

Vita Dwi Darmawati. 2025. *Pengembangan Buku Saku IPA Terintegrasi Pembuatan Batik Tulis Madura untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pengetahuan, Universitas Trunojoyo Madura. Pembimbing: Ana Yuniasti Retno Wulandari.

ABSTRAK

Buku saku adalah media cetak berukuran kecil dan ringkas yang memuat informasi penting, inti dari suatu materi, dan latihan soal sehingga mudah dibawa dan digunakan kapan saja. Penelitian ini bertujuan untuk mengetahui kevalidan, respons siswa, keterbacaan siswa dan peningkatan literasi sains siswa setelah menggunakan buku saku IPA terintegrasi pembuatan batik tulis Madura. Materi yang diterapkan adalah materi unsur, senyawa, dan campuran untuk kelas VIII SMP/MTs. Penelitian ini merupakan jenis penelitian R&D dengan model pengembangan ADDIE. Instrumen penelitian yang digunakan adalah lembar validasi ahli materi, ahli media, angket respons siswa, angket keterbacaan dan tes literasi sains. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Rata-rata validitas ahli materi sebesar 90,22% kriteria sangat valid, rata-rata validitas ahli media sebesar 96,18% kriteria sangat valid, (2) Rata-rata hasil keterbacaan siswa terhadap buku saku IPA sebesar 88,53% kriteria sangat baik, (3) Rata-rata hasil respons siswa menggunakan buku saku IPA sebesar 88,31% kriteria sangat baik, (4) Rata-rata *N-Gain* hasil literasi sains siswa setelah menggunakan buku saku IPA memperoleh nilai 0,53 kriteria sedang. Hal tersebut menunjukkan bahan buku saku IPA terintegrasi pembuatan batik tulis Madura berbasis literasi sains layak digunakan dalam pembelajaran dan berpengaruh terhadap peningkatan literasi sains siswa pada materi unsur, senyawa, dan campuran.

Kata kunci: batik tulis Madura, buku saku IPA, literasi sains, materi unsur, senyawa, dan campuran

Vita Dwi Darmawati. 2025. Development of Science Pocketbook Integrated with Madurese Batik Making to Improve Students' Science Literacy. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo Madura University. Advisor: Ana Yuniasti Retno Wulandari.

ABSTRACT

Pocketbooks are small and concise printed media that contain important information, the core of a material, and practice questions so that they are easy to carry and use at any time. This study aims to determine the validity, student responses, student readability and improvement of students' scientific literacy after using integrated science pocketbooks to make Madurese batik. The material applied is the material of elements, compounds, and mixtures for class VIII SMP/MTs. This study is a type of R&D research with the ADDIE development model. The research instruments used are validation sheets of material experts, media experts, student response questionnaires, readability questionnaires and science literacy tests. Based on the results of the study, it can be concluded that: (1) The average validity of material experts is 90.22% very valid criteria, the average validity of media experts is 96.18% very valid criteria, (2) The average results of student readability of science pocketbooks are 88.69% very good criteria, (3) The average results of student responses using science pocketbooks are 88.40% very good criteria. (4) The average N-Gain of students' scientific literacy results after using the science pocketbook obtained a value of 0.53 in the medium criteria. This shows that the integrated science pocketbook material for making Madurese batik based on scientific literacy is suitable for use in learning and affects increasing students' scientific literacy in the material on elements, compounds, and mixtures.

Keywords: *Madurese batik, science pocketbook, science literacy, elements, compounds, and mixtures.*