

Siti Fatmawati. 2023. Pengembangan *Booklet* Berbasis STEM Pada Materi Interaksi Makhluk Hidup dengan Lingkungannya Terhadap Minat Belajar Siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Aida Fikriyah, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui kelayakan, ketebacaan, respons siswa dan minat belajar siswa terhadap *booklet* berbasis STEM pada materi interaksi makhluk hidup dengan lingkungannya. Penelitian ini merupakan penelitian R&D dengan model pengembangan ADDIE (*analyze, design, development, implementation, dan evaluation*). Uji produk dilaksanakan di MTs An-Namirah, Kecamatan Tanah Merah, Kabupaten Bangkalan pada siswa kelas VII tahun ajaran 2022/2023. Subjek penelitian ini yaitu subjek uji coba *one-to-one*, dan uji coba kelompok kecil pada siswa kelas VII-B serta subjek uji penerapan pada siswa kelas VII-A yang berjumlah 24 siswa. Teknik pengumpulan data menggunakan angket validasi media, angket validasi materi, angket keterbacaan siswa, angket respons siswa, dan angket minat belajar siswa. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) Rata-rata validasi ahli media sebesar 93,40% dengan kategori sangat layak dan rata-rata validasi ahli materi sebesar 93,75% dengan kategori sangat layak, (2) Rata-rata hasil keterbacaan siswa terhadap *booklet* berbasis STEM pada materi interaksi makhluk hidup dengan lingkungannya sebesar 90,53% dengan kategori sangat baik, (3) Rata-rata hasil respons siswa terhadap *booklet* berbasis STEM pada materi interaksi makhluk hidup dengan lingkungannya sebesar 91,45% dengan kategori sangat baik. (4) Rata-rata hasil minat belajar siswa setelah melaksanakan pembelajaran dengan menggunakan *booklet* berbasis STEM pada materi interaksi makhluk hidup dengan lingkungannya sebesar 89,27% dengan kategori sangat tinggi. Hal tersebut menunjukkan bahwa *booklet* berbasis STEM pada materi interaksi makhluk hidup dengan lingkungannya layak dan efektif untuk digunakan dalam pembelajaran.

Kata kunci: *Booklet*, STEM, model ADDIE, IPA, minat belajar siswa.

Siti Fatmawati. 2023. *Development of STEM-Based Booklets on the Interaction of Living Things with Their Environment on Student Learning Interests*. Research Paper, Science Education Study Program, Faculty of Education, University of Trunojoyo Madura University. Advisor: Aida Fikriyah, S.Pd., M.Pd.

ABSTRACT

This study aims to determine the feasibility, legibility, student responses and student interest in learning STEM-based booklets on the interaction of living things with their environment. This research is an R&D research with the ADDIE development model (analyze, design, development, implementation, and evaluation). The product test was carried out at MTs An-Namirah, Tanah Merah District, Bangkalan Regency for class VII students of the 2022/2023 academic year. The subjects of this study were one-to-one trial subjects and small group trials on students of class VII-B and the subjects of the application test on students of class VII-A, totaling 24 students. Data collection techniques used media validation questionnaires, material validation questionnaires, student readability questionnaires, student response questionnaires, and student learning interest questionnaires. Based on the results of the study, it can be concluded that: (1) The average validation of media expert is 93.40% in the very valid category and the average validation of material expert is 93.75% in the very valid category, (2) The average readability results students towards STEM-based booklets on the interaction material of living things with their environment at 90.53% in the very good category, (3) The average results of student responses to STEM-based booklets on the interaction of living things with their environment are 91.45% with the very category Good. (4) The average results of students' interest in learning after using STEM-based booklets on the interaction of living things with their environment is 89.27% in the very high category. This shows that STEM-based booklets on the material on the interaction of living things with their environment are suitable and effective for use in learning.

Keywords: *booklet, STEM, ADDIE model, IPA, student learning interest.*