

ABSTRAK

Novi Mariani Dalimunthe . NIM.5172131006: Pengembangan Pembelajaran E-Learning Berbasis Edmodo pada Mata Pelajaran Instalasi Penerangan Listrik.

Penelitian ini bertujuan untuk mengetahui rancangan produk Pembelajaran *E-Learning* Berbasis *Edmodo* pada Mata Pelajaran Instalasi Penerangan Listrik dan menguji kelayakan pembelajaran *E-Learning* berbasis *Edmodo* pada mata pelajaran instalasi penerangan listrik yang dikembangkan bagi siswa dan guru dalam melakukan proses pembelajaran. Penelitian ini dilakukan di SMK Dwiwarna Medan kelas XI Teknik Instalasi Tenaga Listrik. Prosedur pengembangan yang dilakukan dalam penelitian ini dilakukan dengan metode R&D atau dikenal dengan metode *Research and Development* dan model yang digunakan dalam penelitian ini menggunakan model *Analysis, Design, Development, Implementasi and Evaluation* (ADDIE).

Berdasarkan data yang didapat selama penelitian, hasil validasi ahli media dan hasil validasi ahli materi pada pengembangan pembelajaran *E-Learning* berbasis *Edmodo* pada mata pelajaran instalasi penerangan listrik kelas XI Teknik Instalasi Tenaga Listrik di SMK Dwiwarna Medan maka media pembelajaran yang dikembangkan oleh peneliti dinyatakan sangat layak digunakan sebagai media pembelajaran *E-Learning* berbasis *Edmodo* dengan memperoleh kategori kelayakan sangat layak dengan rata-rata **3,3 (Sangat Layak)** dan hasil penilaian validasi ahli materi memperoleh Rata-rata **3,28 (layak)** dengan kategori layak dan untuk kelayakan oleh pengguna (user) tidak dilakukan oleh peneliti karna coVid 19 dimana pemerintah melarang sekolah untuk melakukan proses pembelajaran secara tatap muka. Dengan demikian pengembangan pembelajaran *E-Learning* berbasis *Edmodo* pada mata pelajaran instalasi tenaga listrik sudah diketahui tingkat kelayakannya dan berdasarkan data yang didapat bahwa tahap implementasi menggunakan pembelajaran *E-Learning* berbasis *Edmodo* sudah bisa dilakukan.

Kata kunci: Pengembangan Pembelajaran *E-Learning*, *Edmodo*, Instalasi Penerangan Listrik

ABSTRACT

Novi Mariani Dalimunthe . NIM. 5172131006: Development of Edmodo-Based E-Learning Learning Subject of Electric Lighting Installation Class XI, Electrical Power Installation Engineering

This study aims to determine the design of Edmodo-based E-Learning learning products for Class XI Electrical Power Installation Subjects at SMK Negeri 1 Percut Sei Tuan and test the feasibility of learning Edmodo-based E-Learning on the subject of electric power installations developed for students and teachers in carrying out the learning process. This research was conducted at SMK Negeri 1 Percut Sei Tuan, class XI of Electrical Power Installation Engineering. The development procedure carried out in this study was carried out by the R&D method or known as the Research and Development method and the model used in this study used the Analysis, Design, Development, Implementation and Evaluation (ADDIE) model.

*Based on the data obtained during the study, the results of the validation of media experts and the results of the validation of material experts on the development of Edmodo-based E-Learning in the subject of electric power installation in class XI of Electrical Power Installation Engineering at SMK Negeri 1 Percut Sei Tuan, the learning media developed by researchers declared very feasible to use as an Edmodo-based learning media for E-Learning by obtaining the feasibility category very feasible with an average of **3,3 (Very Feasible)** and the results of the material expert validation assessment obtained an average of **3.28 (feasible)** with the feasible category eligibility by the user (user) is not carried out by researchers because coVid 19 where the government prohibits schools from carrying out the face-to-face learning process. Thus the development of Edmodo-based E-Learning learning in the subject of electrical power installations is known for its feasibility level and based on the data obtained, the implementation phase using Edmodo-based learning can be done.*

Keywords: E-Learning Learning Development, Edmodo, Electric Lighting Installation.