

## ABSTRAK

**JUAN TEDDY MACXWELL ZAI, NIM. 5151131025. *Pengembangan Media Pembelajaran Berbasis E-Learning Menggunakan Edmodo Pada Mata Pelajaran Instalasi Motor Listrik Kelas XI TITL Di SMK Negeri 1 Percut Sei Tuan T.A 2021/2022.***

Penelitian ini bertujuan untuk mengetahui bagaimana mengembangkan media pembelajaran berbasis E-Learning menggunakan Edmodo pada mata pelajaran Instalasi Motor Listrik kelas XI Teknik Instalasi Tenaga Listrik di SMK Negeri 1 Percut Sei Tuan, dan mengetahui tingkat kelayakan produk Media Pembelajaran berbasis E-Learning menggunakan Edmodo pada mata pelajaran Instalasi Motor Listrik Di Kelas XI Teknik Instalasi Tenaga Listrik (TITL) SMK Negeri 1 Percut Sei Tuan. Penelitian ini termasuk dalam Penelitian dan Pengembangan (R&D) dan model yang digunakan dalam penelitian ini yaitu model ADDIE meliputi analysis (analisis), design (desain), development (pengembangan), implementation (implementasi) dan evaluation (evaluasi).

Hasil penelitian ini adalah: (1) Materi pembelajaran pada Ms.power point, video pembelajaran, dan Quiz yang berisi materi gambar rangkaian motor listrik dengan kendali elektromagnetik yang di upload ke dalam platform pembelajaran Edmodo, langkah langkahnya meliputi analisis kebutuhan peserta didik dan mengumpulkan bahan bahan materi mata pelajaran gambar rangkaian motor listrik dengan kendali elektromagnetik, merancang format dan desain produk media pembelajaran, pengembangan (pembuatan) produk media pembelajaran sesuai dengan desain dan format yang sudah dirancang, penilaian kelayakan media oleh ahli materi dan ahli media, dan revisi produk akhir. (2) Hasil Kelayakan media pembelajaran berbasis E-Learning menggunakan Edmodo pada mata pelajaran Instalasi Motor Listrik kelas XI Teknik Instalasi Tenaga Listrik di SMK Negeri 1 Percut Sei Tuan meliputi penilaian ahli materi diperoleh nilai 4,20 dengan kriteria sangat layak, dan penilaian ahli media diperoleh nilai 4,51 dengan kriteria sangat layak.

**Kata kunci :** Media Pembelajaran, Edmodo, Instalasi Motor Listrik.

## ABSTRACT

**JUAN TEDDY MACXWELL ZAI, NIM. 5151131025. *Development of E-Learning-Based Learning Media Using Edmodo on Electrical Motor Installation Subject Class XI TITL at SMK Negeri 1 Percut Sei Tuan T.A 2021/2022.***

*This study aims to find out how to develop E-Learning-based learning media using Edmodo in the subject of Electrical Motor Installation in class XI Electrical Power Installation Engineering at SMK Negeri 1 Percut Sei Tuan, and to determine the feasibility level of E-Learning-based Learning Media products using Edmodo in subjects Electrical Motor Installation lessons in Class XI Electrical Power Installation Engineering (TITL) at SMK Negeri 1 Percut Sei Tuan. This research is included in Research and Development (R&D) and the model used in this study is the ADDIE model which includes analysis, design, development, implementation and evaluation.*

*The results of this study are: (1) learning materials on Ms. power point, learning videos, and quizzes which contain drawings of electric motor circuits with electromagnetic control uploaded to the Edmodo learning platform, the steps include analyzing the needs of students and collecting materials the subject matter of drawing an electric motor circuit with electromagnetic control, designing the format and design of learning media products, developing (manufacturing) learning media products in accordance with the designs and formats that have been designed, assessing the feasibility of the media by material experts and media experts, and revising the final product . (2) The results of the Feasibility of E-Learning-based learning media using Edmodo in the subject of Electrical Motor Installation in class XI Electrical Power Installation Engineering at SMK Negeri 1 Percut Sei Tuan including the assessment of material experts obtained a value of 4.20 with very feasible criteria, and media expert assessments obtained a value of 4.51 with very feasible criteria.*

**Keywords :** *Learning Media, Edmodo, Electric Motor Installation.*

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