

Ni'matul Maula. 2025. Pengembangan Multimedia Pembelajaran Interaktif (MPI) Untuk Meningkatkan Literasi Sains Siswa . Skripsi, Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Badrud Tamam

ABSTRAK

Penelitian ini dilatarbelakangi oleh rendahnya tingkat literasi sains dalam pembelajaran IPA. salah satu upaya untuk meningkatkan literasi sains siswa yaitu dengan menggunakan multimedia pembelajaran interaktif (MPI). Tujuan penelitian untuk mengetahui kevalidan MPI, keterbacaan siswa, respons siswa, dan peningkatan kemampuan literasi sains siswa terhadap MPI. Materi yang digunakan pada multimedia yang dikembangkan adalah getaran, gelombang dan cahaya kelas VIII SMPN/MTsN. Penelitian ini merupakan penelitian R&D dengan model pengembangan ADDIE. Subjek dalam penelitian ini yaitu siswa kelas VIII SMPN 1 Kwanyar. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Rata-rata kevalidan ahli media sebesar 92,19% dengan kriteria sangat valid, sedangkan rata-rata validitas ahli materi sebesar 98,75% dengan kriteria sangat valid; (2) Rata-rata hasil keterbacaan siswa sebesar 91,35% dengan kriteria sangat positif; (3) Rata-rata hasil respon siswa sebesar 90,14% dengan kriteria sangat positif. Hal ini mengindikasikan bahwa multimedia pembelajaran interaktif layak digunakan dan mudah dipahami dalam pembelajaran; (4) Hasil nilai *N-Gain* kemampuan literasi sains siswa sebesar 0.50 dengan kriteria sedang. Hal tersebut menunjukkan bahwa multimedia pembelajaran interaktif valid digunakan dalam pembelajaran dan dapat meningkatkan kemampuan literasi sains siswa

Kata kunci: Interaktif, Literasi Sains, Multimedia

Ni'matul Maula. 2025. Development of Interactive Learning Multimedia (MPI) to Improve Students' Science Literacy. *Thesis*, Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura. Advisor: Badrud Tamam

ABSTRAK

This research was motivated by the low level of scientific literacy in science learning. One of the efforts to improve students' scientific literacy was through the use of interactive learning multimedia (MPI). The purpose of this study was to determine the validity of the MPI, students' readability, students' responses, and the improvement of students' scientific literacy skills using MPI. The material used in the developed multimedia was vibrations, waves, and light for eighth-grade students at SMP/MTs. This study was an R&D research using the ADDIE development model. The subjects of this study were eighth-grade students at SMPN 1 Kwanyar. Based on the research results, it could be concluded that: (1) The average media expert validity was 92.19% with a very valid category, while the average material expert validity was 98.75% with a very valid category; (2) The average student readability result was 91.35% with a very positive category; (3) The average student response result was 90.14% with a very positive category. This indicated that the interactive learning multimedia was feasible to use and easy to understand in learning; (4) The N-Gain value of students' scientific literacy skills was 0.51 with a moderate category. This showed that the interactive learning multimedia was valid to be used in learning and could improve students' scientific literacy skills.

Keywords: Interactive, Multimedia, Science Literacy