

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kelayakan, keterbacaan, dan respons siswa terhadap pengembangan multimedia interaktif berbasis web pada materi pengukuran. Pengembangan media mengadopsi model ADDIE yang terdiri atas tahap analisis, perancangan, pengembangan, implementasi, dan evaluasi. Web yang digunakan untuk menyajikan multimedia interaktif adalah Google Sites. Kelayakan media dinilai berdasarkan aspek media dan materi oleh ahli dan guru IPA. Keterbacaan dan respons siswa diukur melalui angket saat uji coba skala kecil yang melibatkan 20 siswa di MTs Miftahul Ulum pulau mandangin. Hasil validasi yang menunjukkan bahwa multimedia interaktif layak untuk digunakan berdasarkan dari aspek media (validitas 77,6% dan reliabilitas 97,0%) dan berdasarkan aspek materi (validitas 78,1% dan reliabilitas 94,5%) yang dinyatakan valid dan reliabel. Hasil keterbacaan memperoleh rata-rata persentase sebesar 65,63% dalam kriteria keterbacaan sedang. Hasil analisis respons siswa memperoleh rata-rata sebesar 66,58% yang menunjukkan penilaian positif oleh siswa. Multimedia interaktif berbasis web ini layak dan dapat digunakan untuk pembelajaran IPA materi pengukuran.

Kata Kunci: Multimedia Interaktif, Pengukuran, Web

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ABSTRACT

This study aims to determine the feasibility, readability, and response of students to the development of web-based interactive multimedia on measurement materials. Media development adopts the ADDIE model which consists of the stages of analysis, design, development, implementation, and evaluation. The website that is used to present interactive multimedia is Google Sites. Media feasibility is assessed based on media and material aspects by science experts and teachers. Readability and student responses were measured through a questionnaire during a small-scale trial involving 20 students at MTs Miftahul Ulum. The validation results show that interactive multimedia is feasible to use based on media aspects (77.6% validity and 97.0% reliability) and material (78.1% validity and 94.5% reliability) which are declared valid and reliable. The results of the readability obtained an average percentage of 65.63% in the medium readability criteria. The results of the student response analysis obtained an average of 66.58% which indicates a positive assessment by students. This web-based interactive multimedia is feasible and can be used for science learning measurement materials.

Keywords: Interactive Multimedia, Measurement, Web