

ABSTRAK

Siteven Mendoen Lumbantobing: Pengembangan Media Pembelajaran Mobile Learning Berbasis Android Pada Mata Pelajaran Pemeliharaan Sasis dan Pemindah Tenaga Kendaraan Ringan Pada Kelas XI TKRO SMK Swasta Imelda Medan.

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Penelitian Pengembangan Media Pembelajaran *Mobile Learning* Berbasis *Android* Pada Mata Pelajaran Pemeliharaan Sasis dan Pemindah Tenaga Kendaraan Ringan Pada Kelas XI TKRO SMK Swasta Imelda Medan bertujuan untuk mengembangkan produk, mengetahui kelayakan produk, dan mengetahui keefektifan produk media pembelajaran di SMK Swasta Imelda Medan. jenis penelitian ini penelitian pengembangan (*Research and Development*) dengan desain penelitian menggunakan ADDIE yang merupakan singkatan dari *Analyze, Design, Development, Implementation, Evaluation*. Subjek dalam penelitian ini adalah Ahli materi, ahli media, ahli desain pembelajaran dan respon peserta didik SMK Swasta Imelda Medan yang berjumlah 37 orang. Pengumpulan data dilakukan dengan instrument berupa lembar penilaian validasi ahli materi, ahli media, ahli desain pembelajaran, dan respon peserta didik. Teknik analisis data menggunakan deskriptif kuantitatif dan kualitatif. Hasil penelitian ini menunjukkan bahwa media pembelajaran yang sudah dikembangkan berdasarkan hasil penilaian ahli materi diperoleh persentase rata-rata 4.62 dengan kriteria sangat layak, penilaian ahli media diperoleh persentase rata-rata 4.58 dengan kriteria sangat layak, ahli desain pembelajaran 4.65 dengan kriteria sangat layak, dan respon siswa diperoleh persentase 4.27 dan hasil uji efektifitas dengan nilai perbandingan rata-rata pretest 49.75 dan posttest 88.59 dan diperoleh rata-rata N-gain sebesar 0.76 dengan kategori efektif.

Kata kunci: Pengembangan Media, Model ADDIE, *Mobile Learning*, *Android*.

ABSTRACT

Siteven Mendoen Lumbantobing:*Development of Android-Based Mobile Learning Learning Media in the Subject of Chassis Maintenance and Light Vehicle Power Shifters in Class XI TKRO Imelda Medan Private Vocational School.*

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Learning Media Development Research *Mobile Learning* based *Android* In the subject of Chassis Maintenance and Light Vehicle Transfer in Class XI TKRO Imelda Medan Private Vocational School aims to develop products, determine product feasibility, and determine the effectiveness of learning media products at Imelda Medan Private Vocational School. This type of research is development research (*Research and Development*) with a research design using ADDIE which stands for *Analyze, Design, Development, Implementation, Evaluation*. The subjects in this study were material experts, media experts, learning design experts and the responses of 37 students at Imelda Medan Private Vocational School. Data collection was carried out using instruments in the form of material expert validation assessment sheets, media experts, learning design experts, and student responses. Data analysis techniques using descriptive quantitative and qualitative. The results of this study indicate that the learning media that has been developed based on the results of the material expert's assessment obtained an average percentage of 4.62 with very feasible criteria, the media expert's assessment obtained an average percentage of 4.58 with very feasible criteria, 4.65 learning design experts with very feasible criteria, and student responses obtained a percentage of 4.27 and the results of the effectiveness test with a comparison value of the average pretest 49.75 and posttest 88.59 and obtained an average N-gain of 0.76 with the effective category.

Keywords: Media Development, ADDIE Model, *Mobile Learning, Android*

