

ABSTRAK

Rico Faul Yohannes Sinaga. NIM. 5153131026 : Pengembangan Media Pembelajaran Mobile Learning Berbasis Android dengan Ispring Suite pada Mata Pelajaran Instalasi Motor Listrik Kelas XI Jurusan Teknik Instalasi Tenaga Listrik di SMK Swasta Imelda Medan, 2020

Penelitian ini bertujuan untuk mengetahui rancangan sebuah media Pengembangan Media Pembelajaran Mobile Learning Berbasis Android dengan Ispring Suite pada Mata Pelajaran Instalasi Motor Listrik Kelas XI Jurusan Teknik Instalasi Tenaga Listrik di SMK Swasta Imelda Medan dan menguji kelayakan media pembelajaran Mobile Learning berbasis Android yang dirancang sebagai media pembelajaran bagi siswa.

Penelitian ini dilakukan pada siswa kelas XI TITL SMK Swasta Imelda Medan tahun ajaran 2019/2020. Penelitian ini diuji cobakan kepada Dosen dan Guru. Prosedur pengembangan media pembelajaran berbasis Android pada mata pelajaran memasang instalasi motor listrik bangunan sederhana yang dikemas dalam bentuk *software softcopy*/CD interaktif dilakukan dengan menggunakan metode R&D desain pengembangan ADDIE. Serta proses validasi kelayakan media, peneliti menggunakan metode *ADDIE* dalam penelitian dan pengembangan (*Research and Development*).

Hasil penelitian ini menunjukkan validasi angket ahli media dengan rata-rata 4,20 interpretasi sangat baik dan sangat layak digunakan sebagai media pembelajaran. Validasi ahli materi (pakar konten) dengan rata-rata 4,72 interpretasi sangat baik digunakan sebagai media pembelajaran. Validasi *user* dengan rata-rata 4,16 interpretasi sangat baik dan sangat layak digunakan sebagai media pembelajaran.

Kata kunci : *Pengembangan, Media Pembelajaran mobile learning berbasis Android, Instalasi Motor Listrik.*



ABSTRACT

Sinaga, Yohannes Faul Rico : Development of Android-Based Mobile Learning Learning Media with Ispring Suite in the Subject of Electric Motor Installation Class XI, Electrical Power Installation Engineering Department at Imelda Private Vocational School, Medan, 2020

This study aims to determine the design of a media for developing Android-based Mobile Learning Learning Media with the Ispring Suite in the Class XI Electrical Motor Installation Subject of the Electrical Power Installation Engineering Department at Imelda Medan Vocational High School and to test the feasibility of Android-based Mobile Learning learning media designed as learning media. for student.

This research was conducted on class XI TITL students of Imelda Medan Private Vocational School for the 2019/2020 school year. This research was tested on lecturers and teachers. The procedure for developing Android-based learning media on the subject of installing a simple building electric motor installation packaged in softcopy / interactive CD software is carried out using the ADDIE R&D design method. As well as the media feasibility validation process, researchers used the ADDIE method in research and development (Research and Development).

The results of this study indicate that the validation of the media expert questionnaire with an average of 4.20 interpretations is very good and very suitable for use as a learning medium. Validation of material experts (content experts) with an average of 4.72 interpretations is very good to use as a learning medium. User validation with an average of 4.16 interpretation is very good and very feasible to use as a learning medium.

Keywords: *Development, Android-based mobile learning media, Electric Motor Installation.*

