

Pratiwi, Risqyatul Mega.2022. Pengembangan Modul Matematika Berbasis Etnomatematika Pada Kelas IV Materi Bangun Datar Pada Rumah Adat dan Alat Musik Tradisional Madura. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Universitas Trunojoy Madura, Pembimbing: (I) Rika Wulandari,S.Pd.,M.Pd. dan (II) Tyasmiarni Citrawati, S.Pd.,M.Pd.

ABSTRAK

Tujuan penelitian pengembangan ini adalah (1) mengetahui kevalidan pengembangan modul matematika berbasis etnomatematika, (2) mengetahui kepraktisan pengembangan modulmatematika berbasis etnomatematika, dan (3) mengetahui keefektifan pengembangan modulmatematika berbasis etnomatematika pada kelas IV di UPTD SDN Kolla 1 . Pengembangan ini menggunakan model 4D. Berdasarkan hasil validasi para ahli didapatkan hasil persentase sebagai berikut: ahli materi 90% (sangat valid), ahli bahasa, 90% (sangat valid), ahli media 87,5% (sangat valid) dan ahli desain pembelajaran 87,5% (sangat valid). Hasil uji kevalidan mendapat hasil persentase sebesar 88,75% (sangat valid). Kepraktisan modul diukur dari angket respon siswa dan angket respon guru pada saat uji coba diperoleh hasil persentase sebesar 92,75% (sangat praktis). keefektifan modul diperoleh dari observasi keterlaksanaan pembelajaran dan hasil belajar klasikal siswa. Hasil dari oberservasi kerlaksanaan pembelajaran menunjukkan persentase 95,5% (sangat efektif), ketuntasan belajar menunjukkan hasil 100% (kriteria tuntas secara klasikal yaitu $\geq 85\%$ siswa mencapai KKM). Berdasarkan hasil penelitian maka modul matematika berbasis etnomatematika di katakan valid, praktis, dan efektif digunakan untuk materi bangun datar pada siswa kelas IV UPTD SD Negeri Kolla 1.

Kata Kunci: Bangun Datar,Rumah Adat Dan Alat Musik Tradisioanal, Modul Matematika Berbasis Etnomatematika.

Pratiwi, Risqyatul Mega. 2022. *Development of Ethnomathematical-Based Mathematical Modules in Class IV Materials on Flat Shapes in Traditional Houses and Madura Traditional Musical Instruments*. Thesis, Elementary School Teacher Education Study Program, Trunojoyt Madura University, Supervisors: (I) Rika Wulandari, S.Pd., M.Pd. and (II) Tyasmiarni Citrawati, S.Pd., M.Pd.

ABSTRACT

The objectives of this development research are (1) to determine the validity of developing an ethnomathematics-based mathematics module, (2) to determine the practicality of developing an ethnomathematical-based mathematical module, and (3) to determine the effectiveness of developing an ethnomathematics-based mathematics module in class IV at UPTD SDN Kolla 1. This development uses a 4D model. Based on the results of the validation of the experts, the percentage results were obtained as follows: material experts 90% (very valid), linguists, 90% (very valid), media experts 87.5% (very valid) and learning design experts 87.5% (very valid). valid). The results of the validity test got a percentage result of 88.75% (very valid). The practicality of the module was measured from the student response questionnaire and the teacher's response questionnaire at the time of the trial. The percentage result was 92.75% (very practical). the effectiveness of the module is obtained from the observation of the implementation of learning and students' classical learning outcomes. The results of the observation of learning implementation showed a percentage of 95.5% (very effective), complete learning showed 100% results (classical complete criteria, namely 85% of students reached the KKM). Based on the results of the study, the ethnomathematics-based mathematics module is said to be valid, practical, and effectively used for flat-shaped material for fourth grade students of UPTD SD Negeri Kolla 1.

Keyword: *Two-Dimensional Figure, Traditional Houses and Traditional Musical Instruments, Ethnomathematics-Based Mathematics Module*