

Endang Sulastri, 2025. Pengembangan *Booklet* dengan Kontek Motif Batik Klampar Pamekasan Terintegrasi AR untuk Meningkatkan Literasi Sains Siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Ana Yuniasti Retno Wulandari

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kelayakan, keterbacaan, respons siswa, dan kemampuan literasi sains siswa terhadap *booklet* dengan konteks motif batik Klampar Pamekasan terintegrasi AR pada materi klasifikasi makhluk hidup. Penelitian ini merupakan penelitian R&D dengan model pengembangan ADDIE (*analyze, design, development, implementation, dan evaluation*). Uji produk dilaksanakan di SMP N 1 Larangan, Kecamatan Larangan, Kabupaten Pamekasan pada siswa kelas VII tahun ajaran 2025/2026. Subjek penelitian ini yaitu subjek uji *one to one* pada kelas VIII-4 berjumlah 3 siswa, uji kelompok kecil pada kelas VIII-4 yang berjumlah 8 siswa, dan uji implementasi pada kelas VII-1 dengan jumlah 29 siswa. Teknik pengumpulan data menggunakan angket validasi ahli materi, angket validasi ahli media, angket keterbacaan siswa, angket respons siswa, dan tes kemampuan literasi sains siswa. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) *Booklet* memperoleh skor KVG sebesar 1,00 kriteria sangat valid dan memperoleh skor reliabilitas sebesar 93,75% untuk materi dan 91,55% untuk media yang termasuk pada kriteria reliabel, (2) Hasil keterbacaan siswa terhadap *booklet* sebesar 94,67% dengan kategori sangat baik, (3) Hasil respons siswa terhadap *booklet* sebesar 95,33% dengan kategori sangat baik, (4) Peningkatkan literasi sains siswa setelah melaksanakan pembelajaran menggunakan *booklet* dengan konteks motif batik Klampar Pamekasan terintegrasi AR memperoleh *N-Gain score* 0,697 dengan kategori sedang. Hal tersebut menunjukkan bahwa *booklet* dengan konteks motif batik Klampar Pamekasan terintegrasi AR layak digunakan dalam pembelajaran dan mampu meningkatkan kemampuan literasi sains siswa.

Kata kunci: *booklet*, Klampar Pamekasan, literasi sains, motif batik

Endang Sulastri, 2025. *Development of a Booklet with the Context of AR Integrated Pamekasan Klampar Batik Patterns to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University Madura. Supervisor: Ana Yuniasti Retno Wulandari

ABSTRACT

This research aimed to determine the feasibility, readability, student response, and science literacy skills of students towards a booklet featuring Pamekasan's Klampar batik patterns integrated with AR on the topic of classifying living things. This research employed an R&D design using the ADDIE (analyze, design, development, implementation, and evaluation) development model. Product testing was conducted at SMP N 1 Larangan, Larangan Subdistrict, Pamekasan Regency, with seventh-grade students in the 2025/2026 academic year. The research subjects included a one-to-one test with 3 eighth-grade students from class VIII-4, a small group test with 8 eighth-grade students from class VIII-4, and an implementation test with 29 seventh-grade students from class VII-1. Data collection techniques included questionnaires for material expert validation, media expert validation, student readability, student response, and a science literacy skills test. Based on the research results, it can be concluded that: (1) The booklet obtained a Content Validity Value (CVV) score of 1.00, indicating very valid criteria, and achieved a reliability score of 93.75% for the material and 91.55% for the media, which fall within the reliable criteria. (2) The average student readability score for the booklet was 94.67%, categorized as very good. (3) The average student response score for the booklet was 95.33%, categorized as very good. (4) The improvement in students' science literacy after learning using the booklet featuring Pamekasan's Klampar batik pattern integrated with AR obtained an N-Gain score of 0.697, categorized as moderate. This indicates that the booklet with the context of Pamekasan's Klampar batik pattern integrated with AR is suitable for use in learning and is capable of improving students' science literacy skills.

Keywords: booklet, batik pattern, Klampar Pamekasan, science literacy