

Silvi Eka Pratiwi. 2025. *Pengembangan E-module Konteks Mangrove TMC pada Materi Klasifikasi Makhluk Hidup untuk Meningkatkan Literasi Sains*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Yamin.

ABSTRAK

E-module konteks mangrove TMC merupakan inovasi bahan ajar yang berbentuk elektronik guna menunjang proses pembelajaran yang efektif. Penelitian ini merupakan penelitian R&D (*Research and Development*) dengan model ADDIE (*Analyze, Design, Development, Implementation, and Evaluation*). Penelitian bertujuan untuk mengetahui kevalidan produk, keterbacaan, respons siswa dan peningkatan literasi sains aspek kompetensi. Penelitian dilakukan di SMP Kanzul Ulum Burneh dengan subjek penelitian kelas VII dan VIII tahun ajaran 2024/2025. Uji coba perorangan sebanyak 3 siswa kelas VIII, uji coba kelompok kecil 10 siswa kelas VIII, dan implementasi 36 siswa kelas VII. Hasil penelitian menunjukkan bahwa (1) *e-module* yang dikembangkan mendapat hasil validasi ahli materi sebesar 97,73% dengan kategori sangat valid dan hasil validasi ahli media sebesar 95,45% dengan kategori sangat valid, (2) keterbacaan *e-module* mendapatkan skor 94,27% dengan kategori sangat baik, (3) respons siswa terhadap *e-module* mendapatkan skor 96,03% dengan kategori sangat baik, (4) kemampuan literasi sains siswa meningkat dengan skor N-Gain 0,43 kategori sedang. Simpulan pada penelitian ini yaitu *e-module* konteks mangrove TMC valid digunakan untuk pembelajaran, *e-module* terbaca dengan sangat baik oleh siswa, mendapatkan respons sangat baik dari siswa saat digunakan dalam proses pembelajaran dan dapat meningkatkan literasi sains siswa aspek kompetensi pada materi klasifikasi makhluk hidup.

Kata kunci: *e-module*, klasifikasi makhluk hidup, literasi sains, mangrove TMC

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ABSTRACT

E-module mangrove TMC context is an innovation of electronic teaching materials to support an effective learning process. This research is an R&D research (Research and Development) with the ADDIE model (Analyze, Design, Development, Implementation, and Evaluation). The study aims to determine the validity of the product, readability, student responses and improvement of scientific literacy in terms of competency aspects. The study was conducted at SMP Kanzul Ulum Burneh with a research subject of grades VII and VIII in the 2024/2025 academic year. Individual trials of 3 students of class VIII, small group trials of 10 students of class VIII, and implementation of 36 students of class VII. The results of the study showed that (1) e-module The results of the developed material expert validation were 97.73% with a very valid category and the results of the media expert validation were 95.45% with a very valid category, (2) readability e-module got a score of 94.27% with a very good category, (3) student response to e-module got a score of 96.03% with a very good category, (4) students' scientific literacy skills increased with an N-Gain score of 0.43 in the moderate category. The conclusion of this study is thate-module The TMC mangrove context is valid for use in learning, e-module very well read by students, received a very good response from students when used in the learning process and can improve students' scientific literacy in terms of competency in the material on the classification of living things.

Keywords: *e-module, classification of living things, science literacy, mangrove TMC*