

Nur Aini Dwi Saputri. 2026. *Pengembangan E-Comic Konteks Pantai Camplong untuk Meningkatkan Literasi Sains Materi Ekologi dan Keanekaragaman Hayati*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Ana Yuniasti Retno Wulandari.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kevalidan, keterbacaan, respons, dan peningkatan literasi sains siswa setelah penggunaan *e-comic* konteks Pantai Camplong materi ekologi dan keanekaragaman hayati. Penelitian ini merupakan penelitian R&D menggunakan model ADDIE dengan 5 tahapan yaitu *analyze, design, development, implementation, dan evaluation*. Tahapan implementasi menggunakan desain penelitian *One Group Pretest-Posttest*. Instrumen penelitian menggunakan lembar validasi ahli media, lembar validasi ahli materi, angket keterbacaan, angket respons, dan tes literasi sains. Subjek penelitian sebanyak 3 siswa uji perorangan, 10 siswa uji kelompok kecil, dan 32 siswa tahap implementasi. Hasil menunjukkan bahwa: (1) Rata-rata validitas ahli media 93,75% kriteria sangat valid dan validitas ahli materi 92,50% kriteria sangat valid, (2) Rata-rata angket keterbacaan pada uji perorangan 86,81% kriteria sangat baik, uji kelompok kecil 87,50% kriteria sangat baik, dan tahap implementasi 90,49% kriteria sangat baik; (3) Rata-rata angket respons pada uji perorangan 89,35% kriteria sangat baik, uji kelompok kecil 88,61% kriteria sangat baik, dan tahap implementasi 90,84% kriteria sangat baik, (4) Hasil *N-Gain* rata-rata sebesar 0,52 kriteria sedang. Berdasarkan hasil yang diperoleh menunjukkan bahwa *e-comic* konteks Pantai Camplong dapat digunakan dalam pembelajaran untuk meningkatkan literasi sains karena memiliki validitas sangat valid, keterbacaan sangat baik, dan respons yang sangat baik dari siswa.

Kata kunci: *e-comic*, ekologi dan keanekaragaman hayati, literasi sains, pantai camplong

Nur Aini Dwi Saputri. 2026. Development of Camplong Beach Context E-Comic to Improve Science Literacy of Ecological and Biodiversity Materials. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University of Madura. Supervisor: Ana Yuniasti Retno Wulandari.

ABSTRACT

This study aims to determine the validity, readability, response, and improvement of students' science literacy after the use of e-comic in the context of Camplong Beach ecological and biodiversity materials. This research is an R&D research using the ADDIE model with 5 stages, namely analyze, design, development, implementation, and evaluation. The implementation stage uses a One Group Pretest-Posttest research design. The research instrument uses media expert validation sheets, material expert validation sheets, readability questionnaires, response questionnaires, and science literacy tests. The research subjects were 3 individual test students, 10 small group test students, and 32 implementation stage students. The results showed that: (1) The average validity of media experts of 93.75% of the criteria was very valid and the validity of the material experts was 92.50% of the criteria were very valid, (2) The average readability questionnaire in the individual test was 86.81% of the criteria was very good, the small group test was 87.50% of the criteria was very good, and the implementation stage of 90.49% of the criteria was very good; (3) The average response questionnaire in the individual test was 89.35% of the criteria were very good, the small group test was 88.61% of the criteria was very good, and the implementation stage was 90.84% of the criteria were very good, (4) The average N-Gain result was 0.52 medium criteria. Based on the results obtained, it shows that the Camplong Beach context e-comic can be used in learning to improve science literacy because it has very valid validity, excellent readability, and excellent response from students.

Keywords: *e-comic, ecology and biodiversity, science literacy, camplong beach*