

ABSTRAK

Sovarina Yasarifa Pohan (2023) Pengembangan E-Modul Interaktif Berbasis Matematika Realistik Di Kelas VIII SMP Swasta Palapa Telagah

Penelitian ini bertujuan untuk memperoleh e-modul berbasis realistik yang valid, praktis, dan efektif, sehingga dapat membantu siswa dalam memahami materi lingkaran. Instrument penelitian yang digunakan adalah RPP, lembar validasi materi dan media e-modul, tes hasil belajar, serta lembar angket respon siswa dan guru. Setelah seluruh instrument, RPP, dan e-modul dinyatakan valid oleh validator, kemudian dilakukan uji keterbacaan dan uji coba lapangan. Hasil penelitian menunjukkan bahwa: (1) E-Modul yang dikembangkan telah memenuhi nilai kevalidan yaitu (3,37 dan 3,25) dengan kategori sangat layak; (2) E-Modul yang dikembangkan telah memenuhi nilai kepraktisan yaitu (79,75% dan 90,5%) dengan kategori sangat praktis; (3) E-Modul yang dikembangkan memenuhi kriteria efektif dengan ketuntasan hasil belajar siswa telah memenuhi kriteria yaitu 85% siswa telah memperoleh nilai ≥ 75 dan ketercapaian pada setiap indikator/tujuan pembelajaran yang melebihi 65% dari total siswa.

Kata Kunci: E-Modul, interaktif, lingkaran

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ABSTRACT

Sovarina Yasarifa Pohan (2023) Development of Interactive E-Modul Based On Realistic Mathematics In Class VIII Of Palapa Telagah Private Middle School

This study aims to obtain a constructivism-based e-module that is valid, practical, and effective, so that it can assist students in understanding the material for a two-variable linear equation system. The research instruments used were lesson plans, material validation sheets and e-module media, learning outcomes tests, and student and teacher response questionnaire sheets. After all instruments, lesson plans, and e-modules were declared valid by the validator, then readability tests and field trials were carried out. The results showed that: (1) the developed E-Module had met the validity values, namely (3.37 and 3.25) with a very feasible category; (2) The developed E-Module has met the practical value (79.75% and 90.5%) with very practical category; (3) The developed E-Module meets the effective criteria with the completeness of student learning outcomes that meet the criteria, namely 85% of students have obtained a score of 75 and the achievement of each indicator/learning objective is more than 65% of the total students.

Keywords: E-Modul, Interactive, Realistic, Circel

