

Riya Nihayah. 2023. Pengembangan media e-komik matematika untuk siswa kelas V SDN Cangkringsari. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar. Fakultas Ilmu Pendidikan Universitas Trunojoyo Madura. Pembimbing: Rika Wulandari, S. Pd., M. Pd.

ABSTRAK

Penelitian pengembangan ini memiliki tujuan utama, yaitu: (1) menilai kevalidan pengembangan e-komik matematika, (2) mengevaluasi keefektifan pengembangan e-komik matematika, dan (3) mengukur kemenarikan pengembangan e-komik matematika pada pelajaran matematika dengan fokus pada materi Bangun Ruang untuk siswa kelas V di SDN Cangkringsari. Pengembangan e-komik ini mengadopsi model *Borg and Gall* yang terdiri dari sepuluh tahapan penelitian, yaitu: Identifikasi masalah dan potensi, Pengumpulan data, Desain produk, Validasi desain, Revisi desain, Uji coba produk, Revisi Produk, Uji coba pemakaian, Revisi produk, dan Produk massal. (Subjek penelitian terdiri dari 29 siswa kelas V di SDN Cangkringsari. Berdasarkan hasil validasi para ahli didapatkan hasil persentase sebagai berikut, ahli bahasa 93,75% (sangat valid), ahli materi 90% (sangat valid), ahli media 92,5% (sangat valid) dan ahli desain pembelajaran 80% (valid). Keefektifan modul diperoleh dari hasil observasi guru, observasi siswa dan hasil belajar klasikal siswa. Hasil observasi guru menunjukkan angka 100%, observasi siswa 79,16% dan hasil standar tuntas belajar menunjukkan angka 85%. (kriteria tuntas secara klasikal yaitu $\geq 85\%$ siswa mencapai KKM), sehingga modul pembelajaran matematika dinyatakan efektif dan dapat digunakan. Kemenarikan modul diperoleh dari hasil angket respon siswa pada saat uji coba sebesar 85% (sangat menarik). Berdasarkan hasil penelitian maka e-komik matematika dikatakan valid, efektif, dan menarik sehingga dapat digunakan pada pelajaran matematika materi bangun ruang kelas V Sekolah Dasar.

Kata Kunci: e-komik pembelajaran, bangun ruang, model *Borg and Gall*.

Riya Nihayah. 2023. *Development of mathematical e-comic media for fifth grade students at SDN Cangkringsari*. Thesis. Elementary School Teacher Education Study Program. Faculty of Education, University of Trunojoyo Madura. Advisor: Rika Wulandari, S. Pd., M. Pd.

ABSTRACT

This development research has the main objectives, namely: (1) assessing the validity of developing mathematical e-comics, (2) evaluating the effectiveness of developing mathematical e-comics, and (3) measuring the attractiveness of developing mathematical e-comics in mathematics lessons with a focus on building material Room for fifth grade students at SDN Cangkringsari. The development of this e-comic adopts the Borg and Gall model which consists of ten stages of research, namely: Identification of problems and potential, Data collection, Product design, Design validation, Design revision, Product trial, Product revision, Usage trial, Product revision, and mass products. (The research subjects consisted of 29 fifth grade students at Cangkringsari Elementary School. Based on the validation results of the experts, the following percentages were obtained, language experts 93.75% (very valid), material experts 90% (very valid), media experts 92.5% (very valid) and 80% (valid) learning design experts. The effectiveness of the module is obtained from the results of teacher observations, student observations and students' classical learning outcomes, teacher observation results show 100%, student observations 79.16% and standard results of learning completeness show 85%. can be used. The attractiveness of the module was obtained from the results of the student response questionnaire during the trial by 85% (very interesting). Based on the results of the research, mathematical e-comics are said to be valid, effective, and interesting so that they can be used in mathematics lessons for class V school building material Base.

Keywords: *learning e-comic, building space, Borg and Gall model.*