

ABSTRAK

Surya Andika: *Pengembangan E-modul Mata Pelajaran Perawatan Kelistrikan Teknik Dan Bisnis Sepeda Motor Dengan Aplikasi Flipbook Di kelas XI SMKS Bina Satria Medan Medan*. Skripsi. Fakultas Teknik. Universitas Negeri Medan. 2023

Penelitian ini bertujuan untuk: (1) Menganalisis pengembangan *E-modul flipbook* pada mata pelajaran Perawatan Kelistrikan kelas XI SMKS Bina Satria Medan (2) Menganalisis kelayakan *E-modul flipbook* pada mata pelajaran Perawatan Kelistrikan kelas XI SMKS Bina Satria Medan. (3) Menganalisis keefektifan *E-modul flipbook* pada mata pelajaran Perawatan Kelistrikan kelas XI SMKS Bina Satria Medan.

Jenis penelitian yang digunakan adalah penelitian *Research and Development*. Dengan metode yang dipilih adalah metode ADDIE, lima tahapan dalam proses pengembangannya yaitu *Analysis, Design, Development, Implementation, Evaluation*. Kelayakan media pembelajaran *E-modul flipbook* diperoleh dari ahli materi dengan persentasi 98,07%, validasi ahli media dengan persentasi 85%, ahli desain pembelajaran 80,35%, dan uji coba dari respon siswa kelompok 1 (kecil) dengan persentasi 89,42%, respon siswa kelompok 2 (besar) dengan persentasi 89,90% dan respon guru dengan persentasi 94,2% dengan hasil rata-rata pesentasi keseluruhan 89,71% dinyatakan layak. Hasil *post test* menunjukkan bahwa siswa yang tuntas sebanyak 26 orang dari 30 sudah tuntas dengan nilai rata-rata 77,16 dan persentasi kelulusan 86,66% menyatakan bahwa media pembelajaran *E-modul flipbook* dinyatakan efektif. Dengan mengacu pada analisis tingkat kelayakan dan efektifan maka pengembangan media *E-modul flipbook* pada mata pelajaran Perawatan Kelistrikan kelas XI SMKS Bina Satria Medan dinyatakan valid, layak, dan efektif.

Kata Kunci: Pengembangan, *E-modul*, Perawatan Kelistrikan Teknik dan Bisnis Sepeda Motor, *Flipbook*.



ABSTRACT

Surya Andika: *Development of E-module on Electrical Maintenance Subjects Engineering and Motorcycle Business with Flipbook Application in class XI SMKS Bina Satria Medan Medan. Thesis. Faculty of Engineering.State University of Medan. 2023*

This study aims to: (1) analyze the development of flipbook E-module in class XI Electrical Maintenance subjects of SMKS Bina Satria Medan (2) (analyze the feasibility of flipbook E-modules in class XI Electrical Maintenance subjects of SMKS Bina Satria Medan. (3) analyze the effectiveness of the flipbook E-module in class XI Electrical Maintenance subjects of SMKS Bina Satria Medan.

The type of research used Research and Development research. With the method chosen is the ADDIE method, five stages in the development process, namely Analysis, Design, Development, Implementation, Evaluation. The feasibility of the flipbook E-module learning media was obtained from material experts with a percentage of 98.07%, media expert validation with a percentage of 85%, learning design experts 80.35%, and trials of group 1 (small) student responses with a percentage of 89.42%, group 2 (large) student responses with a percentage of 89,90% and teacher responses with a percentage of 94,2% with an overall average percentage result of 89.71% were declared feasible. The results of the post test showed that 26 students out of 30 had completed with an average score of 77.16 and a passing percentage of 86.66% stating that the flipbook E-module learning media was declared effective. By referring to the analysis of the feasibility and effectiveness level, the development of flipbook E-module media in class XI Electrical Care subjects of SMKS Bina Satria Medan is declared valid, feasible, and effective.

Keywords: Development, E-module, Electrical Maintenance Engineering and Motorcycle Business, Flipbook.

