

Roisatul Azizah Karina. 2019. Pengembangan Modul IPA Berbasis Etnosains pada Materi Sumber Daya Alam Kelas IV UPTD SDN Jrengik 1 Sampang. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing I Andika Adinanda Siswoyo, S.Pd., M.Pd. dan Pembimbing II Isna Ida Mardiyana, S.Pd., M.Pd.

ABSTRAK

Tujuan dari penelitian ini adalah untuk mengetahui kevalidan, kepraktisan, dan keefektifan dari modul IPA berbasis etnosains pada materi sumber daya alam kelas IV sekolah dasar. Prosedur pengembangan yang digunakan dalam penelitian pengembangan ini adalah prosedur pengembangan model 4D Thiagaragan yang dimodifikasi oleh Mulyatiningsih. Model 4D terdiri dari 4 tahapan yaitu *define*, *design*, *develop*, dan *disseminate*. Instrumen yang digunakan dalam penelitian pengembangan ini yaitu lembar angket, lembar observasi, dan lembar tes. Teknik analisis data yang digunakan dalam penelitian ini yaitu analisis data kualitatif dan kuantitatif. Subjek penelitian pengembangan ini adalah siswa kelas IV UPTD SDN Jrengik 1 Sampang. Berdasarkan hasil penelitian yang telah dilakukan, diperoleh hasil presentase kevalidan modul IPA berbasis etnosains menurut ahli sebesar 89,71%, dan validitas keterbacaan sebesar 84,12%. Berdasarkan indikator kevalidan, modul IPA berbasis etnosains dapat dikatakan valid. Hasil kepraktisan yang diperoleh dari rata-rata skor keterlaksanaan pembelajaran pertemuan 1 dan 2 adalah 97,5% dan dari hasil tersebut maka modul IPA berbasis etnosains dikatakan praktis. Hasil keefektifan diperoleh dari respon siswa sebesar 93,63% (menarik) dan ketuntasan hasil belajar secara klasikal sebesar 90%. Berdasarkan indikator keefektifan, maka modul IPA berbasis etnosains dikatakan efektif. Sehingga dapat disimpulkan bahwa modul IPA berbasis etnosains pada materi sumber daya alam dikatakan sangat valid, praktis, dan efektif digunakan dalam pembelajaran di kelas.

Kata kunci: Pengembangan, Modul, IPA, Etnosains, Kevalidan, Kepraktisan, Keefektifan.

Roisatul Azizah Karina. 2019. *The Development of Ethnoscience Based Modules on Class IV for Natural Resources Material UPTD Elementary School 1 Jrengik in Sampang*. Study Program for Primary School Teacher Education, Faculty of Education, University of Trunojoyo Madura. Advisor I Andika Adinanda Siswoyo, S.Pd., M.Pd. and Advisor II Isna Ida Mardiyana, S.Pd., M.Pd.

ABSTRACT

The purpose of this development study was to determine the validity, practicality, and effectiveness of the ethno - science module based to the grade IV on natural resource materials. The development procedure used in this development research was the procedure for developing the modified Thiagaragan 4D modeled by Mulyatiningsih. The 4D model consists of 4 stages, namely defining, designing, developing, and disseminating. The instruments used in this development research are questionnaire sheets, observation sheets, and test sheets. The data analysis technique used in this study is the analysis of qualitative and quantitative data. The development research subjects were fourth grader of UPTD Jrengik 1 Sampang Elementary School. Based on the results of the research that has been done, the results of the validity percentage of ethno - science modules based according to experts are 89.71%, and the readability validity is 84.12%. Based on validity indicators, ethno-science modules based can be said to be valid. The results of practicality obtained from the average score of meeting learning outcomes 1 and 2 were 97.5% and from these results the ethno-science module based was said to be practical. The results of effectiveness obtained from student responses amounted to 93.63% (interesting) and the completeness of learning outcomes in classical by 90%. Based on indicators of effectiveness, the ethnoscience module based is said to be effective. So it can be concluded that the science module based on ethnics on natural resource material is said to be very valid, practical, and effective to apply in classroom learning.

Keywords: Development, Modules, IPA, Ethnoscience, Validity, Practicality, Effectiveness.