

ABSTRAK

Fendi Wati Bili.2024. "*Pengembangan lembar kerja siswa materi perbandingan berbasis RME untuk meningkatkan pemahaman konsep siswa di SMP SRIWEDARI MALANG*" Program Studi Pendidikan Matematika, Program Sarjana Universitas Tribhuwana Tungga Dewi. Pembimbing: I) Elita Mega Selvia Wijaya ; (II) Rudy Setiawan .

Tujuan umum penelitian ini adalah mengembangkan lembar kerja siswa materi perbandingan berbasis RME untuk meningkatkan pemahaman konsep siswa di Smp Sriwedari Malang. Ada pun tujuan khusus penelitian ini adalah: (1) mengembangkan lembar kerja siswa materi perbandingan berbasis RME untuk meningkatkan pemahaman konsep siswa di Smp Sriwedari Malang. (2) Keterlaksanaan kategori yang ditetapkan dengan melakukan validasi dan uji coba produk. Penelitian ini termasuk jenis penelitian pengembangan dengan desain model 4D. Prosedur pengembangan meliputi tahap pendefinisian, perancangan dan pengembangan. Data penelitian berupa dokumen proses pengembangan dan data kualitas lembar kerja siswa dari validator serta calon pengguna. Berdasarkan hasil analisis data lembar kerja siswa berbasis Realistic Mathematic Education dapat diterapkan dan terlaksana dengan valid. Melalui uji coba yang dilakukan maka lembar kerja siswa dapat dikatakan sangat valid karena mampu merancang atau menciptakan hal baru dan mampu mempertanggung jawabkan dan menyelesaikan masalah pada materi perbandingan.

Hasil penelitian menunjukkan bahwa proses pengembangan meliputi tahap pendefinisian dengan hasil berupa peta kebutuhan pembelajaran; Berdasarkan hasil penelitian pengembangan yang telah dilaksanakan dapat disimpulkan sebagai berikut : Hasil validasi ahli materi mendapatkan skor 93,75 berada pada persentase sangat valid tidak revisi dapat disimpulkan bahwa materi perbandingan sangat valid. Berdasarkan tabel Pedoman penilaian kevaliditasan soal tes siswa berbasis RME diperoleh jumlah skor 93,75. maka soal tes yang digunakan dalam penelitian memiliki kriteria sangat valid. Berdasarkan tabel Pedoman Penilaian Kevaliditasan LKS berbasis RME diperoleh jumlah skor 95. Maka instrumen Kevaliditasan LKS berbasis RME yang akan digunakan dalam penelitian memiliki kriteria sangat valid tidak revisi. Berdasarkan tabel deskripsi data aspek penilaian instrumen tes hasil belajar siswa diperoleh Dari hasil tes belajar diketahui rata-rata kelas yaitu 84,5. Ketuntasan tes hasil belajar siswa adalah 95% atau sebanyak 21 siswa yang tuntas dari 22 siswa yang mengikuti tes. Sehingga dapat disimpulkan LKS berbasis RME yang dikembangkan efektif. Maka instrumen hasil belajar yang akan digunakan dalam penelitian memiliki kriteria sangat valid. Kesimpulannya adalah instrumen tes hasil belajar MATEMATIKA siswa dinyatakan sangat valid untuk uji coba lapangan .

ABSTRACT

Fendi Wati Bili.2024. *Development of student worksheets on RME-based comparative material to improve students' conceptual understanding at SRIWEDARI MALANG Middle School"*Mathematics Education Study Program, Tribhuwana Tungga Dewi University Undergraduate Program. Supervisors: I) Elita Mega Selvia Wijaya; (II) Rudy Setiawan .

The general aim of this research is to develop student worksheets on RME-based comparative material to improve students' conceptual understanding at Sriwedari Middle School, Malang. The specific objectives of this research are: (1) developing student worksheets on RME-based comparative material to improve students' conceptual understanding at Sriwedari Middle School, Malang. (2) Implementation of the categories determined by carrying out product validation and trials. This research is a type of development research with 4D model design. The development procedure includes the definition, design and development stages. Research data is in the form of development process documents and quality data on student worksheets from validators and potential users. Based on the results of data analysis, student worksheets based on Realistic Mathematic Education can be applied and carried out validly. Through trials carried out, student worksheets can be said to be very valid because they are able to design or create new things and are able to account for and solve problems in comparative material.

The research results show that the development process includes a definition stage with the results in the form of a learning needs map; Based on the results of the development research that has been carried out, it can be concluded as follows: The results of material expert validation obtained a score of 93.75 which is in the very valid percentage without revision. It can be concluded that the comparison material is very valid. Based on the table of guidelines for assessing the validity of RME-based student test questions, a total score of 93.75 was obtained. So the test questions used in the research have very valid criteria. Based on the RME-based LKS Validity Assessment Guide table, a total score of 95 was obtained. So the RME-based LKS Validity instrument that will be used in the research has very valid criteria without revision. Based on the data description table for the assessment aspect of the test instrument, student learning outcomes are obtained. From the results of the learning test, it is known that the class average is 84.5. Completion of the student learning outcomes test was 95% or as many as 21 students completed the test out of 22 students who took the test. So it can be concluded that the RME-based LKS developed is effective. So the learning outcome instrument that will be used in the research has very valid criteria. The conclusion is that the test instrument for students' MATHEMATICS learning outcomes was declared very valid for field trials.