

ABSTRAK

Syaputri, Nabila. 2024. *Pengembangan LKPD Berbantuan Augmented Reality pada Materi Bangun Ruang Sisi Datar Kelas VIII SMP*. Skripsi. Tanjungpinang: Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Nur Asma Riani Siregar, S.Pd., M.Pd. Pembimbing II: Assist. Prof. Mirta Fera, S.Pd., M.Sc.

Kata Kunci: Pengembangan, LKPD, *Augmented Reality*

Tujuan dari penelitian ini adalah untuk menghasilkan bahan ajar berupa lembar kerja peserta didik (LKPD) berbantuan Augmented Reality pada materi bangun ruang sisi datar kelas VIII SMP. Jenis penelitian yang digunakan adalah *Research and Development (R&D)*. Model penelitian dan pengembangan yang digunakan adalah Model 4-D yang dikembangkan oleh Thiagarajan (1974) yang terdiri dari empat tahapan yaitu *Define, Design, Development, and Disseminate*, namun materi yang digunakan dalam penelitian ini dipelajari di semester ganjil dan tidak memungkinkan untuk melakukan uji efektifitas karena tidak sejalan pada saat uji coba dilakukan sehingga tahapan penelitian disederhanakan menjadi 3-D yaitu *Define, Design, and Development*. Instrumen penelitian yang digunakan berupa lembar validasi ahli materi, lembar validasi ahli media dan lembar validasi ahli bahasa. Data dari penilaian lembar validasi oleh para ahli dianalisis menggunakan teknik *skala likert* dengan bantuan *Microsoft Excel 2020*. Dari hasil validasi ahli materi diperoleh rata-rata persentase sebesar 79,95% dengan kriteria valid. Validasi ahli media diperoleh rata-rata persentase sebesar 79,95% dengan kriteria valid. Validasi ahli bahasa diperoleh rata-rata persentase sebesar 80,75% dengan kriteria sangat valid. Hasil penelitian dapat disimpulkan bahwa bahan ajar yang dikembangkan dinyatakan valid.

ABSTRACT

Syaputri, Nabila. 2024. *Development of LKPD Assisted by Augmented Reality on Material for Building Flat Side Spaces for Class VIII SMP*. Thesis. Tanjungpinang: Mathematics Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Supervisor I: Assist. Prof. Nur Asma Riani Siregar, S.Pd., M.Pd. Supervisor II: Assist. Prof. Mirta Fera, S.Pd., M.Sc.

Keywords: *Development, LKPD, Augmented Reality,*

The aim of this research is to produce teaching materials in the form of student worksheets (LKPD) assisted by Augmented Reality on flat-sided building material for class VIII SMP. The type of research used is Research and Development (R&D). The research and development model used is the 4-D Model developed by Thiagarajan (1974) which consists of four stages, namely Define, Design, Development, and Disseminate, but the material used in this study was studied in the odd semester and did not allow for an effectiveness test because it was not in line when the trial was carried out so that the research stages were simplified into 3-D, namely Define, Design, and Development. The research instruments used were in the form of material expert validation sheets, media expert validation sheets and language expert validation sheets. Data from the assessment of the validation sheets by experts were analyzed using the Likert scale technique with the help of Microsoft Excel 2020. From the results of the material expert validation, an average percentage of 79.95% was obtained with valid criteria. Media expert validation obtained an average percentage of 79.95% with valid criteria. Language expert validation obtained an average percentage of 80.75% with very valid criteria. The results of the study can be concluded that the teaching materials developed are declared valid.