

ABSTRACT

CINDY SIMANJUNTAK. Development of Mathematics E-Module Teaching Materials on Fractions Based on Contextual Learning in Class V SD Negeri 104607 Sei Rattan. Thesis. Medan: PGSD FIP UNIMED Study Program 2023.

This study aims to determine the feasibility of the e-module for fractional mathematics based on contextual learning, the practicality of the e-module for fractional mathematics based on contextual learning and the effectiveness of the e-module in mathematics for fractions based on contextual learning in class V SD Negeri 104607 Sei Rotan. This research is a development research (Research and Development) which refers to the ADDIE development model which consists of 5 stages, namely the Analysis, Design, Development, Implementation and Evaluation stages. The subjects of this study were students of class VA SD Negeri 104607 Sei Rotan. The object of this research is the e-module of mathematics for fractions. The instruments used in data collection are teacher interview instruments, teaching materials validation instruments and educational practitioner materials and instruments. The results of the research on the development of the mathematics e-module teaching materials for fractions showed that the validation of teaching materials obtained an average value of 4,6 and the percentage of feasibility was 93% and the results of material validation obtained an average value of 4,8 and the percentage results obtained were 96%. Practicality test by education practitioners gains practicality 96%. Based on the results of the practicality assessment by educational practitioners, this e-module of mathematics fraction material is practical to use. Based on the results of the e-module effectiveness test, it can be seen that after using the e-module, the students' average score increased from the initial average before using the 54 to 85 Based on the results of the effectiveness test, it can be concluded that the e-module of fractional mathematics is effectively used for learning the fifth grade students of SD Negeri 104607 Sei Rotan.

Keywords: Development, E-Module, Contextual Learning, Fractions

ABSTRAK

CINDY SIMANJUNTAK. Pengembangan Bahan Ajar E-Modul Matematika Materi Pecahan Berbasis *Contextual Learning* Pada Kelas V SD Negeri 104607 Sei Rotan T.A 2022/2023. Skripsi. Medan : Program Studi PGSD FIP UNIMED 2023.

Penelitian ini bertujuan untuk mengetahui kelayakan e-modul matematika materi pecahan berbasis *contextual learning*, kepraktisan e-modul matematika materi pecahan berbasis *contextual learning* dan efektivitas e-modul matematika materi pecahan berbasis *contextual learning* pada kelas V SD Negeri 104607 Sei Rotan T.A 2022/2023. Penelitian ini merupakan penelitian pengembangan (Research and Development) yang mengacu pada model pengembangan ADDIE yang terdiri dari 5 tahapan, yaitu tahap Analisis (*Analysis*), Desain (*Design*), Pengembangan (*Development*), Implementasi (*Implementation*) dan Evaluasi (*Evaluation*). Adapun subjek penelitian ini adalah peserta didik kelas VA SD Negeri 104607 Sei Rotan. Objek dalam penelitian ini adalah e-modul matematika materi pecahan. Instrument yang digunakan dalam pengumpulan data yaitu instrument wawancara guru, instrument validasi bahan ajar dan materi dan instrument praktisi pendidikan. Hasil Penelitian pengembangan bahan ajar e-modul matematika materi pecahan ini menunjukkan validasi bahan ajar memperoleh rata-rata nilai 4,6 dan presentase kelayakan adalah 93% dan hasil validasi materi memperoleh rata-rata nilai 4,8 dan hasil presentase yang diperoleh adalah 96%. Uji praktikalitas oleh praktisi pendidikan memperoleh kepraktisan 96%. Berdasarkan hasil penilaian praktikalitas oleh praktisi pendidikan maka e-modul matematika materi pecahan ini praktis untuk digunakan. Berdasarkan hasil uji keefektifan e-modul dapat diketahui bahwa setelah menggunakan e-modul, nilai rata-rata siswa meningkat dari rata-rata awal sebelum menggunakan yaitu 53,53 menjadi 85 Berdasarkan hasil uji efektivitas maka dapat disimpulkan bahwa e-modul matematika materi pecahan efektif digunakan untuk pembelajaran siswa kelas V SD Negeri 104607 Sei Rotan.

Kata Kunci: Pengembangan, E-Modul, Contextual Learning, Pecahan