

ABSTRAK

Agustin, MiftaEriana. 2019.
Pengembangan Modul Matematika dengan Pendekatan Problem Based Learning Materi SPLDV untuk SMP Kelas VIII.
Program Studi Pendidikan Matematika.
Fakultas Keguruan dan Ilmu Pendidikan.
Universitas PGRI Adi Buana Surabaya.
Pembimbing: Dra. Sri Rahayu, M.Pd.
dan Restu Ria Wantika, S.Pd., M.Si.

Kata kunci: Modul Matematika, *Problem Based Learning*, SPLDV.

Penelitian ini bertujuan untuk: (1) Mengetahui proses pengembangan modul matematika dengan pendekatan problem based learning materi SPLDV untuk SMP kelas VIII, (2) Mengetahui efektifitas pembelajaran menggunakan modul matematika dengan pendekatan problem based learning materi SPLDV untuk SMP kelas VIII. Penelitian ini merupakan penelitian pengembangan dengan rancangan model 4-D yang terdiri dari 4 tahap yaitu: (1) pendefinisian (2) perancangan, (3) pengembangan, dan tidak sampai pada tahap penyebaran. Hasil pengembangan divalidasi oleh 4 validator yaitu 2 validator ahli materi dan 2 validator ahli desain. Hasil validasi kedua ahli materi yang memperoleh skor rata-rata 4,09 dan dari hasil validasi kedua ahli desain diperoleh skor rata-rata 4,21 yang termasuk dalam kategori

valid. Tahap uji coba kelompok kecil diperoleh skor rata-rata 3,71 dari hasil angket respon siswa dan hasil dari tes belajar siswa memperoleh persentase 80% yang termasuk dalam kategori baik. Tahap uji coba kelompok besar diperoleh skor rata-rata 4,12 dari hasil angket respon siswa dan hasil dari tes belajar siswa memperoleh persentase 100% yang termasuk dalam kategori baik. Dilihat dari hasil angket respon siswa dan tes hasil belajar siswa bahwa pengembangan modul matematika dengan pendekatan problem based learning materi SPLDV telah berhasil dikembangkan dan modul matematika efektif untuk digunakan di SMPN 2 Krian.

ABSTRACT

Agustin, MiftaEriana. 2019. *Development of Mathematics Modules with Approach to Problem Based Learning SPLDV Material for Class VII Middle School. Mathematics Education Study Program. Faculty of Teacher Training and Education. University of PGRI Adi Buana Surabaya. Supervisor: Dra. Sri Rahayu, M.Pd. and Restu Ria Wantika, S.Pd., M.Si.*

Keywords: Mathematics Module, Problem Based Learning, SPLDV.

This study aims to: (1) Know the process of developing mathematical modules using the problem based learning approach of SPLDV material for junior high school class VIII, (2) Knowing the effectiveness of learning using mathematical modules with a problem based learning approach SPLDV material for class VIII SMP. This research is a development research with a 4-D model design which consists of 4 stages, namely: (1) defining (2) design, (3) development, and not reaching the deployment stage. The development results are validated by 4 validators, namely 2 material expert validators and 2 design expert validators. The results of the validation of the two material experts who obtained an average score of 4.09 and from the

results of the validation of the two design experts obtained an average score of 4.21 which was included in the valid category. The small group trial stage obtained an average score of 3.71 from the results of the student response questionnaire and the results of the student learning test obtained an 80% percentage which was included in the good category. The stage of the large group trial obtained an average score of 4.12 from the results of the student response questionnaire and the results of the student learning test obtained a percentage of 100% which was included in the good category. Judging from the results of student response questionnaires and student learning outcomes tests that the development of mathematical modules using the problem based learning approach SPLDV material has been successfully developed and effective mathematical modules to be used at Krian 2 Junior High School.