

Elisa Indah Mayang Sari. 2021. Pengembangan *Pocket book* Digital Berbasis Etnosains Sapi *Sonok* Madura untuk Meningkatkan Literasi Sains Siswa. Skripsi , Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Mochammad Yasir S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kevalidan, keterbacaan, respon siswa, dan peningkatan literasi sains siswa terhadap *pocket book* digital berbasis etnosains Sapi *Sonok* Madura. Materi yang digunakan pada bahan ajar yang dikembangkan adalah materi klasifikasi makhluk hidup. Penelitian ini merupakan jenis penelitian R&D dengan model pengembangan ADDIE. Subjek penelitian ini yaitu siswa kelas VII-G SMPN 5 Pamekasan yang berjumlah 26 siswa. Instrumen penelitian yang digunakan adalah lembar validasi ahli materi dan ahli media, tes literasi sains siswa, angket respon siswa, dan angket keterbacaan. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) *Pocket book* digital berbasis etnosains Sapi *Sonok* Madura memperoleh nilai persentase validitas dari ahli materi dan ahli media sebesar 89,06% dan 93,06% dengan kriteria sangat valid. (2) Aspek keterbacaan berdasarkan angket siswa memperoleh skor rata rata 90,82% dengan kategori sangat baik (3) Aspek respons berdasarkan angket siswa memperoleh skor rata rata 92,26% dengan kategori sangat baik (4) Peningkatan literasi sains siswa berdasarkan *N-gain score* sebesar 0,62 dengan kriteria sedang, sehingga *pocket book* digital berbasis etnosains Sapi *Sonok* Madura dapat meningkatkan literasi sains siswa. Simpulan penelitian menunjukkan bahwa *pocket book* digital berbasis etnosains Sapi *Sonok* Madura yang dihasilkan sangat valid digunakan sebagai bahan ajar IPA dan dapat meningkatkan literasi sains siswa.

Kata kunci: *Pocket book* Digital, Literasi sains siswa, Sapi *Sonok* Madura

Elisa Indah Mayang Sari. 2021. Development of Digital Pocket book Based on Madura Sonok Cattle Ethnoscience to Improve Students' Science Literacy. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor: Mochammad Yasir S.Pd., M.Pd.

ABSTRACT

This study aims to determine the validity, readability, student responses, and improvement of students' scientific literacy towards the digital pocket book based on Madura Sonok Cattle ethnoscience. The material used in the teaching materials developed is the material on the classification of living things. This study is a type of R&D research with the ADDIE development model. The subjects of this study were 26 students of class VII-G SMPN 5 Pamekasan. The research instruments used were validation sheets from material experts and media experts, student scientific literacy tests, student response questionnaires, and readability questionnaires. Based on the results of the study, it can be concluded that: (1) The digital pocket book based on Madura Sonok Cattle ethnoscience obtained a validity percentage value from material experts and media experts of 89.06% and 93.06% with very valid criteria. (2) The readability aspect based on the student questionnaire obtained an average score of 90.82% with a very good category (3) The response aspect based on the student questionnaire obtained an average score of 92.26% with a very good category (4) The increase in student science literacy based on the N-gain score was 0.62 with moderate criteria, so that the digital pocket book based on the ethnoscience of Madura Sonok Cattle can improve students' science literacy. The conclusion of the study shows that the digital pocket book based on the ethnoscience of Madura Sonok Cattle produced is very valid for use as a science teaching material and can improve students' science literacy.

Keywords: *Digital Pocket book, Students' scientific literacy, Madura Sonok Cow*