

Ahmad Zulfi. 2025. *Pengembangan E-magazine Konteks Mangrove Sepulu pada Materi Ekologi dan Keanekaragaman Hayati Indonesia untuk Meningkatkan Kemampuan Literasi Sains*. Skripsi. Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Yamin.

ABSTRAK

E-magazine konteks mangrove Sepulu merupakan inovasi media pembelajaran berbasis elektronik yang menunjang pembelajaran menjadi lebih interaktif dan efektif. Penelitian ini merupakan penelitian *Research & Development* (R&D) dengan model ADDIE (*Analyze, Design, Development, Implementation, and Evaluation*). Tujuan dilakukan penelitian ini adalah untuk mengetahui kevalidan, keterbacaan, respons siswa dan peningkatan literasi sains siswa terhadap *E-magazine* konteks mangrove Sepulu yang dikembangkan. Penelitian dilakukan di SMPN 3 Kamal pada Semester Genap Tahun Ajaran 2024/2025. Subjek penelitian pada uji coba perorangan yaitu 4 siswa kelas VIII-D, uji kelompok kecil 12 siswa kelas VIII-D, dan implementasi sebanyak 24 siswa kelas VII-C. Hasil penelitian menunjukkan bahwa (1) Hasil validasi ahli media *e-magazine* adalah 83,33% dengan kategori dan validasi ahli materi sebesar 94,44% dengan kategori sangat valid, (2) keterbacaan *e-magazine* konteks mangrove Sepulu mendapat persentase 94,68% kategori sangat baik, (3) respon siswa terhadap *e-magazine* konteks mangrove Sepulu mendapat persentase sebesar 96,96% dengan kategori sangat baik, (4) kemampuan literasi sains siswa mengalami peningkatan dengan nilai N-Gain 0,66 dengan kategori sedang. Simpulan pada penelitian ini yaitu *e-magazine* konteks mangrove Sepulu valid untuk digunakan, memiliki keterbacaan dan respons siswa yang sangat baik serta dapat meningkatkan kemampuan literasi sains siswa.

Kata Kunci: Ekologi dan Keanekaragaman Hayati Indonesia, *E-magazine*, Literasi Sains, Mangrove Sepulu.

Ahmad Zulfy. 2025. *Development of E-magazine Mangrove Sepulu Context on Ecology and Biodiversity Material of Indonesia to Improve Science Literacy Skills*. Thesis. Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University of Madura. Advisor: Yamin.

ABSTRACT

The Sepulu mangrove context e-magazine is an innovation of electronic-based learning media that supports learning to be more interactive and effective. This research is a Research & Development (R&D) study with the ADDIE model (Analyze, Design, Development, Implementation, and Evaluation). The purpose of this study was to determine the validity, readability, student responses and improvement of students' scientific literacy towards the Sepulu mangrove context e-magazine that was developed. The research was conducted at SMPN 3 Kamal in the Even Semester of the 2024/2025 Academic Year. The research sample for individual trials was 4 students from class VIII-D, small group trials were 12 students from class VIII-D, and implementation was 24 students from class VII-C. The results of the study showed that (1) The results of the validation of e-magazine media experts were 83.33% with the category and validation of material experts was 94.44% with the very valid category, (2) the readability of the Sepulu mangrove context e-magazine got a percentage of 94.68% in the very good category, (3) students' responses to the Sepulu mangrove context e-magazine got a percentage of 96.96% with the very good category, (4) students' scientific literacy skills increased with an N-Gain value of 0.66 with a medium category. The conclusion of this study is that the Sepulu mangrove context e-magazine is valid for use, has very good readability and student response and can improve students' scientific literacy skills.

Keywords: *Ecology and Biodiversity of Indonesia, E-magazine, Science Literacy, Sepulu Mangrove.*