

Era Kusuma Ningrum. 2023. *Pengaruh Model Contextual Teaching and Learning Berbantuan Media Cisco Packet Tracer Berorientasi Kurikulum Merdeka Terhadap Hasil Belajar Siswa*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRAK

Hasil belajar yang rendah dapat disebabkan oleh ketidaktepatan model pembelajaran yang digunakan. Berdasarkan hasil wawancara dengan guru mata pelajaran DDPK (Dasar-Dasar Program Keahlian) di SMK Al-Hikam, hasil belajar siswa kelas X TJKT masih banyak yang di bawah KKM. Penelitian ini bertujuan untuk mengetahui pengaruh model *Contextual Teaching and Learning* berbantuan media *Cisco Packet Tracer* berorientasi kurikulum merdeka terhadap hasil belajar siswa, beserta aktivitas pelaksanaan pembelajaran. Penelitian ini berjenis kuantitatif dengan *Nonequivalent Control Group Design* dengan populasi 60 siswa, dimana kelas X TJKT 1 sebagai kelas eksperimen dan kelas X TJKT 2 sebagai kelas kontrol. Pengumpulan data berupa instrumen tes hasil belajar, observasi aktivitas guru dan siswa. Berdasarkan hasil penelitian diperoleh, (1) Hasil uji signifikan menyatakan terdapat pengaruh signifikan antara model *Contextual Teaching and Learning* berbantuan media *Cisco Packet Tracer* dengan hasil belajar siswa (ranah kognitif) dengan hasil $t_{hitung} > t_{tabel}$ atau $4,496 > 2,048$, maka H_0 ditolak. (2) Aktivitas guru memperoleh presentase 92,37% berkategori “Sangat Baik” dan aktivitas siswa memperoleh presentase 77,14%, berkategori “Baik”. Jadi, dapat disimpulkan bahwa terdapat pengaruh model *Contextual Teaching and Learning* berbantuan media *Cisco Packet Tracer* berorientasi kurikulum merdeka terhadap hasil belajar siswa.

Kata Kunci: hasil belajar, model *Contextual Teaching and Learning*, *Cisco Packet Tracer*.

Era Kusuma Ningrum. 2023. *The Effect of Cisco Packet Tracer's Media-Assisted Contextual Teaching and Learning Model Oriented to the Independent Curriculum on Student Learning Achievement*. Thesis, Informatics Education Study Program, Faculty of Education, Trunojoyo Madura University. Supervisor : Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRACT

Low learning achievement can be caused by inaccurate learning models used. Based on the results of interviews with teachers of DDPK (Basics of Expertise Program) subjects at SMK Al-Hikam, the learning achievement of class X TJKT students are still under KKM. This study aims to determine the influence of Cisco Packet Tracer-oriented media-assisted Contextual Teaching and Learning model on student learning achievement, along with implementation activities. This research is quantitative type with Nonequivalent Control Group Design with a population of 60 students, where class X TJKT 1 as an experimental class and class X TJKT 2 as a control class. Data collection in the form of learning achievement test instruments, observation of teacher and student activities. Based on the results of the study obtained, (1) Significant test results stated that there was a significant influence between the Cisco Packet Tracer media-assisted Contextual Teaching and Learning model with student learning achievement (cognitive domain) with the results of $t_{table} > \text{or } 4,496 > 2,048$, then H_0 was rejected. (2) Teacher activities obtained a percentage of 92.37% in the "Very Good" category and student activities obtained a percentage of 77.14%, in the "Good" category. So, it can be concluded that there is an influence of the Cisco Packet Tracer-assisted Contextual Teaching and Learning model oriented towards independent curriculum on student learning achievement.

Keywords: *learning achievement, Contextual Teaching and Learning model, Cisco Packet Tracer.*