

ABSTRAK

Yustina Tri Arsanti Elgasari. 171414029. 2021. “Pengembangan Modul Penyajian Data Berbasis Pendekatan Kontekstual untuk Memfasilitasi Kemampuan Komunikasi Matematis Siswa Kelas VII SMP”. Skripsi. Jurusan Pendidikan Matematika Dan Ilmu Pengetahuan Alam. Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Sanata Dharma.

Penelitian ini bertujuan untuk mengetahui (1) kevalidan modul penyajian data berbasis pendekatan kontekstual untuk memfasilitasi kemampuan komunikasi matematis siswa kelas VII SMP Negeri 3 Kasihan (2) kepraktisan modul penyajian data berbasis pendekatan kontekstual untuk memfasilitasi kemampuan komunikasi matematis siswa kelas VII SMP Negeri 3 Kasihan (3) keefektifan modul penyajian data berbasis pendekatan kontekstual ditinjau dari kemampuan komunikasi matematis siswa kelas VII SMP Negeri 3 Kasihan.

Penelitian dilaksanakan di SMP Negeri 3 Kasihan dengan subjek penelitian adalah siswa kelas VII E SMP Negeri 3 Kasihan tahun ajaran 2020/2021. Jenis penelitian yang dilakukan adalah penelitian dan pengembangan (*Research and Development*) dengan model pengembangan ASSURE. Instrumen penelitian yang digunakan yaitu pedoman wawancara, lembar validasi modul, modul, RPP, lembar angket respon siswa, dan tes. Data hasil penelitian dianalisis secara deskriptif.

Hasil penelitian menunjukkan bahwa: (1) kualitas modul tergolong dalam kriteria kurang valid yaitu 66,28%. Kriteria kurang valid tersebut diperoleh karena pada penyajian materi dalam modul untuk aspek pendekatan kontekstual terdapat komponen-komponen yang belum diterapkan dengan baik yaitu konstruktivisme, inkuiri, dan diskusi. (2) kualitas modul tergolong dalam kriteria praktis yaitu 72,75% (3) kemampuan komunikasi matematis siswa setelah menggunakan modul termasuk kriteria sedang yaitu 73,62%. Hal tersebut menunjukkan bahwa modul penyajian data berbasis pendekatan kontekstual ini kurang valid tetapi praktis dan dapat memfasilitasi kemampuan komunikasi matematis siswa.

Kata kunci: Modul, Pendekatan Kontekstual, dan Komunikasi Matematis

ABSTRACT

Yustina Tri Arsanti Elgasari. 171414029. 2021. "Development of a Contextual Approach Based Data Presentation Module to Facilitate Mathematical Communication Skills for Class VII Junior High School Students". Thesis. Department of Mathematics and Natural Science Education. Faculty of Teacher Training and Education, Sanata Dharma University.

This study aims to determine (1) the validity of the data presentation module based on a contextual approach to facilitate mathematical communication skills of class VII students of SMP Negeri 3 Kasihan (2) the practicality of the data presentation module based on a contextual approach to facilitate mathematical communication skills of class VII students of SMP Negeri 3 Kasihan (3) the effectiveness of the data presentation module based on a contextual approach in terms of the mathematical communication skills of class VII students of SMP Negeri 3 Kasihan.

The research was carried out at SMP Negeri 3 Kasihan with the research subjects being class VIIIE students of SMP Negeri 3 Kasihan for the 2020/2021 academic year. The type of research carried out was the research and development with the ASSURE development model. The research instruments used were interview guidelines, module validation sheets, modules, RPP, student response questionnaires, and tests. The research data were analyzed descriptively.

The results showed that: (1) the quality of the module was classified as less valid with 66.28%. The less valid criteria were obtained because presentation material in the module for the contextual approach aspect, there were components that had not been implemented properly namely constructivism, inquiry, and discussion. (2) the quality of the module was included in the practical criteria with 72.75% (3) students' mathematical communication skills after using the module was included moderate criteria with 73, 62%. This shows that the data presentation module based on this contextual approach is less valid but practical and can facilitate students' mathematical communication skills.

Keywords: Module, Contextual Approach, and Mathematical Communication.