

Sandra Devi Sugianto. 2018. *Pengembangan Modul IPA Berbasis Proyek Terintegrasi STEM Pada Materi Tekanan Terhadap Hasil Belajar*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing I Mochammad Ahied dan pembimbing II Wiwin Pupita Hadi.

ABSTRAK

Tujuan penelitian ini adalah mengetahui kelayakan, keterlaksanaan, respon, keterbacaan, dan hasil belajar terhadap modul IPA berbasis proyek terintegrasi STEM pada materi tekanan. Jenis penelitian adalah R&D (research and development) menggunakan model ADDIE. Desain penelitian adalah *one-shot case study*. Penelitian dilaksanakan di SMPN 8 Pamekasan di kelas VIII A tahun ajaran 2017/2018. Berdasarkan hasil penelitian, dapat disimpulkan: (1) hasil rata-rata penilaian uji kelayakan aspek materi adalah validitas 87,7% dengan kategori sangat valid, reliabilitas 97,19% dengan kategori sangat baik dan aspek media adalah validitas 93,8% dengan kategori sangat valid, reliabilitas 95,5% dengan kategori sangat baik. (2) Hasil rata-rata penilaian keterlaksanaan pembelajaran sebesar 91% dengan kategori berhasil. (3) Hasil rata-rata penilaian keterbacaan modul sebesar 80,67% dengan kategori terbaca dengan sangat baik. (4) Hasil rata-rata penilaian respon siswa terhadap modul sebesar 84,73% dengan kategori sangat baik (5) Hasil belajar secara individual dikatakan tuntas sebanyak 25 siswa, tidak tuntas sebanyak 6 siswa, dan secara klasikal dikatakan tuntas dengan persentase 80,67%. Modul IPA berbasis proyek terintegrasi STEM pada materi tekanan dinyatakan layak digunakan.

kata kunci: hasil belajar, modul IPA, pengembangan, proyek, STEM

Sandra Devi Sugianto. 2018. *Developing of Integrated STEM Project-Based Science Module on Preassure's Material Toward Learning Outcomes*. Thesis, Natural Science Education Study Program, Education Faculty, University of Trunojoyo Madura. Advisor I Mochammad Ahied and Advisor II Wiwin Pupita Hadi.

ABSTRACT

The aim of this research was to know the validity, readable, implementation, learning outcomes, and student's response of integrated STEM project-based science module on preassure's material. The kind of research was R&D (research and development) with ADDIE model. Design of this research was one-shot case study. The study held in SMPN 8 Pamekasan, VIII-A class, academic year 2017/2018. Based on the result of this research, it can be conclude: (1) The average result of validity material aspect was 87,7% with very valid category, reliability 97,19% with very good category and the average result of validity media aspect was 93,8% with very valid category, reliability 95,5% with very good category. (2) The average result of learning activitties was 91% with success category. (3) The average result of readable module was 80,60% with readability category (4) The average result of student's response assesment was 84,73% with very good category. (5) The result of individual learning outcomes was twenty five student to be success and six student to be failed, the result of clasical learning outcomes was success category with percentage was 80,65%. The integrated STEM project-based science module considered feasible to use.

key word: *learning outcomes, science module, development, project, STEM*