

ABSTRAK

Wahyu, Wiwit, Setyowati. *Pengaruh Metode Simulasi Berbantu Media VMware Terhadap Hasil Belajar pada Materi Instalasi Sistem Operasi Linux di Kelas X SMKN 1 Labang*. Skripsi, Program Studi Pendidikan Informatika, Program Sarjana Universitas Trunojoyo Madura. Pembimbing: (I) Ariesta Kartika Sari, S.Si., M.Pd., dan (II) Medika Risnasari, S.ST., M.T.

Kata Kunci: *Metode Simulasi, Media VMware, Instalasi Sistem Operasi Linux.*

Guru sekolah masih menggunakan metode ceramah dan praktik dengan hasil belajar siswa tergolong rendah. Penelitian ini bertujuan untuk mengetahui pengaruh metode simulasi berbantu media VMware terhadap hasil belajar pada materi instalasi sistem operasi linux di kelas X SMKN 1 Labang. Peneliti menggunakan metode eksperimen dengan jenis penelitian deskriptif kuantitatif dan *quasi experimental design*. Peneliti menggunakan dua kelas yakni kelas eksperimen dan kelas kontrol. Pada awal penelitian, peneliti melakukan *pretest* terhadap kelompok eksperimen dan kontrol, selanjutnya kelas eksperimen diberikan perlakuan pembelajaran metode simulasi berbantu media VMware. Kemudian diakhir pembelajaran peneliti melakukan *posttest*. Hasil penelitian ini antara lain: (1) Karena nilai Asymp. Sig. (2-tailed) kurang dari 0,05, maka metode simulasi berbantu media VMware berpengaruh terhadap hasil belajar siswa; (2) Keterlaksanaan pembelajaran metode simulasi berbantu media VMware pada materi instalasi sistem operasi linux di kelas X SMKN 1 Labang masuk kategori tinggi; dan (3) Aktivitas belajar siswa selama pembelajaran metode simulasi berbantu media VMware pada materi instalasi sistem operasi linux di kelas X SMKN 1 Labang masuk kategori sangat aktif. Peneliti menyarankan untuk menggunakan metode simulasi berbantu media VMware pada materi instalasi sistem operasi linux, dalam rangka meningkatkan hasil belajar dan minat belajar siswa.

ABSTRACT

Wahyu, Wiwit, Setyowati. *The effect of the Simulation Method of Assisted VMware Media the Learning Outcomes on Linux Operating System Installation Material in the Tenth Grade Students of SMKN 1 Labang*. Thesis, Informatics Education Program, Degree of Strata-1 Program of Trunojoyo Madura University. Advisors: (I) Ariesta Kartika Sari, S.Si., M.Pd., and (II) Medika Risnasari, S.ST., M.T.

Key Word: Simulation Method, VMware Media, Installation of Linux Operating System.

Teachers in the school still use lecture methods and practice with the student's learning outcomes which is classified in low category. This research aims to determine the effect of learning methods of assisted VMware simulation media on linux operating system installation materials in class X SMKN 1 Labang. The researcher used experimental method with quantitative descriptive research and quasi experimental design. The researchers used two classes which consist of experimental class and control class. At the beginning of the study, the researchers conducted a pretest toward the experimental and control group, then the experimental class was given treatment of learning simulation method of VMware media assisted simulation method. Then, at the end of the study, the researchers do posttest. The results of this study include: (1) Because the value of Asymp. Sig. (2-tailed) less than 0.05, the simulation method of assisted VMware media influences student learning outcomes; (2) learning implementation of VMware media assisted simulation method on linux operating system installation material in class X SMKN 1 Labang in high category; and (3) student learning activities during learning simulation methods assisted VMware media on linux operating system installation material in class X SMKN 1 Labang is very good. The researcher suggested to use learning simulation method of assisted VMware media on linux operating system installation material in order to improve learning outcomes and student's learning interest.