

PENGEMBANGAN E-MODUL BERMUATAN BIOGRAFI I GUSTI NGURAH RAI BERBASIS MODEL BETA UNTUK MENINGKATKAN KEMAMPUAN BERPIKIR KRITIS DAN SIKAP NASIONALISME MAHASISWA

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ABSTRAK

Penelitian ini bertujuan mengembangkan e-modul bermuatan biografi I Gusti Ngurah Rai berbasis model BETA (*Brainstorming, Exploring, Talking About, dan Applying*) yang valid, praktis, dan efektif untuk meningkatkan kemampuan berpikir kritis serta sikap nasionalisme mahasiswa Program Studi Pendidikan Sejarah. Pengembangan e-modul dilatarbelakangi oleh rendahnya kemampuan berpikir kritis dan sikap nasionalisme mahasiswa, serta belum tersedianya bahan ajar digital yang mengintegrasikan biografi pahlawan nasional dengan model pembelajaran inovatif secara sistematis. Penelitian ini merupakan penelitian dan pengembangan (*Research and Development*) menggunakan model ADDIE yang meliputi tahap *analysis, design, development, implementation, dan evaluation*. Kualitas produk dievaluasi melalui uji kevalidan oleh ahli materi, ahli media, dan ahli bahasa, uji kepraktisan oleh dosen dan mahasiswa, serta uji keefektifan melalui implementasi pembelajaran untuk mengukur peningkatan kemampuan berpikir kritis dan sikap nasionalisme mahasiswa. Hasil penelitian menunjukkan bahwa e-modul yang dikembangkan memenuhi kriteria sangat valid pada aspek materi 3,94, bahasa 3,83, dan desain 3,90, sehingga layak digunakan sebagai bahan ajar pembelajaran sejarah. Uji kepraktisan menunjukkan bahwa e-modul sangat praktis dengan nilai 3,92 pada uji coba terbatas, 3,90 pada uji coba luas penilaian dosen, 3,89 pada uji coba luas penilaian mahasiswa, sehingga layak digunakan oleh dosen maupun mahasiswa karena mudah dioperasikan, sistematis, dan mendukung pembelajaran mandiri. Uji keefektifan membuktikan bahwa implementasi e-modul berbasis model BETA efektif meningkatkan kemampuan berpikir kritis sebesar 82,38 dengan peningkatan 27,34 % dan sikap nasionalisme mahasiswa sebesar 81,52 dengan peningkatan 33,33% melalui aktivitas pembelajaran yang bersifat konstruktif, kolaboratif, reflektif, dan kontekstual berbasis biografi I Gusti Ngurah Rai. Disimpulkan bahwa e-modul bermuatan biografi I Gusti Ngurah Rai berbasis model BETA merupakan inovasi pembelajaran sejarah yang valid, praktis, dan efektif dalam meningkatkan kemampuan berpikir kritis dan sikap nasionalisme mahasiswa. Penelitian ini memperkuat implementasi teori konstruktivisme dalam pembelajaran sejarah sekaligus memberikan kontribusi terhadap pengembangan bahan ajar digital berbasis biografi pahlawan nasional sebagai alternatif pembelajaran sejarah yang kontekstual dan bermakna.

Kata kunci: E-modul, biografi I Gusti Ngurah Rai, model BETA, berpikir kritis, nasionalisme, ADDIE.

DEVELOPMENT OF AN E-MODULE CONTAINING THE BIOGRAPHY OF I GUSTI NGURAH RAI BASED ON THE BETA MODEL TO IMPROVE STUDENTS' CRITICAL THINKING ABILITIES AND NATIONALIST ATTITUDES

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ABSTRACT

This research aims to develop an e-module containing the biography of I Gusti Ngurah Rai based on the BETA model. (Brainstorming, Exploring, Talking About, dan Applying) valid, practical, and effective to improve critical thinking skills and nationalistic attitudes of students in the History Education Study Program. The development of the e-module was motivated by the low critical thinking skills and nationalistic attitudes of students, as well as the unavailability of digital teaching materials that systematically integrate biographies of national heroes with innovative learning models. This research is a research and development (Research and Development) using the ADDIE model that covers the stages analysis, design, development, implementation, dan evaluation. The product quality was evaluated through validity tests by material experts, media experts, and language experts, practicality tests by lecturers and students, and effectiveness tests through learning implementation to measure the improvement of students' critical thinking skills and nationalistic attitudes. The results of the study showed that the developed e-module met the criteria of being very valid in the material aspect of 3.94, language 3.83, and design 3.90, so it is suitable for use as a teaching material for history learning. The practicality test showed that the e-module was very practical with a value of 3.92 in the limited trial, 3.90 in the extensive trial of lecturer assessment, 3.89 in the extensive trial of student assessment, so it is suitable for use by lecturers and students because it is easy to operate, systematic, and supports independent learning. The effectiveness test proves that the implementation of the BETA model-based e-module effectively increases critical thinking skills by 81 with an increase of 34.67% and students' nationalistic attitudes by 81.55 with an increase of 33.15% through constructive, collaborative, reflective, and contextual learning activities based on the biography of I Gusti Ngurah Rai. It is concluded that the BETA model-based e-module containing the biography of I Gusti Ngurah Rai is a valid, practical, and effective history learning innovation in improving students' critical thinking skills and nationalistic attitudes. This study strengthens the implementation of constructivism theory in history learning while contributing to the development of digital teaching materials based on the biography of national heroes as an alternative to contextual and meaningful history learning.

Keywords: E-module, biography of I Gusti Ngurah Rai, BETA model, critical thinking, nationalism, ADDIE