

Siti Alimah. 2024. *Pengembangan Booklet Berbasis Etnosains Bubur Sengkolo pada Materi Unsur, Senyawa, dan Campuran untuk Meningkatkan Literasi Sains Peserta Didik*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Aida Fikriyah.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kevalidan *booklet*, respons, keterbacaan, dan peningkatan kemampuan literasi sains peserta didik. Materi yang digunakan yaitu unsur, senyawa, dan campuran. Penelitian ini merupakan jenis penelitian R&D dengan model pengembangan ADDIE. Populasi dari penelitian ini adalah peserta didik kelas VIII dan IX SMP Negeri 1 Rengel dengan subjek 3 peserta didik kelas IX-E uji coba perorangan, 9 peserta didik kelas IX-E uji coba kelompok kecil, dan 28 peserta didik kelas VII-C untuk implementasi. Pengambilan sampel penelitian menggunakan teknik *purposive sampling*. Teknik analisis data menggunakan instrumen lembar validasi ahli media, ahli materi, angket respons, keterbacaan, dan tes literasi sains. Hasil penelitian menunjukkan bahwa: 1) Pengembangan *booklet* berbasis etnosains bubur *sengkolo* pada ahli materi memperoleh nilai 0,92 dengan kategori validitas sangat tinggi dan dari ahli media memperoleh nilai 1 dengan kategori validitas sangat tinggi; 2) Respons peserta didik terhadap *booklet* mendapatkan nilai rata-rata sebesar 82,17% dengan kategori sangat baik; 3) Keterbacaan *booklet* mendapatkan nilai rata-rata sebesar 80,28% dengan kategori sangat baik; 4) Literasi sains peserta didik meningkat sebesar 0,58 dengan kategori sedang. Kesimpulan penelitian ini yaitu pengembangan *booklet* berbasis etnosains bubur *sengkolo* efektif untuk meningkatkan literasi sains peserta didik.

Kata kunci: *Booklet*, bubur *sengkolo*, etnosains, dan literasi sains

Siti Alimah. 2024. Development of an Ethnoscience-Based *Booklet* of *Sengkolo* Porridge on Elements, Compounds and Mixtures to Improve Students' Scientific Literacy. Thesis, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor: Aida Fikriyah.

ABSTRACT

This research aims to determine the validity of the booklet, response, readability, and increase students' scientific literacy skills. The materials used are elements, compounds and mixtures. This research is a type of R&D research with the ADDIE development model. The population of this study were students in classes VIII and IX of SMP Negeri 1 Rengel with the subjects being 3 students in class IX-E for individual trials, 3 students in class IX-E for small group trials, and 28 students in class VII-C for implementation. The research sample was taken using a purposive sampling technique. The data analysis technique uses validation sheet instruments from media experts, material experts, response questionnaires, readability and scientific literacy tests. The results of the research show that: 1) Development of a booklet based on ethnoscience of sengkolo porridge from material experts received a score of 0.92 with a very high validity category and from media experts a score of 1 with a very high validity category; 2) Student responses to the booklet received an average score of 82.17% in the very good category; 3) The readability of the booklet received an average score of 80.28% in the very good category; 4) Students' scientific literacy increased by 0.58 in the medium category. The conclusion of this research is that the development of a booklet based on ethnoscience of sengkolo porridge is effective in increasing students' scientific literacy.

Keywords: *Booklet, sengkolo porridge, ethnoscience, and scientific literacy*