

ABSTRACT

Soniati, 2022, Design and Manufacture of Based Learning Media Android in Class X Simulation And Digital Communication Even Semester at SMK Negeri 9 Padang Academic Year 2022/2023. Bachelor of Informatics Engineering Education, Faculty of Teaching Science and Education, Faculty of Teaching Science and Education, University of Putra Indonesia.

This study aims to determine the validity, Practicality and effectiveness of android based learning media on Subjects Digital Simulation And Communication, This research uses research & development methods. Sabjek research amounted to 35 people. The research model used is the development research model (four-D model), with the design of the development steps as follows, (1) define, (2) design, (3) develop, (4) disseminate. Validated Test By Experts Overall Assessment Validator Test On Learning Media Application Based on Android in Digital Simulation And Communication Subjects for Class X at SMK Negeri 9 Padang Is 80,83%, So The Validity Level Can Be Interpreted Validity Used. The Result Of The Practice Of Practicality Assessment Of The Overall Assessment Of The Practicability Of Learning Media Based on Android in Digital Simulation And Communication Subjects for Class X at SMK Negeri 9 Padang Is 94,76% So The Level Of Practicality Can Be Interpreted Very Practical Use. The results of the overall effectiveness test assessment of the effectiveness of Android-Based Learning Media Applications on Digital Simulation And Communication Subjects for Class X at SMK Negeri 9 Padang is 93.42% so that the effectiveness level can be interpreted to be very effective in use. In conclusion, based on the assessment and expert input as well as the results of the field trial of the Android-Based Learning Media as a learning medium, it has been tested for feasibility, excellence, and can be used in the learning process in Digital Simulation And Communication Subjects for Class X at SMK Negeri 9 Padang subjects.

Keywords: Instructional Media, Android, Simulation And Digital Communication.

ABSTRAK

Soniati, 2022, Perancangan dan Pembuatan Media Pembelajaran Berbasis Android pada Mata Pelajaran Simulasi dan Komunikasi Digital Kelas X di SMK Negeri 9 Padang Semester Genap Tahun Ajaran 2022/2023, Sarjana Pendidikan Teknik Informatika Fakultas Keguruan Ilmu Dan Pendidikan Universitas Putra Indonesia.

Penelitian ini bertujuan untuk mengetahui Validitas, Praktikalitas serta Efektifitas Media Pembelajaran Berbasis Android pada Mata Pelajaran Simulasi dan Komunikasi Digital, Penelitian ini menggunakan metode pengembangan penelitian (Research & Development). Subjek penelitian berjumlah 35 orang. Model penelitian yang digunakan adalah model penelitian pengembangan (*four_D* model), dengan desain langkah-langkah pengembangannya adalah sebagai berikut: (1) *define*, (2) *design*, (3) *develop*, (4) *dessiminate*. Hasil uji validitas oleh para ahli secara keseluruhan penilaian uji validator terhadap Aplikasi Media Pembelajaran Berbasis Android Pada Mata Pelajaran Simulasi Dan Komunikasi Digital Kelas X di SMK Negeri 9 Padang sebesar 80,83%, sehingga tingkat validitas dapat di interprestasikan valid digunakan. Hasil penilaian uji praktikalitas secara keseluruhan penilaian praktikalitas terhadap Aplikasi Media Pembelajaran Berbasis Android Pada Mata Pelajaran Simulasi Dan Komunikasi Digital Kelas X di SMK Negeri 9 Padang 94,76%, sehingga tingkat praktikalitasnya dapat di interprestasikan sangat praktis digunakan. Hasil penilaian uji efektifitas secara keseluruhan penilaian efektifitas Aplikasi Media Pembelajaran Berbasis Android Pada Mata Pelajaran Simulasi Dan Komunikasi Digital Kelas X di SMK Negeri 9 Padang sebesar 93,42% sehingga tingkat efektifitasnya dapat di interprestasikan sangat efektif digunakan. Kesimpulannya, berdasarkan penilaian beserta masukan ahli serta hasil dari uji coba lapangan Media Pembelajaran Berbasis Android sebagai media pembelajaran sudah teruji kelayakan, keunggulan, dan dapat digunakan pada proses pembelajaran pada mata pelajaran Simulasi Dan Komunikasi Digital Kelas X di SMK Negeri 9 Padang.

Kata kunci : Media Pembelajaran, *Android*, Simulasi Dan Komunikasi Digital.