

Ira Fatmawati. 2023. *Pengembangan Modul Ajar Matematika Berbasis Etnomatematika Kearifan Lokal Tradisi Nyadran Sidoarjo*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Umi Hanik

ABSTRAK

Tujuan penelitian pengembangan ini adalah (1) mengetahui kevalidan pengembangan modul ajar matematika berbasis etnomatematika kearifan lokal tradisi Nyadran Sidoarjo, (2) mengetahui keefektifan pengembangan modul ajar matematika berbasis etnomatematika kearifan lokal tradisi Nyadran Sidoarjo. Pengembangan ini menggunakan model 4D yang memiliki 4 tahapan yakni, tahapan *define* (pendefinisian), *design* (perancangan), *development* (pengembangan) dan *dessiminate* (penyebarluasan). Subjek penelitian adalah siswa kelas IV SDN Candi Sidoarjo. Berdasarkan hasil validasi para ahli didapatkan hasil persentase sebagai berikut, ahli desain perangkat pembelajaran 73,31 % (valid), ahli materi 79,16 % (valid), ahli bahasa 85,41 % (valid) dan praktisi 81,81 % (valid). Keefektifan e-modul diperoleh dari hasil belajar klasikal siswa. Ketuntasan belajar menunjukkan 100% (kriteria tuntas secara klasikal yaitu ≥ 80 % siswa telah memiliki nilai ≥ 70). Berdasarkan hasil penelitian maka modul ajar matematika berbasis etnomatematika kearifan lokal tradisi Nyadran Sidoaro dikatakan valid dan efektif sehingga dapat digunakan untuk siswa kelas IV SDN Candi pada mata pelajaran matematika materi analisis data.

Kata Kunci: Modul Ajar, Kearifan Lokal, Nyadran

Ira Fatmawati. 2023. Development of Ethnomatematics Based Mathematics Teaching Modules on Local Wisdom of the Sidoarjo Nyadran Tradition. Thesis, Elementary School Teacher Education Study Program, Faculty of Education, Trunojoyo University, Madura. Umi Hanik

ABSTRACT

The objectives of this development research were (1) to determine the validity of the development of ethnomathematics-based mathematics teaching modules on the local wisdom of the Nyadran Sidoarjo tradition, (2) to determine the effectiveness of developing mathematics teaching modules based on ethnomathematics on the local wisdom of the Nyadran Sidoarjo tradition. This development uses a 4D model which has 4 stages namely, stagesdefine (definition), design (planning), development (development) anddessiminate (dissemination). The research subjects were fourth grade students at Candi Sidoarjo Elementary School. Based on the results of expert validation, the percentage results are as follows, learning device design experts 73.31% (valid), material experts 79.16% (valid), linguists 85.41% (valid) and practitioners 81.81% (valid). The effectiveness of the e-module is obtained from students' classical learning outcomes. Learning completeness shows 100% (classical completion criteria, namely 80% of students have a value of 70). Based on the results of the research, the ethnomathematics-based mathematics teaching module on the local wisdom of the Nyadran Sidoaro tradition is said to be valid and effective so that it can be used for fourth grade students at Candi Elementary School in mathematics on data analysis material.

Keywords: Teaching Module, Local Wisdom, Nyadran