

PENGEMBANGAN MEDIA VIDEO PEMBELAJARAN MATEMATIKA MATERI BANGUN DATAR BERBASIS PENDEKATAN ETNOMATEMATIKA PADA SISWA KELAS IV SD NEGERI 2 TAJEN TABANAN TAHUN AJARAN 2021/2022

Oleh
Ida Ayu Made Ariska Putri, NIM 1811031083
Jurusan Pendidikan Dasar

ABSTRAK

Penelitian pengembangan ini memiliki tujuan untuk mengetahui rancang bangun media video pembelajaran matematika berbasis pendekatan etnomatematika materi bangun datar pada siswa kelas IV SD Negeri 2 Tajen dan mengetahui kelayakan dari segi isi, desain serta media video pembelajaran matematika berbasis pendekatan etnomatematika materi bangun datar pada siswa kelas IV SD Negeri 2 Tajen. Subjek uji coba penelitian pengembangan ini adalah ahli isi pembelajaran, ahli media pembelajaran, ahli desain pembelajaran, serta siswa kelas IV di SD Negeri 2 Tajen. Model pengembangan penelitian ini adalah model ADDIE (*analyze, design, development, implementation, evaluation*) sehingga langkah-langkah dalam proses pengembangan produk dapat dilakukan secara sistematis. Metode pengumpulan data menggunakan metode observasi, wawancara tak terstruktur dan angket/kuesioner. Analisis data dilakukan dengan menggunakan teknik analisis data deskriptif kuantitatif dan teknik analisis data kualitatif. Hasil dari penelitian pengembangan yang dilakukan adalah sebuah produk berupa video pembelajaran, meliputi hasil: (1) deskripsi rancang bangun pengembangan video pembelajaran matematika berbasis pendekatan etnomatematika yaitu melalui tahapan analisis, desain, pengembangan, implementasi, dan evaluasi; (2) video pembelajaran matematika berbasis pendekatan etnomatematika dinyatakan layak berdasarkan hasil uji coba produk meliputi: (a) hasil penilaian ahli isi/materi pembelajaran yang mencapai persentase skor 90,62% dengan kualifikasi sangat baik; (b) hasil penilaian ahli desain pembelajaran yang mencapai persentase skor 96,15% dengan kualifikasi sangat baik; (c) hasil penilaian ahli media pembelajaran yang mencapai persentase 90,38% dengan kualifikasi sangat baik; (d) hasil uji coba perorangan yang mencapai persentase skor 90% dengan kualifikasi sangat baik; (e) hasil uji coba kelompok kecil yang mencapai 93,54% dengan kualifikasi sangat baik; (f) hasil uji coba lapangan yang mencapai persentase skor 92,76% dengan kualifikasi yang sangat baik. Berdasarkan hasil uji kelayakan dapat disimpulkan bahwa media video pembelajaran matematika berbasis pendekatan etnomatematika layak digunakan dalam proses pembelajaran.

Kata kunci: video pembelajaran, matematika, pendekatan etnomatematika, bangun datar.

ABSTRACT

This development research has the aim of knowing the design of the video media for mathematics learning based on the ethnomathematics approach to flat shape material for fourth grade students at SD Negeri 2 Tajen and knowing the feasibility in terms of content, design and video media for mathematics learning based on the ethnomathematical approach to flat structure material for fourth grade students. SD Negeri 2 Tajen. The trial subjects of this development research were learning content experts, instructional media experts, instructional design experts, and fourth grade students at SD Negeri 2 Tajen. The research development model is the ADDIE model (analyze, design, development, implementation, evaluation) so that the steps in the product development process can be carried out systematically. Methods of collecting data using the method of observation, unstructured interviews and questionnaires/questionnaires. Data analysis was carried out using quantitative descriptive data analysis techniques and qualitative data analysis techniques. The results of the development research carried out were a product in the form of learning videos, including the results: (1) a description of the design and development of mathematics learning videos based on an ethnomathematical approach, namely through the stages of analysis, design, development, implementation, and evaluation; (2) the video of mathematics learning based on the ethnomathematics approach was declared feasible based on the results of product trials including: (a) the results of the assessment of content/learning materials experts who achieved a percentage score of 90.62% with very good qualifications; (b) the results of the assessment of learning design experts who achieved a score percentage of 96.15% with very good qualifications; (c) the results of the assessment of learning media experts who reached a percentage of 90.38% with very good qualifications; (d) the results of individual trials that reach a percentage score of 90% with very good qualifications; (e) small group trial results which reached 93.54% with very good qualifications; (f) the results of field trials which reached a percentage score of 92.76% with very good qualifications. Based on the results of the feasibility test, it can be concluded that the ethnomathematical approach-based mathematics learning video media is feasible to use in the learning process.

Keywords: learning video, mathematics, ethnomathematical approach, flat wake.