

ABSTRAK

Abdul Azis Mubarak. **Pengembangan Pembelajaran *E-Learning* Mata Kuliah PTM/Jalan Raya di Program Studi Pendidikan Vokasional Konstruksi Bangunan Fakultas Teknik Universitas Negeri Jakarta.** Skripsi. Jakarta: Program Studi Pendidikan Vokasional Konstruksi Bangunan, Fakultas Teknik, Universitas Negeri Jakarta.2018

Penelitian ini merupakan penelitian pengembangan yang bertujuan untuk mengembangkan pembelajaran khususnya dalam bentuk *E-Learning* pada mata kuliah PTM/Jalan Raya.

Penelitian pengembangan ini merupakan metode penelitian *Research and Development* dengan model penelitian Borg and Gall. Penelitian ini pada dasarnya dilakukan melalui lima tahap utama, yaitu Penelitian dan pengumpulan informasi (*Research and Information Collecting*), Perencanaan (*planning*), pengembangan bentuk awal produk (*develop preliminary form of product*), uji lapangan dan revisi produk (*field testing and product revision*), revisi produk akhir (*final product revision*) dan proses penyebaran dan impementasi (*disseminate and implementation*). Penelitian ini sampai tahap Revisi produk akhir karena hanya mengembangkan pembelajaran *E-Learning*. Penelitian ini menggunakan angket sebagai alat untuk menguji kelayakan melalui validasi ahli instruksional, ahli media dan ahli materi serta melihat tanggapan dari mahasiswa.

Hasil pengembangan didapatkan produk pembelajaran *E-Learning* Penilaian oleh dosen ahli instruksional menggunakan skala *likert* skor 1-4 mendapatkan nilai 2,5 yang dikategorikan “layak”. Penilaian oleh dosen ahli media dan ahli materi menggunakan skala *guttman* skor 0-1 mendapatkan nilai 0,83 yang dikategorikan “layak” untuk penilaian ahli media. Penilaian dosen ahli materi mendapatkan nilai 0,86 yang dikategorikan “layak”.

Kata kunci: Desain instruksional, *e-learning*, PTM/Jalan Raya,

ABSTRACT

Abdul Azis Mubarak. *Development of E-Learning for PTM / Highway Courses in Vocational Education Study Program for Building Construction, Faculty of Engineering, Jakarta State University. Essay. Jakarta: Study Program of Vocational Education in Building Construction, Faculty of Engineering, Stat University of Jakarta, 2018*

This research is a development research that aims to develop learning especially in the form of E-Learning in PTM / highway courses.

This development research is a Research and Development research method with Borg and Gall research model. This research is basically carried out through five main stages, namely Research and information gathering (Research and Information Collecting), planning, developing preliminary form of product, field testing and product revision (field testing and product revision), final product revision and disseminate and implementation processes. This research is only up to the Revision of the final product because it only reaches the development of E-Learning learning. This study uses a questionnaire as a tool to test the feasibility through validation of instructional experts, media experts and material experts and see respon from student

The results of the development obtained E-Learning learning assessment products by instructional expert lecturers using a Likert scale score 1-4 get a score of 2.5 which is categorized as "feasible". Assessment by media expert lecturers and material experts using the Guttman scale score of 0-1 gets a value of 0.83 which is categorized as "feasible" for the assessment of media experts. The assessment of material expert lecturers gets a value of 0.86 which is categorized as "feasible".

Keywords: Instructional design, e-learning, PTM/highway.