

Oci Amelia 2026. Pengembangan *E-Comic* Terintegrasi *Science Identity* Pada Materi Struktur Bumi Dan Perkembangannya Untuk Meningkatkan Literasi Sains. Skripsi. Program Studi Pendidikan IPA, Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Yamin

ABSTRAK

Penelitian ini mengembangkan *e-comic* terintegrasi *science identity* bernama *E-COMSA* (*Electronic Comic* Sains Anak) pada materi struktur Bumi dan perkembangannya untuk meningkatkan literasi sains siswa. Media ini dibuat menggunakan Canva dan *Heyzine Flipbook* serta dikembangkan melalui model *ADDIE* yang terdiri atas *tahap Analyze, Design, Development, Implementation, dan Evaluation*. Subjek penelitian meliputi 3 siswa pada uji perorangan, 10 siswa pada uji kelompok kecil, dan 24 siswa pada uji kelompok besar. Data dikumpulkan melalui wawancara, lembar validasi ahli, angket keterbacaan, angket respon siswa, dan tes literasi sains. Hasil penelitian menunjukkan bahwa validitas media dan materi mencapai 97% dengan kategori sangat valid. Skor keterbacaan memperoleh 94% pada uji perorangan, 84% pada uji kelompok kecil, dan 88% pada uji kelompok besar dengan kategori sangat baik. Respon siswa terhadap media memperoleh skor berturut-turut 94%, 88%, dan 85% yang juga termasuk kategori sangat baik. Selain itu, kemampuan literasi sains siswa mengalami peningkatan dengan nilai *N-gain* sebesar 0,5 dalam kategori sedang. Oleh karena itu, *E-comic* yang dikembangkan dinyatakan sangat valid dan berpotensi efektif dalam meningkatkan kemampuan literasi sains siswa.

Kata Kunci: *E-Comic, Science Identity, Literasi Sains.*

Oci Amelia 2026. Development of an Integrated Science Identity E-Comic on the Earth's Structure and Development to Improve Science Literacy. Thesis. Science Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University, Madura. Advisor: Yamin

ABSTRACT

The study developed a science identity-integrated e-comic named E-COMSA (Electronic Comic Sains Anak) on the topic of Earth's structure and its development to improve students' scientific literacy. The media was created by Canva and Heyzine Flipbook and developed through the ADDIE model, consisting of Analyze, Design, Development, Implementation, and Evaluation stages. The study involved 3 students in the individual trial, 10 students in the small-group trial, and 24 students in the large-group trial. Collecting data through of interviews, expert validation sheets, readability questionnaires, student response questionnaires, and scientific literacy tests. The results indicated that the media and material validity reached 97%, categorized as very valid. The readability scores obtained were 94% in the individual trial, 84% in the small-group trial, and 88% in the large-group trial, all categorized as very good. Students' responses toward the media reached 94%, 88%, and 85%, respectively, also categorized as very good. Furthermore, students' scientific literacy skills improved with an N-gain score of 0.5, categorized as moderate. Therefore, the developed e-comic is highly valid and effectively to improve students' scientific literacy skills.

Keywords: *E-Comic, Science Identity, Science Literacy.*