

M. Fathur Rozi 2017. Pengembangan Media Pembelajaran Simulasi Instalasi Sistem Operasi Linux Debian 8 Menggunakan Adobe Flash CS6 Di SMK Negeri 1 Labang. Skripsi. Program Studi Pendidikan Informatika. Fakultas Ilmu Pendidikan. Universitas Trunojoyo Madura. Pembimbing I: Muchammad Arief., S.Pd., M.Pd. Pembimbing II: Medika Risnasari., S.St.,M.T.

ABSTRAK

Pengembangan media pembelajaran simulasi instalasi sistem operasi linux Debian 8 dilatarbelakangi oleh cara penyampaian pembelajaran yang masih menggunakan papan tulis, buku, LCD Proyektor sekaligus power poin dalam mata pelajaran sistem operasi. Oleh karena itu, diperlukan sebuah media pembelajaran dalam mata pelajaran sistem operasi. Pengembangan ini bertujuan untuk mengembangkan media pembelajaran “Pintar Debian 8 Jessie” berbasis *android* pada mata pelajaran sistem operasi materi instalasi sistem operasi metode cleans install kelas XI Teknik Komputer Jaringan. Model dalam pengembangan ini menggunakan model pengembangan yang digunakan untuk mengembangkan dan menguji keefektifan dari produk media pembelajaran tersebut. Prosedur pengembangan mengikuti model ADDIE. Instrumen dalam pengembangan ini menggunakan kuesioner dan wawancara tidak terstruktur. Teknik analisis data yang digunakan adalah Teknik deskriptif kualitatif dan kuantitatif. Hasil penelitian pengembangan media pembelajaran dari penilaian ahli media pembelajaran sebesar 83%, penilaian validasi materi pembelajaran sebesar 88%, penilaian uji coba perorangan sebesar 96%, penilaian uji coba kelompok kecil sebesar 92% dan penilaian uji coba kelompok besar sebesar 80%. Hasil tersebut menunjukkan bahwa media pembelajaran “Pintar Debian 8 Jessie” berbasis *android* dapat digunakan sebagai media pembelajaran sistem operasi.

Kata kunci: *pengembangan, media pembelajaran Debian 8 jessie, sistem operasi, linux*

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ABSTRACT

Development of instructional media simulation installation of Linux operating system *Debian 8* backed by way of delivery of learning that still use whiteboard, book, LCD Projector as well as power point in the subject of the operating system. Therefore, an instructional media is needed on the subject of the operating system. The aims of this study to develop the instructional media "*Pintar Debian 8 Jessie*" based *android* on the operating system subject in operating system installation material of cleans install method on the eleventh (XI) grade students of SMKN 1 Labang in the computer network engineering department. The model of this study was development research. It used to develop and test the effectiveness of the instructional media products. The development research procedure follows the ADDIE model. Instruments in this research were used questionnaires and unstructured interviews. The data analysis techniques that used in this study are descriptive qualitative and quantitative. The results of the study on the instructional media development from the expert assessment of instructional media in the amount of 83%, validation assessment of learning material in the amount of 88%, individualized trial assessment in the amount 96%, small group trial assessment in the amount of 92%, and a large group trial assessment in the amount of 80%. The result shows that the "*Pintar Debian 8 Jessie*" based *android* can be used as a learning media for the operating system.

Keywords: Development, Instructional media of Debian 8 Jessie, Operating System, Linux