

Nanda Ferryna Kharrismanti. 2026. *Pengembangan E-booklet Konteks Kue Lumpur Bakar Pada Materi Unsur, Senyawa, dan Campuran Untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing 1: Dr. Yamin, S.Pd.I., M.Pd.

ABSTRAK

Penelitian ini merupakan jenis penelitian *RnD* dengan model pengembangan ADDIE. Pengembangan ini bertujuan untuk mengetahui tingkat kevalidan, keterbacaan, respons, dan peningkatan literasi sains setelah diberikan *e-booklet* konteks kue lumpur bakar pada materi unsur, senyawa, dan campuran. Pengumpulan data diperoleh melalui wawancara, angket, dan tes. Penelitian ini bertempat di SMPN 2 Krian, Tahun Ajaran 2025/2026, dikelas VIII-D untuk uji coba kelompok besar, dan kelas IX-I untuk uji coba perorangan serta kelompok kecil. Adapun hasil penelitian yang diperoleh yaitu: 1) *E-booklet* memperoleh hasil validasi ahli media sebesar 98,86%, validasi ahli materi sebesar 100%. Kedua validasi tersebut tergolong kriteria sangat valid sehingga *e-booklet* layak digunakan. 2) Keterbacaan pada *e-booklet* pada tahap implementasi diperoleh rata-rata sebesar 89,26% sehingga *e-booklet* memiliki tingkat keterbacaan sangat baik. 3) Respons siswa memperoleh hasil rata-rata sebesar 90,10% sehingga dapat dinyatakan respons siswa terhadap *e-booklet* sangat baik. 4) Hasil peningkatan literasi sains siswa yaitu sebesar 0,71 dengan kriteria “Tinggi”, rata-rata *pretest* sebesar 28,31, dan rata-rata *posttest* sebesar 79,29. Sehingga dapat dinyatakan bahwa *e-booklet* konteks kue lumpur bakar memperoleh hasil sangat valid, keterbacaan dan respons sangat baik, serta mampu meningkatkan literasi sains siswa.

Kata Kunci: *E-booklet*, Kue Lumpur Bakar, Literasi Sains, ADDIE

Nanda Ferryna Kharrismanti. 2026. *Development of E-booklet on Baked Mud Cake Context on Elements, Compounds, and Mixtures to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunodjoyo University, Madura. Supervisor 1: Dr. Yamin, S.Pd.I., M.Pd.

ABSTRACT

This research is a type of RnD research with the ADDIE development model. This development aims to determine the level of validity, readability, response, and improvement of scientific literacy after being given an e-booklet in the context of baked mud cake on the material of elements, compounds, and mixtures. Data collection was obtained through interviews, questionnaires, and tests. This research took place at SMPN 2 Krian, Academic Year 2025/2026, in class VIII-D for large group trials, and class IX-I for individual and small group trials. The results of the research obtained were: 1) The e-booklet obtained a media expert validation result of 98.86%, a material expert validation of 100%. Both validations are classified as very valid criteria so that the e-booklet is suitable for use. 2) The readability of the e-booklet at the implementation stage was obtained on average at 89.26% so that the e-booklet has a very good readability level. 3) The students' responses obtained an average result of 90.10% so that it can be stated that the students' response to the e-booklet was very good. 4) The results of the increase in students' scientific literacy were 0.71 with the criteria of "High", the average pretest was 28.31, and the average posttest was 79.29. So it can be stated that the e-booklet in the context of baked mud cake obtained very valid results, very good readability and response, and was able to improve students' scientific literacy.

Keywords: *E-booklet, Kue Lumpur Bakar, Scientific Literacy, ADDIE*