Pengembangan Perangkat Pembelajaran Matematika Berbasis
Contextual Teaching and Learning (CTL)
Pada Materi Kubus dan Balok
Siswa Kelas VIII SMP

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ABSTRAK

Penelitian pengembangan perangkat berbasis *Contextual Teaching and Learning* (CTL) pada materi kubus dan balok ini bertujuan untuk menghasilkan perangkat pembelajaran matematika berbasis CTL pada materi kubus dan balok yang memenuhi aspek valid dan praktis. Perangkat pembelajaran yang dikembangkan dalam penelitian ini berupa RPP dan LKPD dengan pendekatan CTL. Metode penelitian yang digunakan dalam penelitian ini adalah modifikasi R&D yang melalui tahap-tahap yaitu: (1) potensi dan masalah; (2) pengumpulan data; (3) desain produk; (4) validitas desain; (5) revisi desain; (6) uji coba produk; (7) revisi produk; dan (8) produk akhir. Instrumen pengumpulan data dalam penelitian ini adalah angket validasi RPP, angket validasi LKPD, angket respon guru, angket respon siswa, serta angket keterlaksanaan pembelajaran. Teknik pengumpulan data yang digunakan dalam penelitian ini yaitu kuesioner non tes. Teknik analisis data yang digunakan yaitu analisis deskriptif. Hasil penelitian diperoleh hasil kevalidan RPP sebesar 89,02% dan nilai kevalidan LKPD sebesar 76,24%. Hasil kepraktisan RPP sebesar 76,78%, hasil kepraktisan LKPD sebesar 91,76%, serta hasil keterlaksanaan pembelajaran telah terlaksana secara keseluruhan. Berdasarkan hasil penelitian diatas dapat disimpulkan bahwa penelitian perangkat pembelajaran matematika dengan pendekatan CTL pada materi kubus dan balok Siswa Kelas VIII SMP telah menghasilkan RPP yang sangat valid dan cukup praktis, serta LKPD yang cukup valid, dan sangat praktis.

Kata Kunci: *Perangkat pembelajaran, Contextual Teaching and Learning (CTL), Rencana Pelaksanaan Pembelajaran, dan Lembar Kerja Peserta Didik.*

The Development of Mathematic Learning Instrumentation by Using Discovery Learning's model on Parallelogram and Rhomb of the Seventh Junior High School Students Pekanbaru

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ABSTRACT

The purpose of this research is to develop and produce mathematics learning instrumentation which are valid and practical. Learning instrumentation, which are developed, are lesson plan (RPP) and students' answer sheet activity by using Discovery learning's model. The development of learning instrumentation in this research used R&D modification, so that there are some steps. Those are: (1) potency and problems; (2) the data collection; (3) product design (4) design validity (5) design revision and result.

This research was conducted on the seventh grade students of junior high school Pekanbaru. The sample consisted of 23 students. The research instrumentations are lesson plan validity sheet, student answer sheet validity, questionnaire of teacher respond, questionnaire of student responds, and questionnaire of teaching learning process.

Based on the research analysis, the result of lesson plan validity was 91,15% and the result of student answer sheets validity was 88,07%. It means, they are very valid. Besides, the result of questionnaire analysis, both teacher respond and student responds, they were 89,29% of lesson plan practicity and 88,54% of students answer sheets practicity. It means, they are very practice or teaching learning process was done well by average of all was 88,80%. It means they were very practice.

Based on the result of data analysis, the writer concluded that there is a significant development of mathematic learning instrumentation by using discovery learning's model on parallelogram and rhomb of the seventh junior high school students Pekanbaru.

Key words: Learning Instrumentation Development, Discovery Learning's model, Lesson Plan, and Students Answer Sheet Activity.