e-Booklet that has been developed was tested at the Parulian 6 Balna Private High School in May - June 2024. This research uses the ADDIE method which consists of five stages, namely analyze, design, develop, implement and evaluate. The e-Booklet that has been developed was tested for suitability by material experts and media experts (one each) and tested for attractiveness by two biology teachers at Parulian 6 Balna Private High School. The revised e-Booklet was implemented in schools with a sample of 35 students. The instruments used were material and media expert assessor feasibility instruments, teacher response sheets, student response sheets and test questions to see the effectiveness of the e-Booklet. The results of this research show that the e-Booklet developed received a very appropriate category according to material experts (81.66%) and media experts (93.1%), based on the biology teacher's assessment it was categorized as very interesting (87.43%), student responses were categorized as very interesting, in small scale trials (88.85%), while in large scale trials (97.07%). Environment-based e-booklets as a student learning medium for ecosystem material were declared effective in the learning process in class X-2 of Parulian 6 Balna Private High School, categorized as medium ($N\text{-gain} = 0.65$).

Keywords:

Electronic Booklet,
Environment,
Ecosystem

