

Siti Rofiatur Rizqy. 2023. *Pengembangan Majalah Berbasis Etnosains Konteks Olahan Salak Bangkalan pada Materi Zat Aditif*. Skripsi. Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing Mochammad Yasir.

ABSTRAK

Bahan ajar yang digunakan siswa masih minim mengintegrasikan contoh nyata dalam kehidupan siswa. Solusi yang dapat diberikan adalah dengan mengembangkan media majalah berbasis etnosains. Tujuan penelitian ini adalah untuk mengetahui kelayakan, keterbacaan, dan *respons* siswa terhadap media. Penelitian ini menggunakan model *ADDIE* yang terdiri dari *Analyze, Design, Development, Implementation, dan Evaluation*. Penelitian dilaksanakan di SMPN 4 Bangkalan. Subjek uji coba yang digunakan yaitu 1 siswa kelas VIII D sebagai uji perorangan, 8 siswa kelas VIII D sebagai uji kelompok kecil, dan 25 siswa kelas VIII H sebagai uji kelompok besar. Teknik pengumpulan data menggunakan angket validasi ahli materi, media, guru IPA SMP, keterbacaan siswa dan *respons* siswa. Berdasarkan hasil penelitian disimpulkan bahwa : (1) pengembangan media majalah berbasis etnosains pada materi zat aditif layak digunakan dengan persentase ahli materi validitas 92,19% dan reliabilitas 91,07%, ahli media memberikan penilaian dengan kategori layak digunakan dengan persentase validitas 96,88% dan reliabilitas 96,43%. (2) Keterbacaan siswa uji perorangan, uji kelompok kecil, uji kelompok besar memperoleh skor rata-rata berturut-turut 97,50%, 87,81%, 84,60% dengan kategori sangat baik. (3) *Respons* siswa uji perorangan, kelompok kecil, kelompok besar berturut-turut memperoleh skor rata-rata 92,86%, 86,38%, 85,93% dengan kategori sangat baik.

Kata Kunci: Bahan Ajar, Etnosains, Majalah

Siti Rofiatur Rizqy. 2023. *Development of Ethnoscience-Based Magazine in the context of Bangkalan snake fruit on Additive Materials*. Thesis. Science Education Program, Faculty of Education, University of Trunojoyo Madura. The Advisor is Mochammad Yasir.

ABSTRACT

The teaching materials used by students still minimally integrate real examples in students's lives. The solution that can be given is to develop an ethnoscience-based magazine media on the additive materials. The purpose of this development is to know the advisability, legibility, and responses of student to media. The research use the ADDIE model consisting of Analyze, Design, Development, Implementation, and Evaluation. The research was conducted in SMPN 4 Bangkalan. The trial subject used was 1 class VIII D student as an individual test, 8 class VIII D students as a small group test, 25 class VIII H students as a large group test. Data collection techniques using questionnaires are material experts validation, media experts validation questionnaires, science teacher validation, student readability, and student responses to the media. Based on the results of the study concluded that : (1) Development of ethnoscience-based magazine media on additive materials is sustainable for use with a percentage of material experts validity 92.19% and reliability 91.07%, media experts provide an assessment sustainable for use with a percentage validity 96.88% and reliability 96.43%. (2) Readability student individual test, small group test, and large group test to get an average score of consecutive 97.50%, 87.81%, 84.60% with very good category. (3) Student responses individual trial, small group trial, and large group trial to get an average score of consecutive 92.86%, 86.38%, 85.93% with very good category.

Keywords: *Teaching materials, ethnoscience, magazine*