

Reynafi Arini Putri. 2026. *Pengembangan E-booklet Konteks Batik Surya Majapahit Mojokerto Untuk Meningkatkan Literasi Sains*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Mochammad Yasir

ABSTRAK

Penelitian ini bertujuan untuk mengetahui tingkat kevalidan *e-booklet* konteks batik Surya Majapahit, mengetahui keterbacaan peserta didik terhadap *e-booklet* konteks batik Surya Majapahit, mengetahui respons peserta didik terhadap *e-booklet* konteks batik Surya Majapahit, dan mengetahui peningkatan literasi sains peserta didik setelah mempelajari *e-booklet* konteks batik Surya Majapahit. Penelitian ini merupakan penelitian (R&D) *Research and Development* dengan menggunakan model pengembangan ADDIE. Model ADDIE terdiri dari 5 tahapan yaitu analisis, desain, pengembangan, implementasi, dan evaluasi. Penelitian ini bertempat di SMP Negeri 1 Kemlagi Mojokerto dengan subjek penelitian peserta didik kelas VIII-G. Sampel diambil menggunakan teknik *purposive sampling*. Data dikumpulkan melalui validasi ahli media, ahli materi, keterbacaan peserta didik, respon peserta didik, dan tes literasi sains. Hasil penelitian menunjukkan 1) validasi ahli media sebesar 94,03 % dengan kriteria sangat valid dan ahli materi sebesar 93,06 % dengan kriteria sangat valid. 2) Keterbacaan peserta didik menunjukkan nilai sebesar 86,69 % dengan kategori sangat baik. 3) Respons peserta didik terhadap *e-booklet* 87,43 % sebesar dengan kategori sangat baik. 4) Literasi sains peserta didik mengalami peningkatan nilai *n-gain* sebesar 0,56 dengan kriteria sedang. Dengan demikian *e-booklet* konteks batik Surya Majapahit dapat digunakan pada pembelajaran IPA.

Kata Kunci: ADDIE, Batik Surya Majapahit, *E-booklet*, Literasi Sains, R&D

Reynafi Arini Putri. 2026. *Development of an e-booklet on the context of Mojokerto's Surya Majapahit Batik to improve science literacy*. Thesis, Science Education Program, Faculty of Teacher Education and Educational Sciences, Trunodjoyo University of Madura. Advisor: Mochammad Yasir

ABSTRACT

The aim of this study is to determine the validity of the e-booklet on the context of batik Surya Majapahit, to understand the readability of the e-booklet for students, to understand the students' response to the e-booklet, and to understand the increase in students' science literacy after studying the e-booklet. This study is a Research and Development (R&D) study using the ADDIE development model. The ADDIE model consists of five stages: analysis, design, development, implementation, and evaluation. The study was conducted at SMP Negeri 1 Kemlagi Mojokerto, with the participants being students in Year 8. Samples were taken using the purposive sampling technique. Data was collected through media and content expert validation, readability, student responses, and a science literacy test. The results of the study showed that: 1) the media expert validation was 94.03% with a very valid criterion, and the subject matter expert validation was 93.06% with a very valid criterion. 2) The legibility of the students showed a value of 86.69% in the very good category. 3) The students' response to the e-booklet was 87.43%, which is very good. 4) The students' science literacy showed an n-gain of 0.56, which is classified as moderate. Therefore, the e-booklet on the context of batik Surya Majapahit can be used in science lessons.

Keywords: ADDIE, R&D, *E-booklet*, Science Literacy, Surya Majapahit Batik