

Puteri Hidayatul Magfiroh. 2025. *Pengembangan Booklet Berbasis Etnosains pada Jajanan Jenang Ayas Untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Aditya Rakhmawan.

ABSTRAK

Tujuan penelitian ini yaitu untuk mengetahui kevalidan *booklet* berbasis etnosains pada jajanan jenang ayas, keterbacaan *booklet*, respons siswa mengenai *booklet* dan peningkatan literasi sains siswa. Jenis penelitian ini merupakan penelitian *Research & Development* (R&D), menggunakan model ADDIE yang mempunyai 5 tahap yaitu *analyze, design, develop, implement and evaluate*. Tahapan implementasi menggunakan desain penelitian *One Group Pretest-Posttest*. Pengambilan sampel penelitian menggunakan teknik *purposive sampling*. Subjek penelitian yaitu 34 siswa SMPN 31 Gresik yang terdiri dari 3 siswa untuk uji coba perorangan dari kelas IX-D, 9 siswa untuk uji coba kelompok kecil dari kelas IX-D dan 22 siswa kelas VIII-C untuk implementasi. Hasil penelitian menunjukkan bahwa: 1) *Booklet* berbasis etnosains pada jajanan jenang ayas memiliki kategori sangat valid berdasarkan kevalidan media sebesar 94,03% dan kevalidan materi sebesar 96,53%, 2) Keterbacaan *booklet* mendapatkan kategori sangat baik dengan nilai rata-rata yang didapatkan pada uji coba perorangan sebesar 83,33%, uji coba kelompok kecil sebesar 87,73%, dan implementasi sebesar 88,92%, 3) Respon siswa mendapatkan kategori sangat baik dengan nilai rata-rata yang didapatkan pada uji coba perorangan sebesar 82,64%, uji coba kelompok kecil sebesar 89,91% dan implementasi sebesar 88,45% 4) *Booklet* berbasis etnosains pada jajanan jenang ayas dapat meningkatkan literasi sains siswa yang ditunjukkan melalui hasil rata-rata *N-Gain* sebesar 0,69 yang termasuk kategori sedang. Kesimpulan penelitian ini yaitu *booklet* berbasis etnosains pada jajanan jenang ayas efektif untuk meningkatkan literasi sains siswa.

Kata kunci : *Booklet, Etnosains, Jajanan Jenang Ayas, Literasi Sains*

Puteri Hidayatul Magfiroh. 2025. *Development of Ethnoscience-Based Booklet on Jenang Ayas Snack to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor : Aditya Rakhmawan.

ABSTRACT

The purpose of this study was to determine the validity of the ethnoscience based booklet on jenang ayas snacks, the readability of the booklet, students responses to the booklet and the improvement of students scientific literacy. This type of research is Research & Development (R&D), using the ADDIE model which has 5 stages, namely analyze, design, development, implementation and evaluate. The implementation stage uses the One Group Pretest-Posttest research sample was taken using a purposive sampling technique. The subjects of the study were 34 students of SMPN 31 Gresik consisting of 3 students for individual trials from class IX-D, 9 students for small group for small group trials from class IX-D and 22 students from class VIII-C for implementation. The result of the study indicate that : 1) Etnoscience based booklet on jenang ayas snacks have a very valid category based on media validity of 94,03% and material validity of 96,53% 2) The readability of the booklet was categorized as very good with an average value obtained in individual trials of 83,33%, small group trials of 87,73%, and implementation of 88,92%, 3) The Students' responses were categorized as very good with an average value obtained in individual trials of 82,64%, small group trials of 89,91% and implementation of 88,45%, 4) Etnoscience based booklet on jenang ayas snacks can improve students scientific literacy as indicated by the average N-Gain result of 0,69 which is included in the moderate category. The conclusion of this study is that ethnoscience based booklet on jenang ayas snacks are effective in improving students scientific literacy.

Keywords : Booklet, Ethnoscience, Jenang Ayas Snacks, Science Literacy