

Naza Fanuril Ilmiyah. 2024. *Pengembangan E-Booklet IPA Berbasis Etnosains Tema Batik Tulis Korasi Giri Gresik untuk Meningkatkan Literasi Sains Peserta Didik*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Wiwin Puspita Hadi, S.Si., M.Pd

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kevalidan, tingkat keterbacaan, respon peserta didik, dan peningkatan literasi sains terhadap *e-booklet* IPA berbasis etnosains tema batik tulis korasi Giri Gresik. Materi yang digunakan pada *e-booklet* adalah unsur, senyawa, dan campuran. Penelitian ini menggunakan jenis penelitian R&D dengan model pengembangan ADDIE. Populasi pada penelitian ini yaitu siswa SMP Muhammadiyah 4 Kebomas tahun ajaran 2023/2024. Teknik pengambilan sampel pada penelitian ini yaitu *random sampling*. Subjek penelitian ini yaitu siswa kelas VIII-A yang berjumlah 15 peserta didik. Instrumen penelitian yang digunakan adalah lembar validasi ahli media dan ahli materi, angket keterbacaan *e-booklet*, angket respon peserta didik, dan tes kemampuan literasi sains. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) *E-Booklet* IPA berbasis etnosains tema batik tulis korasi Giri Gresik memperoleh nilai validitas 1 dengan kategori validitas sangat tinggi sebagai media pembelajaran IPA. (2) Keterbacaan *e-booklet* IPA berbasis etnosains tema batik tulis korasi Giri Gresik memperoleh nilai rata-rata 67,78% dengan kategori baik. (3) Respon peserta didik terhadap media *e-booklet* IPA berbasis etnosains tema batik tulis korasi Giri Gresik memperoleh nilai rata-rata 70,53% dengan kategori baik. (4) Peningkatan literasi sains peserta didik berdasarkan *N-gain score* sebesar 0,63 dengan kriteria sedang sehingga *e-booklet* IPA berbasis etnosains tema batik tulis korasi Giri Gresik dapat meningkatkan literasi sains peserta didik. Simpulan penelitian menunjukkan bahwa *e-booklet* IPA berbasis etnosains tema batik tulis korasi Giri Gresik yang dikembangkan sangat valid digunakan sebagai media pembelajaran IPA dan dapat meningkatkan kemampuan literasi sains peserta didik.

Kata kunci: *E-Booklet*, literasi sains, etnosains, batik tulis korasi

Naza Fanuril Ilmiyah. 2024. *Development of Science E-Booklet Based on Ethnoscience with Batik Tulis Korasi Giri Gresik Themed to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Education, Universitas Trunojoyo Madura. Advisor: Wiwin Puspita Hadi, S.Si., M.Pd

ABSTRACT

This study aims to determine the validity, readability level, student responses, and improvement of science literacy towards the ethnoscience-based science e-booklet with the Giri Gresik batik motif theme. The materials used in the e-booklet are elements, compounds, and mixtures. This study uses the R&D research type with the ADDIE development model. The population in this study were students of SMP Muhammadiyah 4 Kebomas in the 2023/2024 academic year. The sampling technique in this study was random sampling. The subjects of this study were 15 students in class VIII-A. The research instruments used were media expert and material expert validation sheets, e-booklet readability questionnaires, student response questionnaires, and science literacy ability tests. Based on the results of the study, it can be concluded that: (1) The ethnoscience-based science e-booklet with the Giri Gresik batik motif theme obtained a validity value of 1 with a very high validity category as a science learning medium. (2) The readability of the science e-booklet based on ethnoscience with the theme of Giri Gresik batik writing corasi obtained an average value of 67.78% with a good category. (3) The response of students to the science e-booklet media based on ethnoscience with the theme of Giri Gresik batik writing corasi obtained an average value of 70.53% with a good category. (4) The increase in students' science literacy based on the N-gain score was 0.63 with moderate criteria so that the science e-booklet based on ethnoscience with the theme of Giri Gresik batik writing corasi can improve students' science literacy. The conclusion of the study shows that the science e-booklet based on ethnoscience with the theme of Giri Gresik batik writing corasi that was developed is very valid for use as a science learning media and can improve students' science literacy skills.

Keywords: *E-Booklet, scientific literacy, ethnoscience, batik tulis korasi*