

ABSTRAK

PENGARUH VIDEO TUTORIAL TERHADAP HASIL BELAJAR PESERTA DIDIK PADA MATERI PERAKITAN DAN INSTALASI KOMPUTER DI SMK AL-HUDA

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Penelitian ini bertujuan mengetahui pengaruh penggunaan media video tutorial terhadap hasil belajar peserta didik pada materi perakitan dan instalasi komputer di SMK Al-Huda Jati Agung. Penelitian menerapkan model pembelajaran *Direct Instruction* (DI) dengan desain *Pretest-Posttest Equivalent Control Group Design*. Subjek penelitian terdiri atas 62 peserta didik kelas X TJKT yang dibagi menjadi dua kelompok, masing-masing 31 orang. Instrumen berupa 20 soal pilihan ganda untuk ranah kognitif dan lembar praktikum untuk ranah psikomotorik yang telah diuji validitas dan reliabilitas dengan nilai *Cronbach's Alpha* sebesar 0,797 termasuk kategori tinggi. Hasil penelitian menunjukkan adanya peningkatan signifikan pada kelas eksperimen, dengan rata-rata nilai *pretest* 56,94 meningkat menjadi 82,58, sedangkan kelas kontrol meningkat dari 51,61 menjadi 73,06. Nilai rata-rata N-Gain kelas eksperimen sebesar 0,58 termasuk kategori sedang dan kelas kontrol 0,44 kategori sedang. Pada aspek psikomotorik, kelas eksperimen memperoleh rata-rata skor 83,45 sedangkan kelas kontrol 73,68. Hasil uji *independent sample t-test* menunjukkan nilai *Sig. (2-tailed)* sebesar $0,001 < 0,05$, yang berarti terdapat perbedaan signifikan antara kelompok eksperimen dan kontrol. Dapat disimpulkan bahwa media video tutorial berpengaruh terhadap peningkatan hasil belajar kognitif dan psikomotorik peserta didik.

Kata kunci: *direct instruction*, hasil belajar, instalasi komputer, perakitan komputer, video tutorial.

ABSTRACT

THE EFFECT OF VIDEO TUTORIALS ON STUDENTS LEARNING OUTCOMES ON ASSEMBLY MATERIALS AND COMPUTER INSTALLATION AT SMK AL-HUDA

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This study aims to determine the effect of using video tutorials on student learning outcomes in computer assembly and installation at SMK Al-Huda Jati Agung. The study applied the Direct Instruction (DI) learning model with a Pretest-Posttest Equivalent Control Group Design. The research subjects consisted of 62 tenth-grade TJKT students divided into two groups, each with 31 students. The instruments consisted of 20 multiple-choice questions for the cognitive domain and a practicum sheet for the psychomotor domain, which had been tested for validity and reliability with a Cronbach's Alpha value of 0.797, which is considered high. The results showed a significant increase in the experimental class, with a pretest average score of 56.94 increasing to 82.58, while the control class increased from 51.61 to 73.06. The average N-Gain score for the experimental class was 0.58, which is in the moderate category, and for the control class it was 0.44, which is also in the moderate category. In terms of psychomotor skills, the experimental class obtained an average score of 83.45, while the control class obtained 73.68. The results of the independent sample t-test showed a Sig. (2-tailed) value of $0.001 < 0.05$, which means that there was a significant difference between the experimental and control groups. It can be concluded that video tutorial media has an effect on improving the cognitive and psychomotor learning outcomes of students.

Keywords: *computer assembly, computer installation, direct instruction, learning outcomes, video tutorial.*