

Syeren 'Indana Lazulfa. 2025. *Pengembangan E-Booklet Interaktif untuk Meningkatkan Keterampilan Proses Sains Materi Ekologi dan Keanekaragaman Hayati*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Aditya Rakhmawan.

ABSTRAK

Pengembangan *e-booklet* interaktif pada penelitian ini bertujuan untuk mengetahui kelayakan, keterbacaan, respon, serta peningkatan keterampilan proses sains (KPS dasar) pada peserta didik setelah diterapkan media ini. Model pengembangan dalam penelitian ini menggunakan ADDIE dengan 5 tahapan yakni analisis (*Analyze*), desain (*Design*), pengembangan (*Development*), implementasi (*Implementation*), serta evaluasi (*Evaluate*). Subjek pada penelitian ini yakni sebanyak 28 peserta didik kelas VII-F SMP Muhammadiyah 15 Surabaya. instrumen penelitian yang digunakan yakni angket validasi, angket keterbacaan siswa, angket respon siswa, serta tes KPS. Berdasarkan hasil penelitian didapatkan skor rata-rata kelayakan media sebesar 99% dengan kriteria sangat valid, dan skor rata-rata kelayakan materi pada media sebesar 96% dengan kriteria sangat valid. Hasil rata-rata keterbacaan siswa sebesar 88,79% dengan kriteria sangat tinggi. Hasil rata-rata respon siswa sebesar 89,48% dengan kriteria sangat tinggi. Hasil rata-rata nilai skor N-Gain sebesar 0.59 dengan kategori sedang. Hal ini menunjukkan *e-booklet* interaktif pada penelitian ini dapat meningkatkan KPS dasar siswa.

Kata Kunci: *E-booklet*, Ekologi dan Keanekaragaman Hayati, Keterampilan Proses Sains

Syeren 'Indana Lazulfa. 2025. *Development of an Interactive E-Booklet to Improve Science Process Skills in Ecology and Biodiversity Topics*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University Madura. Advisor: Aditya Rakhmawan.

ABSTRACT

The development of an interactive e-booklet in this study aims to determine the feasibility, readability, student responses, and the improvement of students' basic science process skills (KPS) after the implementation of this media. The development model in this study uses ADDIE with five stages: analysis (Analyze), design (Design), development (Development), implementation (Implementation), and evaluation (Evaluate). The subjects of this study consisted of 28 seventh-grade students (class VII-F) from SMP Muhammadiyah 15 Surabaya. The research instruments used include validation questionnaires, student readability questionnaires, student response questionnaires, and KPS tests. Based on the research results, the average media feasibility score was 99%, classified as highly valid, and the average material feasibility score was 96%, also classified as highly valid. The average student readability score was 88.79%, categorized as very high. The average student response score was 89.48%, also categorized as very high. The average N-Gain score was 0.59, classified as moderate. This indicates that the interactive e-booklet in this study can improve students' basic science process skills (KPS).

Keywords: *E-booklet, Ecology and Biodiversity, Science Process Skills*