

ABSTRAK

Jon Darmawan. NIM. 8216125001. Pengembangan Model Pembelajaran Merdeka Belajar Pada Mata Pelajaran Fisika SMA. Disertasi. Medan: Program Studi Teknologi Pendidikan. Program Pascasarjana Universitas Negeri Medan. 2024.

Penelitian ini merupakan penelitian pengembangan model pembelajaran merdeka belajar atau model DEFIPPA pada mata pelajaran fisika bagi siswa kelas XI SMA. Tahapan pembelajaran pada model pembelajaran merdeka belajar meliputi: *Diagnostics of Student Diversity* (Diagnostik Keragaman Siswa), *The Essential Question* (Pertanyaan Esensial), *Setting Study Groups and Facilitating the Learning Environment* (Pengaturan Kelompok Belajar dan Fasilitasi Lingkungan Belajar), *Discuss Ideas and Determine the Schedule for Project Work* (Pembahasan Ide dan Penentuan Jadwal Pengerjaan Proyek), *Project Implementation and Learning Progress Monitoring* (Pengerjaan Proyek dan Monitoring Kemajuan Belajar), *Project Presentation* (Presentasi Proyek), dan *Assessment* (Penilaian). Pengembangan ini menghasilkan empat produk yaitu buku model pembelajaran merdeka belajar, buku ajar, buku panduan guru, dan buku panduan siswa. Penelitian ini bertujuan untuk menemukan produk model pembelajaran merdeka belajar dan menghasilkan model pembelajaran merdeka belajar beserta produk pendukung yang layak digunakan dan efektif meningkatkan hasil belajar fisika kelas XI SMA. Jenis penelitian ini adalah penelitian pengembangan menggunakan model Borg and Gall. Hasil penelitian ini menunjukkan bahwa: (1) model pembelajaran merdeka belajar pada mata pelajaran fisika SMA layak digunakan berdasarkan hasil uji kelayakan terhadap keempat produk oleh para validator, guru, dan siswa sebagai pengguna; (2) model pembelajaran merdeka belajar pada mata pelajaran fisika SMA efektif digunakan berdasarkan hasil uji t dan interpretasi *Effect Size* dan *N-Gain Score* yang menunjukkan peningkatan terhadap hasil belajar siswa, hasil observasi keterlaksanaan model pembelajaran merdeka belajar, dan respon guru terhadap penggunaan model pembelajaran merdeka belajar.

Kata kunci: model pembelajaran, merdeka belajar, hasil belajar

ABSTRACT

Jon Darmawan. Student ID: 8216125001. Development of an Emancipated Learning Model for High School Physics Subject. Dissertation. Medan: Educational Technology Study Program. Postgraduate Program at State University of Medan. 2024.

This research is a development study of an emancipated learning model or DEFIPPA model for physics for 11th-grade high school students. The learning stages in the emancipated learning model includes: Diagnostics of Student Diversity, The Essential Question, Setting Study Groups and Facilitating the Learning Environment, Discussing Ideas and Determining the Schedule for Project Work, Project Implementation and Learning Progress Monitoring, Project Presentation, and Assessment. This development produced four products: a book on the emancipated learning model, a textbook, a teacher's guide, and a student's guide. The aim of this research is to discover products of the emancipated learning model and to produce an emancipated learning model along with supporting products that are suitable for use and effective in improving the learning outcomes of 11th-grade high school physics. This type of research is a development study using the Borg and Gall model. The results of this study indicate that: (1) the emancipated learning model for high school physics is suitable for use based on the feasibility test results of the four products by validators, teachers, and students as users; (2) the emancipated learning model applied to high school physics is effectively utilized based on the results of the t-test and the interpretation of Effect Size and N-Gain Score, which indicate an improvement in student learning outcomes, observations on the implementation of the emancipated learning model and teacher responses to the use of this learning model also support its effectiveness.

Keywords: learning model, emancipated learning, learning outcomes

