

Setiyowati.2021. *Pengembangan E-Modul Interaktif Materi Luas dan Keliling Bangun Datar Kelas IV di SD Negeri Kebet Lamongan*. Skripsi, Progam Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Rika Wulandari, S.Pd., M.Pd.

ABSTRAK

Tujuan penelitian Pengembangan ini adalah mengembangkan e-modul interaktif pada mata pelajaran matematika materi luas dan keliling bangun datar kelas IV di SDN Kebet yang valid, efektif dan praktis. Penelitian pengembangan ini mengikuti model 4D. Berdasarkan hasil penelitian para ahli didapatkan hasil presentase sebagai berikut: ahli bahasa 90,625% (sangat valid), ahli materi 87,5% (sangat valid), ahli bahan ajar 90% (sangat valid). Hasil penelitian menunjukkan bahwa: e-modul dinyatakan sangat valid dan dapat digunakan berdasarkan dari penilaian para ahli yaitu ahli materi, ahli bahan ajar dan ahli bahasa kemudian di rata-rata dan mendapatkan skor 89,375%. RPP dinyatakan valid berdasarkan penilainan ahli desain bahan ajar untuk menentukan metode yang sesuai dan penilaian dari ahli ini mendapatkan nilai yaitu 90%. Keefektifan e-modul diperoleh dari pada saat uji coba hasil belajar siswa sebelum menggunakan e-modul (pretest) dan setelah menggunakan e-modul (posttest) yang mendapatkan skor 0,77 dan dinyatakan sangat efektif. Kepraktisan e-modul di ukur dari angket respon siswa dan respon guru pada saat uji coba dan diperoleh skor masing-masing sebesar 97,5% dan 93,125% dan dinyatakan (sangat praktis).

Kata Kunci: modul, luas, keliling, bangun datar

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ABSTRACT

The purpose of this development research is to develop an interactive e-module on mathematics subject area and perimeter of grade IV grade IV at SDN Kebet that is valid, effective and practical. This development research follows the 4D model. Results Based on the research, the experts obtained the following percentage results: linguists 90.625% (very valid), material experts 87.5% (very valid), teaching materials experts 90% (very valid). The results showed that: the e-module was declared to be very valid and could be used based on the assessment of the experts, namely material experts, teaching materials experts and linguists then on average and got a score of 89.375%. The lesson plan was declared valid based on the assessment of the teaching material design expert to determine the appropriate method and this expert's assessment got a value of 90%. The effectiveness of the e-module was obtained from the test of student learning outcomes before using the e-module (pretest) and after using the e-module (posttest) which got a score of 0.77 and was declared very effective. The practicality of the e-module was measured from the student response questionnaire and the teacher's response during the trial and obtained scores of 97.5% and 93.125%, respectively, and stated (very practical).

Keywords: module, area, circumference, flat shape