

Nadia Milla Nabila. 2023. *Pengembangan e-magazine Berbasis Flipbook Maker Tema Etnosains Pembuatan Arang Batok Kelapa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing Rahmad Fajar Sidiq.

ABSTRAK

Penelitian pengembangan ini bertujuan untuk menghasilkan *e-magazine* dan mengetahui kelayakan, respons siswa, dan keterbacaan siswa terhadap *e-magazine* berbasis *flipbook maker* tema etnosains arang batok kelapa. Jenis penelitian ini adalah penelitian pengembangan dengan menggunakan model pengembangan ADDIE. Populasi dalam penelitian ini adalah seluruh siswa kelas VII SMP Islam Baiturrahmah Sumenep dengan sampel kelas VII-B. Pengambilan sampel menggunakan teknik *purposive sampling*. Instrumen yang digunakan lembar validasi ahli bahan ajar, ahli materi, guru IPA, angket keterbacaan siswa dan respons siswa. Hasil penelitian menunjukkan bahan ajar *e-magazine* berbasis *flipbook maker* tema etnosains arang batok kelapa yang dikembangkan masuk dalam kriteria layak untuk digunakan, dilihat dari hasil validasi ahli bahan ajar sebesar 0,98%, validasi materi sebesar 0,8%, angket keterbacaan siswa sebesar 83,8%, dan respons siswa sebesar 84,7%. Hasil tersebut menunjukkan bahwa penggunaan *e-magazine* berbasis *flipbook maker* tema etnosains arang batok kelapa layak digunakan dalam pembelajaran oleh siswa SMP kelas VII.

Kata kunci: arang, *e-magazine*, etnosains, *flipbook*

Nadia Milla Nabila. 2023. Development of e-magazine based on Flipbook Maker on the Ethnoscience Theme of Coconut Shell Charcoal. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University Madura. Supervisor Rahmad Fajar Sidiq.

ABSTRACT

This development research aims to produce e-magazine and determine the feasibility, student response, and student readability of e-magazine based on flipbook maker ethnoscience theme of coconut shell charcoal. This type of research is development research using the ADDIE development model. The population in this study were all seventh grade students of SMP Islam Baiturrahmah Sumenep with a sample of class VII-B. sampling using purposive sampling technique. The instrument used is a validation sheet for teaching material experts, material experts, science teachers, student readability questionnaires and student responses. The results showed that the teaching material e-magazine based on flip book maker ethnoscience theme coconut shell charcoal developed was included in the criteria worthy of use, seen from the results of teaching material expert validation of 0.98%, material validation of 0.8%, student readability questionnaire of 83.8%, and student response of 84.7%. These results show that the use of e-magazine based on flip book maker on the theme of ethnoscience of coconut shell charcoal is suitable for use in learning by junior high school students in grade VII.

Keywords: charcoal, e-magazine, ethnoscience, flipbook