

Anggun Wijayanti. 2025. *Pengembangan multimedia berbantuan Articulate Storyline Konteks Lahan Kering di Pulau Madura untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Dwi Bagus Rendy Astid Putera.

ABTRAK

Penelitian ini bertujuan untuk menghasilkan multimedia berbantuan *Articulate Storyline* konteks lahan kering di Pulau Madura untuk meningkatkan literasi sains siswa. Materi yang digunakan pada multimedia yang dikembangkan adalah materi ekologi dan keanekaragaman hayati Indonesia kelas VII SMPN/MTsN. Penelitian ini merupakan jenis penelitian R&D dengan model pengembangan *ADDIE*. Subjek dalam penelitian ini yaitu siswa kelas VII-E SMP N 1 Kwanyar. Instrumen uji coba yang digunakan adalah lembar validasi ahli media dan ahli materi, tes kemampuan literasi sains siswa, angket keterbacaan siswa dan angket respons siswa. Teknik penentuan sampel yang digunakan yaitu *purposive sampling*. Teknik analisis data yang digunakan yaitu analisis kevalidan, analisis peningkatan literasi sains, analisis keterbacaan siswa dan analisis respons siswa. Berdasarkan hasil penelitian diperoleh bahwa multimedia berbantuan *Articulate Storyline* yang dikembangkan memiliki rata-rata validitas materi 89,06% kriteria sangat valid, validitas media 90,63% dengan kriteria sangat valid. Rata-rata keterbacaan siswa dan respons siswa pada kelompok besar diperoleh nilai berturut-turut sebesar 87,68 % dan 87,89% dengan kriteria sangat baik. Hasil literasi sains siswa mengalami peningkatan dengan skor *N-Gain* sebesar 0,55 dengan kriteria sedang. Disimpulkan bahwa multimedia berbantuan *Articulate Storyline* konteks lahan kering di Pulau Madura valid untuk digunakan dan mampu meningkatkan literasi sains siswa.

Kata kunci: Lahan Kering Pulau Madura, Literasi Sains Siswa, Multimedia Berbantuan *Articulate Storyline*.

Anggun Wijayanti. 2025. Multimedia development assisted by Articulate Storyline Context of Dry Land in Madura Island to Improve Students' Science Literacy. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University of Madura. Advisor: Dwi Bagus Rendy Astid Putera.

ABSTRACT

This study aims to produce multimedia assisted by Articulate Storyline in the context of dry land on Madura Island to improve students' scientific literacy. The material used in the developed multimedia is the material on ecology and biodiversity of Indonesia for class VII of SMPN/MTsN. This research is a type of R&D research with the ADDIE development model. The subjects in this study were all students of class VII-E of SMP N 1 Kwanyar. The trial instruments used were validation sheets of media experts and material experts, student science literacy ability tests, student readability questionnaires and student response questionnaires. The sampling technique used was purposive sampling. The data analysis techniques used were validity analysis, analysis of increasing scientific literacy, analysis of student readability and analysis of student responses. Based on the results of the study, it was obtained that the multimedia assisted by Articulate Storyline that was developed had an average material validity of 89.06% very valid criteria, media validity of 90.63% with very valid criteria. The average student readability and student responses in the large group obtained values of 87.68% and 87.89% respectively with very good criteria. The results of student science literacy increased with an N-Gain score of 0.55 with moderate criteria. It is concluded that multimedia assisted by Articulate Storyline in the context of dry land on Madura Island is valid for use and is able to improve students' science literacy.

Keywords: *Dry Land on Madura Island, Students' scientific literacy, Multimedia Assisted by Articulate Storyline.*