PENGARUH MODEL *PROJECT BASED E-LEARNING* TERHADAP MOTIVASI BERPRESTASI DAN KETERAMPILAN BERPIKIR KREATIF SISWA DALAM MATA PELAJARAN ADMINISTRASI INFRASTRUKTUR JARINGAN DI SMK

Oleh
Ni Kadek Putri Juliantini, NIM 1829071005
Jurusan Teknologi Pembelajaran

ABSTRAK

Motivasi berprestasi dan keterampilan berpikir kreatif merupakan kompetensi inti yang harus dicapai siswa pada mata pelajaran administrasi infrastruktur jaringan. Penelitian ini bertujuan mendeskripsikan perbedaan motivasi berprestasi dan keterampilan berpikir kreatif siswa antara siswa yang belajar menggunakan model *Project Based E-Learning* dan siswa yang belajar dengan model *Direct E-learning* pada mata pelajaran administrasi infrastruktur jaringan. Penelitian ini adalah *quasi experiment* dengan *pretest-posttest control group design.* Jumlah sampel yang digunakan sebanyak 67 siswa yang diambil berdasarkan hasil *cluster random sampling*, sehingga diperoleh kelas XI TKJ 1 menggunakan model *Project Based E-Learning* dan XI TKJ 2 menggunakan model *Direct E-Learning.* Penelitian ini menggunakan dua istrumen yaitu angket motivasi berprestasi dan tes keterampilan berpikir kreatif. Analisis data yang digunakan adalah *Multivariate Analysis of Covariate* (*Mancova)* dengan pengujian hipotesis menggunakan taraf signifikansi 0,05. Hasil penelitian menunjukkan bahwa (1) terdapat berpedaan keterampilan berpikir kreatif dan motivasi berprestasi antara yang belajar dengan menggunakan model *Project Based E-Learning* dan siswa yang menggunakan model *Direct E-learning*; (2) Tidak terdapat perbedaan motivasi berprestasi antara siswa yang mengikuti pembelajaran dengan menggunakan model project based e-learning dengan siswa yang mengikuti pembelajaran dengan menerapkan model *direct e-learning*; (3) Terdapat perbedaan keterampilan berpikir kreatif antara siswa yang mengikuti pembelajaran dengan menerapkan model project based e-learning dengan siswa yang mengikiti pembelajaran dengan menerapkan model *direct e-learning*. Dapat disimpulkan, bahwa terdapat perbedaan yang signifikan pernerapan model *Project Based E-learning* terhadap motivasi berprestasi dan keterampilan berpikir kreatif.

Kata kunci : *Project Based E-learning*, Motivasi Berprestasi, Keterampilan Berpikir Kreatif

THE EFFECT OF PROJECT BASED E-LEARNING MODEL ON ACHIEVEMENT MOTIVATION AND CREATIVE THINKING SKILLS OF STUDENTS IN NETWORK INFRASTRUCTURE ADMINISTRATION LESSONS IN SMK

By

Ni Kadek Putri Juliantini, NIM 1829071005
Instructional Technology Department

ABSTRACT

Achievement motivation and creative thinking skills are core competencies that students must achieve in network infrastructure administration subjects. This study aims to describe the differences in achievement motivation and creative thinking skills of students between students who learn to use the Project Based E-Learning model and students who study using the Direct E-learning in the subject of network infrastructure administration. This study is a quasi-experimental with a pretest-posttest control group design. The number of samples used was 67 students who were taken based on the results of cluster random sampling, so that class XI TKJ 1 used the Project Based E-Learning model and XI TKJ 2 used the Direct E-Learning model. This research uses two instruments, namely achievement motivation questionnaire and creative thinking skills test. Analysis of the data used is Multivariate Analysis of Covariate (Mancova) with hypothesis testing using a significance level of 0.05. The results showed that (1) there were differences in creative thinking skills and achievement motivation between those who studied using the Project Based E-Learning model and students who used the Direct E-learning; (2) There was no differences in achievement motivation between students who take part in learning using the project based e-learning model and students who take part in learning by applying the direct e-learning; (3) There are differences in creative thinking skills between students who take part in learning by applying the project based e-learning model and students who participate in learning by applying the direct e-learning. It can be concluded that there is a significant difference in the application of the Project Based E-learning to achievement motivation and creative thinking skills.

Keywords: Project Based E-Learning, Achievement Motivation, Creative Thinking Skills