ABSTRAK

TIASARI SIREGAR. 8226182030. Pengembangan E-Modul IPA Berbasis *Contextual Teaching And Learning* Untuk Meningkatkan Hasil Belajar Siswa Sekolah Dasar Pada Materi Harmoni Dalam Ekosistem. Tesis. Pendidikan Dasar Program Pascasarjana Universitas Negeri Medan. 2024.

Penelitian ini bertujuan untuk menghasilkan produk berupa E-modul IPAS berbasis *Contextual Teaching And Learning* untuk siswa kelas V Sekolah Dasar sesuai kebutuhan siswa yang layak, praktis dan efektif. Metode penelitian yang digunakan adalah Penelitian Pengembangan E-Modul IPAS dengan model pengembangan ADDIE yang terdiri dari lima tahapan dimulai dari *Analysis, Design, Development, Implementation and Evaluation.* Analisis kebutuhan, Uji kelayakan, uji kepraktisan dan keefektifan dilakukan di Sekolah Dasar 105289 Kolam Kecamatan Percut Sei Tuan Kabupaten Deli Serdang Provinsi Sumatera Utara dengan subjek penelitian siswa kelas V.A dan V.B Sekolah Dasar 105289 Kolam dengan teknik pengumpulan data berupa observasi, angket dan tes. Hasil penelitian menunjukkan bahwa: 1) Siswa membutuhkan bahan ajar berbasis terknologi dan model pembelajaran yang sesuai dengan siswa; 2) E-modul IPAS yang dikembangkan dinyatakan layak untuk diterapkan dalam proses pembelajaran dengan pesersentase sebesar 89,58% dengan kategori sangat layak; 3) E-modul IPAS yang dikembangkan dinyatakan praktis dengan persentase kepraktisan guru sebesar 89,5% dengan kategori sangat praktis dan persentase kepraktisan siswa sebesar 82% dengan kategori sangat praktis; dan 4) E-modul IPAS yang dikembangkan dinyatakan efektif dengan skor *N-Gain* tes kelas eksperimen sebesar 0,5 dan kelas kontrol sebesar 0, 1. Sehingga disimpulkan E-Modul IPAS yang dikembangkan dinyatakan layak, praktis dan efektif untuk meningkatkan hasil belajar.

Kata Kunci: E-Modul, *Contextual Teaching And Learning*, Hasil Belajar, IPAS, Model ADDIE.

ABSTRACT

TIASARI SIREGAR. 8226182030. Development of a Science E-Module Based on Contextual Teaching and Learning to Improve Primary School Students' Learning Outcomes on Harmony in Ecosystems. Thesis. Basic Education Postgraduate Program Medan State University. 2024.

This research aims to produce a product in the form of a Contextual Teaching And Learning-based IPAS E-module for grade V elementary school students according to the needs of students that are decent, practical and effective. The research method used is Research for the Development of E-Module IPAS with the ADDIE development model which consists of five stages starting from Analysis, Design, Development, Implementation and Evaluation. The need analysis, feasibility test, practicality and effectiveness test were carried out at 105289 Kolam Elementary School, Percut Sei Tuan District, Deli Serdang Regency, North Sumatra Province with the research subjects of students in grades V.A and V.B of 105289 Kolam Elementary School with data collection techniques in the form of observations, questionnaires and tests. The results of the study show that: 1) Students need technology-based teaching materials and learning models that are suitable for students; 2) The developed IPAS e-module was declared feasible to be applied in the learning process with a percentage of 89.58% with the category of very feasible; 3) The developed IPAS e-module was declared practical with a percentage of teacher practicality of 89.5% in the category of very practical and a percentage of student practicality of 82% in the category of very practical; and 4) The developed IPAS E-module was declared effective with an N-Gain score of 0.5 for class experiment and 0.1 for class control. So it was concluded that the E-Module IPAS developed was declared feasible, practical and effective to improve learning outcomes.

Keywords: E-Module, Contextual Teaching And Learning, Learning Outcomes, Science, ADDIE Model.