PENGEMBANGAN MEDIA PEMBELAJARAN *E-LEARNING* MODEL *BLENDED LEARNING* BERBANTUAN *SCHOOLOGY* MATA PELAJARAN ADMINISTRASI INFRASTRUKTUR JARINGAN KELAS XI DI SMK TI BALI GLOBAL SINGARAJA

Oleh

I Gusti Ayu Wandi Septiari, NIM 1615051001
Program Studi Pendidikan Teknik Informatika
Jurusan Teknik Informatika
Fakultas Teknik dan Kejuruan
Universitas Pendidikan Ganesha
Email: ayu.wandi.septiari@undiksha.ac.id

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan dan mengimplementasikan media pembelajaran *e-learning* serta untuk mengetahui respon guru dan peserta didik terhadap Pengembangan Media Pembelajara *E-Learning* Model *Blended Learning* Berbantuan *Schoology* Mata Pelajaran Administrasi Infastruktur Jaringan Kelas XI di SMK TI Bali Global Singaraja. Subjek penelitian ini yaitu peserta didik kelas XI Teknik Komputer dan Jaringan tahun ajaran 2019/2020 yang berjumlah 16 orang dan seorang guru yang mengajar mata pelajaran Administrasi Infrastruktur Jaringan di SMK TI Bali Global Singaraja. Jenis penelitian yang digunakan adalah Penelitian dan Pengembangan (R & D) dengan model pengembangan ADDIE. Data penelitian dikumpulkan dengan menggunakan instrumen angket. Hasil penelitian menunjukkan bahwa: implementasi pengembangan media *e-learning* yang dikembangkan telah memenuhi kriteria kualitas media pembelajaran berdasarkan dari kevalidan *(validity)* diperoleh dari hasil uji ahli dengan rata-rata penilain sebesar 1.00 termasuk pada kriteria "Sangat Valid", keefektifan *(effectiveness)* diperoleh dari hasil pengujian efektivitas dengan perhitungan *N-Gain* memperoleh koefesien nilai sebesar 0.84 termasuk pada kriteria "Efektif", dan kepraktisan *(practically)* diperoleh dari hasil analisis data respon guru dengan nilai sebesar 43 termasuk pada kriteria "Sangat Praktis", dan untuk respon peserta didik memperoleh penilaian rata-rata sebesar 62.69 termasuk pada kriteria"Sangat Praktis".

Kata kunci: Media *E-learning*, *blended learning,* administrasi infrastruktur jaringan, ADDIE

DEVELOPMENT OF LEARNING MEDIA WITH MODEL BLENDED LEARNING THAT ASSISTED BY SCHOOLOGY IN NETWORK INFRASTRUCTURE ADMINISTRATION LESSONS OF CLASS XI OF COMPUTER AND NETWORK ENGINEERING IN SMK IT BALI GLOBAL SINGARAJA

By

I Gusti Ayu Wandi Septiari, NIM 1615051001

Education of Informatics Engineering Study Program

Mejoring in Education of Informatics Engineering

Faculty of Engineering and Vocational

Ganesha University of Education

Email: ayu.wandi.septiari@undiksha.ac.id

ABSTRACT

The aims of this research are to be able to develop and implement the media e-learning and to find out the teacher's and students' responses to the Development of E-Learning Media Witch a Models from Blended Learning in network infrastructure administration lessons of class XI of computer and network engineering in SMK IT Bali Global Singaraja. The subjects of this research were students of class XI in Computer and Network Engineering in the academic year 2019/ 2020 with 16 students and a teacher who teach an network infrastructure administration at SMK IT Bali Global Singaraja. This research is used Research and Development (R&D) with the ADDIE development model. The data were collected by using a questionnaire instrument. The results showed that: the implementation of the developed e-learning media met the quality criteria of learning media based on validity that had been obtained from the results of expert tests with an average rating of 1.00 including the criteria of "Very Valid", the effectiveness was obtained from the results of testing the effectiveness of the N-Gain calculation to obtained a coefficient of 0.84 including the criteria "Effective", and practicality that got from the analysis of teacher data, with a value of 43 including the criteria "Very Practical", and for Student responses obtained an average rating of 62.69 including the criteria "Very Practical".

Keyword: E-learning Media, blended learning, network infrastructure administration, ADDIE