

ABSTRAK

Ekayanti, Ni Wayan Mei (2019), *Pengembangan Perangkat Pembelajaran Himpunan dengan Model Problem Based Learning Berorientasi Pendidikan Karakter untuk Meningkatkan Kemampuan Pemecahan Masalah Siswa SMP Kelas VII.*

Tesis pendidikan Matematika, Program Studi Megister, Universitas Pendidikan Ganesha.

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Kata Kunci : buku guru dan buku siswa, model *Problem Based Learning*, kemampuan pemecahan masalah

Penelitian ini bertujuan untuk mengetahui karakteristik perangkat dan hasil pengembangan perangkat pembelajaran himpunan dengan model Problem Based Learning berorientasi pendidikan karakter yang berkualitas valid, praktis, dan efektif. Dalam penelitian ini dikembangkan perangkat pembelajaran berupa Buku Guru dan Buku Siswa. Jenis Penelitian yang digunakan adalah penelitian desain. Subjek penelitian ini adalah siswa SMP Saraswati 1 Denpasar. Pengembangan perangkat pembelajaran tersebut mengikuti prosedur pengembangan Plomp yang meliputi fase preliminary, fase prototipe, dan fase assessment. Data validitas perangkat pembelajaran menggunakan lembar validasi perangkat pembelajaran yang didasarkan pada pendapat pakar, hasil validitas buku siswa dan buku guru diperoleh dengan rata-rata 3,42 dan 3,30 memenuhi kriteria valid. Data kepraktisan perangkat pembelajaran didasarkan pada data keterlaksanaan perangkat pembelajaran, angket respons siswa dan angket respons guru, hasil kepraktisan berdasarkan uji coba lapangan II keterlaksanaan perangkat pembelajaran diperoleh dengan rata-rata 3,23, rata-rata respons siswa adalah 3,07, dan rata-rata respons guru adalah 3,27 dengan kriteria praktis. Data efektivitas perangkat pembelajaran dikumpulkan menggunakan tes kemampuan pemecahan masalah, berdasarkan hasil uji coba lapangan II rata-rata skor tes yaitu 81,0 maka efektivitas produk dikatakan dalam kriteria "Tuntas". Berdasarkan hal tersebut hasil validasi menunjukkan bahwa buku guru dan buku siswa yang dikembangkan memperoleh kategori valid. Hasil observasi keterlaksanaan pembelajaran, respons siswa dan respons guru menunjukkan kategori praktis. Berdasarkan hasil tes perangkat pembelajaran termasuk dalam kriteria efektif.

ABSTRACT

Ekayanti, Ni Wayan Mei (2019), Device Development Sets Learning with Model Problem Based Learning Oriented Character Education to Improve Problem Solving Ability Junior High School Class VII

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Keywords : learning device mathematics, sets, problem based learning, character education, problem solving

This study aimed to know the characteristics of the devices and the development results of set learning devices with Problem Based Learning model oriented character education in the following quality: valid, practical and effective. In this study developed learning tools are of teacher books and student books. The type of research used is design research. The subjects of this study were students of SMP Saraswati 1 Denpasar. The development of the learning tools follows the Plomp development procedure which includes the preliminary phase, prototype phase, and assessment phase. The learning devices validity is based on expert judgement which is referred on, data of validity results of student books and teacher books, with averages 3.42 and 3.30 respectability meet valid criteria. The practicality data of learning devices is based on learning devices data, student response on the questionnaire and teacher response on the questionnaire, practicality result based on field trials II of learning devices obtained with average of 3.23, the average student response is 3.07, and the average teacher response is 3.27 with practical criteria. The effectiveness data of learning devices collected using mathematical problem solving tests, based on the results of field test II average test score of 81.0, product effectiveness is said "complete" criteria. The validation results indicated that the teacher books and the student books manuals developed obtained valid categories. The results of observation of the implementation of learning, repons students and teacher responses indicate that the implementation of learning is categorized as practical. Based on the results of the test the learning device is included in the effective criteria.