

Sari Rahmania. 2026. *Pengembangan E-Booklet IPA Konteks Lokal Kampung Nelayan Kenjeran untuk Meningkatkan Literasi Sains Siswa SMP*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Yunin Hidayati.

## ABSTRAK

Rendahnya kemampuan literasi sains siswa serta kurang optimalnya penggunaan media pembelajaran berbasis konteks lokal menjadi salah satu kendala dalam pembelajaran IPA. Penelitian ini bertujuan untuk mengetahui tingkat kevalidan *e-booklet* IPA berbasis konteks lokal Kampung Nelayan Kenjeran Surabaya, peningkatan kemampuan literasi sains siswa, tingkat keterbacaan media, serta respons siswa terhadap penggunaan *e-booklet* pada materi ekologi dan keanekaragaman hayati Indonesia. Penelitian ini merupakan penelitian Research and Development (R&D) dengan model pengembangan ADDIE yang meliputi tahap analisis, desain, pengembangan, implementasi, dan evaluasi. Penelitian dilaksanakan di SMP Negeri 14 Surabaya dengan teknik pengumpulan data berupa tes literasi sains dan angket respons siswa. Hasil penelitian menunjukkan bahwa *e-booklet* yang dikembangkan memperoleh validasi ahli media sebesar 92,71% dan ahli materi sebesar 89,58% dengan kategori sangat valid. Peningkatan kemampuan literasi sains siswa ditunjukkan melalui nilai N-gain sebesar 0,51 dengan kategori sedang. Selain itu, media memiliki tingkat keterbacaan yang sangat baik yaitu sebesar 84,91% dan memperoleh respons siswa sebesar 83,13% dengan kategori sangat positif. Dengan demikian, *e-booklet* IPA berbasis konteks lokal Kampung Nelayan Kenjeran dinyatakan layak digunakan sebagai media pembelajaran untuk mendukung peningkatan literasi sains siswa pada materi ekologi dan keanekaragaman hayati Indonesia.

**Kata kunci:** media pembelajaran, ADDIE, ekologi, keanekaragaman hayati, pembelajaran IPA.

Sari Rahmania. 2026. *Development of Local Context Science E-Booklet of Kenjeran Fisherman Village to Improve Science Literacy of Junior High School Students*. Thesis, Study Program of Science Education, Faculty of Teacher Training and Education, Trunodjoyo Madura University. Supervisor: Yunin Hidayati.

## ABSTRACT

*Low scientific literacy skills among students and the less optimal use of learning media based on local contexts are among the obstacles in science learning. This study aimed to determine the validity level of a science e-booklet based on the local context of Kampung Nelayan Kenjeran Surabaya, the improvement of students' scientific literacy skills, the readability level of the media, and students' responses to the use of the e-booklet on ecology and Indonesian biodiversity materials. This study employed a Research and Development (R&D) method using the ADDIE development model, which includes the stages of analysis, design, development, implementation, and evaluation. The research was conducted at SMP Negeri 14 Surabaya, and the data were collected through scientific literacy tests and student response questionnaires. The results showed that the developed e-booklet obtained a media expert validation score of 92,71% and a material expert validation score of 89.58%, both categorized as very valid. The improvement in students' scientific literacy skills was indicated by an N-gain score of 0,51, which was categorized as moderate. In addition, the media had a very good readability level of 84,91% and received student responses of 83,13% with a very positive category. Therefore, the science e-booklet based on the local context of Kampung Nelayan Kenjeran was declared feasible to be used as a learning medium to support the improvement of students' scientific literacy skills on ecology and Indonesian biodiversity materials.*

**Keywords:** *learning media, ADDIE, ecology, biodiversity, science learning.*