

ABSTRAK

Purnamasari, E. R. 2023. Pengembangan Modul Pembelajaran Berbasis *Project Based Learning* pada Materi Pencemaran Lingkungan untuk Siswa Kelas VII. Skripsi. Tanjungpinang. Program Studi Pendidikan Biologi. Fakultas Keguruan Dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Nur Eka Kusuma Hindrasti, S.Pd., M.Pd. Pembimbing II: Assist. Prof. Elfa Oprasmani, S.Pd., M.Pd.

Kata Kunci: Modul Pembelajaran, Pencemaran Lingkungan, PjBL

Penelitian ini bertujuan untuk mengembangkan modul pembelajaran berbasis *project-based learning* pada materi pencemaran lingkungan yang valid, praktis dan efektif. Penelitian ini merupakan penelitian dan pengembangan (*research and development*) dengan menggunakan tiga dari empat tahapan model 4D yaitu *define*, *design* dan *develop*. Pada tahap *define* (pendefinisian) dilakukan analisis awal, analisis kurikulum, analisis materi, analisis peserta didik. Pada tahap *design* (pengembangan) dilakukan pemilihan sumber ajar, penyusunan modul, pemilihan format, dan rancangan awal. Pada tahap *develop* (pengembangan) dilakukan validasi oleh validator materi dan media serta uji praktikalitas. Berdasarkan hasil penelitian yang telah dilakukan dapat disimpulkan bahwa modul pembelajaran berbasis *project-based learning* pada materi pencemaran lingkungan untuk kelas VII yang dikembangkan valid, praktis dan efektif sehingga layak untuk digunakan dalam proses pembelajaran di sekolah.

ABSTRACT

Purnamasari, E.R. 2023. Development of Project-Based Learning Modules on Environmental Pollution Material for Class VII Students. Thesis. Tanjungpinang. Biology Education Study Program. Faculty of Teacher Training and Education. Raja Ali Haji Maritime University. Advisor: Assist. Prof. Nur Eka Kusuma Hindrasti, S.Pd., M.Pd. Co-advisor: Assist. Prof. Elfa Oprasmani, S.Pd., M.Pd.

Keywords: Learning Module, Environmental Pollution, PjBL

The aim of this research was to develop a valid, practical, and effective project-based learning module on environmental pollution. The research followed a research and development (R&D) approach, utilizing three out of four stages of the 4D model, namely define, design, and develop. In the define stage, preliminary analysis, curriculum analysis, material analysis, and student analysis were conducted. During the design stage, instructional sources were selected, the module was developed, formats were chosen, and initial designs were created. In the develop stage, the material and media were validated by experts and practicality tests were conducted. Based on the research findings, it can be concluded that the project-based learning module on environmental pollution for grade VII is valid, practical, and effective, thus suitable for implementation in the school's learning process.