

ABSTRAK

Muhammad Rialdi Destrianto Pengembangan Video Pembelajaran Untuk Mata Pelajaran Administrasi Server Pada Bidang Keahlian Teknik Komputer Jaringan Di SMK Negeri 7 Jakarta. Program Studi Pendidikan Teknik Informatika dan Komputer, Fakultas Teknik, Universitas Negeri Jakarta, 2019. Dosen Pembimbing; Hamidilah Ajie., S.Si., M.T dan M. Ficky Duskarnaen, M.Sc.

Mata Pelajaran Administrasi Server adalah mata pelajaran yang ada pada kelas XI SMK pada bidang keahlian Teknik Komputer Jaringan. Pada mata pelajaran ini, siswa diharapkan dapat memahami semua materi yang diajarkan. Namun dari semua materi yang diajarkan materi yang cukup banyak mengalami kendala adalah materi DNS Server. Oleh karena itu, dikembangkan media pembelajaran berupa video pembelajaran dengan materi DNS Server dengan menggunakan Metode Penelitian *Research and Development* (R&D). Tujuan penelitian ini adalah membuat media pembelajaran berbasis video untuk kelas XI agar dapat memberikan kemudahan dalam penyampaian materi pada mata pelajaran Administrasi Server di kelas XI di SMK 7 Jakarta. Pengembangan Video Pembelajaran ini dilakukan melalui beberapa tahap pengujian, yaitu pengujian terhadap Ahli Materi, pengujian terhadap Ahli Media, dan pengujian terhadap Responden Siswa. Berdasarkan Hasil Uji Ahli Materi mendapatkan *presentase* 100% yang dimana dikategorikan sangat baik dan Hasil Uji Ahli Media mendapatkan *presentase* 78,4% yang dimana dikategorikan baik. Berdasarkan hasil uji coba menurut 60 siswa, tingkat pemahaman siswa terhadap video pembelajaran mendapatkan *presentase* 82,7% dan tingkat kelayakan produk video pembelajaran mendapat nilai sebesar 83,19% yang dimana dikategorikan sangat baik. Video Pembelajaran yang telah dikembangkan dapat dikatakan sangat baik atau layak digunakan dari segi pemahaman siswa maupun kelayakan produk video pembelajaran dalam Mata Pelajaran Administrasi Server.

Kata Kunci: Video Pembelajaran, DNS Server, Administrasi Server

ABSTRACT

Muhammad Rialdi Destrianto Developing Video Learning For Server Administration Subjects In The Field Of Computer Networking Engineering In SMK 7 Jakarta. Study Program of Education Informatics and Computer, Faculty of Engineering, State University of Jakarta, 2019. The Mentor; Hamidilah Ajie., S.Si., M.T and M. Ficky Duskarnaen, M.Sc.

Server Administration Subjects are subjects that exist in clas XI Vocational High School in the field of expertise in Computer Network Engineering. In this subject, students are expected to be able to understand all the material taught. But of all the material taught, material that is quite a lot of problems is DNS Server materail. Therefore, learning media are developed in the form of video learning with DNS Server material and using Research and Development (R&D) Research Methodhs. The purpose of research is to make video based learning mdeia for class XI in order to provide convience in delivering material on Server Administration Subject in class XI Vocational High School. Development of Video Learning is carried out through several stages of testing, namely testing of Material Experts, testing of Media Experts, and testing of Student Respondents. Based on the Test Results the Materials get a percentage of 100% which is categorized very well and the Test Results of Media Experts get a percentage of 78.4% which is categorized as good. Based on the results of the trial according to 60 students, the level of students' understanding of the learning video received a percentage of 82.7% and the feasibility level of the learning video product was 83.19% which was categorized as very good. Video Learning that have been developed can be said to be very good or feasible to use in terms of student understanding and the feasibility of learning video products in Server Administration Subjects.

Keywords: Video Learning, DNS Server, Server Administration