

## ABSTRAK

Astuti, Winni Fitri. 2022. *Pengembangan Multimedia Pembelajaran Interaktif Dengan Pendekatan Problem Based Learning Menggunakan Smart Apps Creator 3 dan Wordwall Pada Materi Statistika Kelas VIII SMP*. Skripsi. Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Dr. Nur Izzati, S.Pd., M.Si. Pembimbing II: Assist. Prof. Mariyanti Elfi, M.Pd.

Kata Kunci: Multimedia Pembelajaran Interaktif, *Problem Based Learning*, *Smart Apps Creator 3* dan *Wordwall*, Statistika

Tujuan penelitian ini adalah untuk menghasilkan multimedia pembelajaran interaktif dengan pendekatan *Problem Based Learning* Menggunakan *Smart Apps Creator 3* dan *Wordwall* pada Materi Statistika Kelas VIII SMP. Jenis penelitian adalah *Research and Development* dengan model penelitian yang digunakan adalah ADDIE. Penelitian ini hanya sampai pada tahap pengembangan (*Development*) dengan melakukan uji validitas dan uji praktikalitas. Instrumen yang digunakan berupa instrumen validasi untuk validasi instrumen penelitian, angket penilaian teman sejawat, lembar validasi ahli materi, lembar validasi ahli, dan angket praktikalitas pendidik dan peserta didik. Data dianalisis dengan analisis deskriptif kualitatif dan analisis kuantitatif. Data yang diperoleh merupakan data kualitatif dan kemudian diubah menjadi data kuantitatif dengan menggunakan MSR. Dari validasi ahli materi memperoleh penilaian sebesar 80,28% dengan kriteria valid, validasi ahli media memperoleh penilaian sebesar 85,93% dengan kriteria valid. Untuk angket praktikalitas respon pendidik memperoleh penilaian sebesar 92,79% dengan kriteria praktis dan angket praktikalitas respon peserta didik memperoleh penilaian sebesar 85,08% dengan kriteria praktis.

## ABSTRACT

Astuti, Winni Fitri. 2022. *Development of Interactive Learning Multimedia with Problem Based Learning Approach Using Smart Apps Creator 3 and Wordwall on Statistics Material for Class VIII SMP*. Thesis. Department of Mathematics Education, Faculty of Teacher Training and Education University of Maritim Raja Ali Haji. First Advisor I: Assist. Prof. Dr. Nur Izzati, S.Pd., M.Sc. Second Advisor II: Assist. Prof. Mariyanti Elfi, M.Pd.

Keywords: Multimedia Interactive Learning, Problem Based Learning, Smart Apps Creator 3 and Wordwall, Statistics.

The purpose of this study was to produce interactive multimedia learning with Problem Based Learning approach using Smart Apps Creator 3 and Wordwall on Statistics Materials for Class VIII SMP. The type of research is Research and Development with the research model used is ADDIE. This research only reached the stage of development (Development) by testing the validity and practicality test. The instruments used are validation instruments for research instrument validation, peer assessment questionnaires, material expert validation sheets, expert validation sheets, and practicality questionnaires for educators and students. Data were analysed by qualitative descriptive analysis and quantitative analysis. The data obtained is qualitative data and then converted into quantitative data using MSR. From the validation of the material expert, it obtained an assessment of 80.28% with valid criteria, the validation of the media expert obtained an assessment of 85.93% with valid criteria. For the practicality questionnaire, the teacher's response received an assessment of 92.79% with practical criteria and the student response practicality questionnaire received an assessment of 85.08% with practical criteria.