

PENGEMBANGAN MULTIMEDIA INTERAKTIF PeCI BERBANTUAN TGT PADA MATERI PECAHAN KELAS III SD NEGERI 3 SINGAPADU

Oleh

Kadek Anggun Yulia Paramita, NIM 2211031101

Program Studi Pendidikan Guru Sekolah Dasar

Jurusan Pendidikan Dasar

ABSTRAK

Penelitian pengembangan ini dilatarbelakangi oleh rendahnya hasil belajar siswa pada materi pecahan yang disebabkan oleh penggunaan media pembelajaran yang kurang bervariasi serta penggunaan metode ceramah oleh guru. Penelitian ini bertujuan untuk (1) mendeskripsikan rancang bangun multimedia interaktif PeCI berbantuan TGT, (2) mengetahui kelayakan multimedia interaktif PeCI berbantuan TGT, dan (3) mengetahui efektivitas multimedia interaktif PeCI berbantuan TGT. Penelitian dilakukan mengacu pada model pengembangan ADDIE. Subjek penelitian ini adalah 30 siswa kelas III sekolah dasar. Hasil penelitian menunjukkan bahwa (1) Rancang bangun multimedia interaktif PeCI berbantuan TGT berupa media pembelajaran digital interaktif yang memuat 7 fitur meliputi kompetensi, petunjuk penggunaan, materi, video, game, turnamen, dan profil pengembang yang dikembangkan berdasarkan flowchart dan storyboard sesuai dengan alur model pengembangan ADDIE. Hasil penilaian ahli rancang bangun memperoleh skor presentase skor sebesar 92,50%, (2) Hasil uji kelayakan diperoleh melalui penilaian dari para ahli yakni: (a) Penilaian dari ahli isi/materi pembelajaran sebesar 96,15%, (b) Penilaian dari ahli desain pembelajaran sebesar 97,50%, (c) Penilaian dari ahli media pembelajaran sebesar 93,75%, (d) Hasil uji coba perorangan sebesar 95% dan (e) Hasil uji coba kelompok kecil sebesar 94,16%. Sehingga multimedia interaktif PeCI berbantuan TGT dinyatakan layak digunakan pada topik materi pecahan kelas III. (3) Hasil uji efektivitas menunjukkan bahwa rata-rata nilai post-test siswa adalah 90,16 dan telah melampaui nilai standar BSKAP sebesar 86. Berdasarkan hasil uji t satu sample menunjukkan bahwa nilai $t_{hitung} (3,74) > t_{tabel} (1,699)$. Maka, dapat disimpulkan bahwa multimedia interaktif PeCI berbantuan TGT efektif digunakan dalam kegiatan pembelajaran matematika topik materi konsep dasar pecahan kelas III sekolah dasar.

Kata kunci: Multimedia Interaktif, Pecahan Cerdas Interaktif, *Teams Games Tournament*, Matematika, Konsep Dasar Pecahan

PENGEMBANGAN MULTIMEDIA INTERAKTIF PeCI BERBANTUAN TGT PADA MATERI PECAHAN KELAS III SD NEGERI 3 SINGAPADU

By

Kadek Anggun Yulia Paramita, NIM 2211031101

Program Studi Pendidikan Guru Sekolah Dasar

Jurusan Pendidikan Dasar

ABSTRACT

This development research is motivated by the low learning outcomes of students in fraction material caused by the use of less varied learning media and the use of lecture methods by teachers. This study aims to (1) describe the design of interactive multimedia PeCI assisted by TGT, (2) determine the feasibility of interactive multimedia PeCI assisted by TGT, and (3) determine the effectiveness of interactive multimedia PeCI assisted by TGT. The research was conducted referring to the ADDIE development model. The subjects of this study were 30 third grade elementary school students. The results of the study show that (1) The design of interactive multimedia PeCI assisted by TGT is an interactive digital learning media containing 7 features including competencies, user instructions, materials, videos, games, tournaments, and developer profiles developed based on flowcharts and storyboards in accordance with the ADDIE development model flow. The results of the design expert assessment obtained a score percentage of 92.50%, (2) The results of the feasibility test were obtained through assessments from experts, namely: (a) Assessment from content/learning material experts of 96.15%, (b) Assessment from learning design experts of 97.50%, (c) Assessment from learning media experts of 93.75%, (d) Individual trial results of 95% and (e) Small group trial results of 94.16%. So that the interactive multimedia PeCI assisted by TGT was declared suitable for use on the topic of fractions for grade III. (3) The results of the effectiveness test showed that the average post-test score of students was 90.16 and had exceeded the BSKAP standard score of 86. Based on the results of the one-sample t-test, it showed that the t-count (3.74) > t-table (1.699). Therefore, it can be concluded that the interactive multimedia PeCI assisted by TGT is effective for use in mathematics learning activities on the topic of basic fraction concepts for grade III elementary school.

Keywords: Interactive Multimedia, Interactive Smart Fractions, Teams Games Tournament, Mathematics, Basic Fraction Concepts