

Diky Prastiyo. 2024. *Pengembangan E-Module IPA Terintegrasi 360° Web Tour Air Terjun Tretes Wonosalam untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing Ana Yuniasti Retno Wulandari.

ABSTRAK

Pembelajaran IPA dikaitkan dengan lingkungan Air Terjun Tretes Wonosalam yang disajikan dalam bentuk *e-module* IPA terintegrasi 360° *Web Tour* belum banyak diterapkan. Tujuan penelitian ini adalah mengetahui kelayakan media yang dikembangkan. Penelitian ini menggunakan model pengembangan ADDIE. Penelitian dilaksanakan di SMPN 1 Bareng kelas 8A dengan 3 siswa (*one to one trial*), 9 siswa (*small group*), dan kelas 7A dengan 30 siswa (implementasi) pada semester genap tahun ajaran 2023/2024. Teknik pengumpulan data terdiri atas validasi ahli media, ahli materi, angket keterbacaan, angket respons, dan tes literasi sains. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Kelayakan *e-module* IPA memperoleh nilai validitas 1 dengan kategori tinggi, (2) Keterbacaan terhadap *e-module* IPA memperoleh nilai *one to one trial* 75,000% kategori baik, *small group* 79,537% kategori baik, dan implementasi 73,521% kategori baik, (3) Respons terhadap *e-module* IPA memperoleh nilai *one to one trial* 78,287% kategori baik, *small group* 80,764% kategori baik, dan implementasi 74,662% dengan kategori baik, (4) Peningkatan hasil literasi sains siswa setelah menggunakan terhadap *e-module* IPA memperoleh nilai *n-gain* 0,436 dengan kategori sedang.

Kata Kunci: 360° *Web Tour* Air Terjun Tretes, *e-module* IPA, Literasi sains

Diky Prastiyo. 2024. *Development of an Integrated Science E-Module 360° Web Tour of Wonosalam Tretes Waterfall to Improve Students' Science Literacy*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University Madura. Supervisor Ana Yuniasti Retno Wulandari.

ABSTRACT

Science learning associated with the environment of Tretes Wonosalam Waterfall presented in the form of an integrated 360° Web Tour science e-module has not been widely implemented. The purpose of this study was to determine the feasibility of the developed media. The research utilized the ADDIE development model. The study was conducted at SMPN 1 Bareng, involving class 8A with 3 students (one-to-one trial), 9 students (small group), and class 7A with 30 students (implementation) in the second semester of the academic year 2023/2024. Data collection techniques included validation by media and subject matter experts, readability surveys, response questionnaires, and science literacy tests. Based on the research findings, it can be concluded that: (1) The feasibility of the science e-module obtained a validity score of 1 with a high rating, (2) Readability of the science e-module scored as follows: one-to-one trial 75.000% with a good rating, small group 79.537% with a good rating, and implementation 73.521% with a good rating, (3) Response to the science e-module scored as follows: one-to-one trial 78.287% with a good rating, small group 80.764% with a good rating, and implementation 74.662% with a good rating, (4) Improvement in students' science literacy scores after using the science e-module showed an n-gain value of 0.436, indicating a moderate increase.

Keywords: 360° Web Tour Tretes Wonosalam Waterfall, science e-module, Science literacy