

Rofiqotul Islamiyah. 2024. *Pengembangan E-modul Pembelajaran IPA Berbasis Literasi Sains pada Materi Bumi dan Tata Surya*. Skripsi. Progam Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura.

ABSTRAK

Urgensi penelitian ini didasarkan pada kendala siswa dalam memahami buku pelajaran IPA yang dinilai sulit dipahami, dan kurang menarik. Penelitian ini bertujuan untuk mengembangkan *e-modul* pembelajaran IPA berbasis literasi sains pada materi Bumi dan Tata Surya serta mengevaluasi kelayakan, keterbacaan, dan respon siswa. Jenis penelitian ini merupakan penelitian pengembangan menggunakan model ADDIE. Subjek penelitian terdiri dari 25 siswa kelas VII SMP Al-Fallah Selotambak, Kecamatan Kraton, Kabupaten Pasuruan. Uji coba dilakukan melalui tiga tahap yaitu uji perorangan, uji kelompok kecil dengan 5 siswa, dan uji kelompok besar 25 siswa. Instrumen penelitian berupa angket validasi ahli materi, ahli media, dan praktisi pendidikan guru IPA. Hasil penelitian menunjukkan bahwa (1) uji kelayakan media persentasenya 80,6%, uji kelayakan materi sebesar 84,58% dan validasi oleh praktisi pendidikan guru IPA sebesar 92,67%, keseluruhannya dikategori "sangat valid"; (2) hasil uji keterbacaan siswa persentase rata-rata sebesar 94,45% pada uji perorangan, 90% pada uji kelompok kecil, dan 90,3% pada uji kelompok besar keseluruhannya dikategori "sangat baik"; dan (3) respon siswa terhadap *e-modul* memperoleh rata-rata 91,67% pada uji perorangan, 89% pada uji kelompok kecil, dan 91,3% pada uji kelompok besar, dikategorikan "sangat baik". Berdasarkan hasil ini, *e-modul* pembelajaran IPA dinyatakan layak dan efektif untuk digunakan dalam pembelajaran.

Kata Kunci: E-Modul, Pembelajaran IPA, Literasi Sains, Bumi dan Tata Surya

Rofiqotul Islamiyah. 2024. *Development of Science Learning E-module Based on Science Literacy on the Material of Earth and Solar System*. Thesis. Science Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University, Madura.

ABSTRACT

The urgency of this research is based on students' obstacles in understanding science textbooks which are considered difficult to understand and less interesting, so students tend to look for answers on the internet. This study aims to develop a science learning e-module based on science literacy on the material of Earth and Solar System for grade VII students and to evaluate the feasibility, readability, and student responses to the learning media. This type of research is a development research using the ADDIE model which includes four stages, namely analyze, design, development, and implementation. The research subjects consisted of 25 grade VII students of Al-Fallah Selotambak Middle School, Kraton District, Pasuruan Regency. The trial was carried out in stages, namely individual tests, small group tests with 5 students, and large group tests involving all students. The research instrument was a validation questionnaire for material experts, media experts, and science teacher education practitioners. The results of the study showed that (1) the media feasibility test obtained an average percentage of 80.6% with the category "very valid", the material feasibility test obtained an average of 84.58% with the category "very valid", and validation by science teacher education practitioners reached 92.67% with the category "very valid"; (2) the results of the student readability test showed an average percentage of 94.45% in the individual test, 90% in the small group test, and 90.3% in the large group test, all in the category "very good"; and (3) student responses to the e-module obtained an average of 91.67% in the individual test, 89% in the small group test, and 91.3% in the large group test, all also categorized as "very good". Based on these results, the science learning e-module based on scientific literacy on the Earth and Solar System material is declared feasible and effective for use in learning.

Keywords: E-Module, Science Learning, Science Literacy, Earth and Solar System