

ABSTRAK

Helmi Achmad Fauzi K1514063. **PENGEMBANGAN MEDIA PEMBELAJARAN *E-VOCATIONAL* MATA KULIAH PROGRAM CAD 2D PADA MATERI POTONGAN DENAH RUMAH TINGGAL.**

Skripsi, Surakarta: Fakultas Keguruan dan Ilmu Pendidikan Universitas Sebelas Maret, Januari 2019.

Tujuan pengembangan media pembelajaran *E-vocational* mata kuliah Program CAD 2D pada materi potongan denah rumah tinggal adalah (1) Mengembangkan *E-Vocational* berbasis video tutorial sebagai sarana pembelajaran Mata Kuliah Program CAD 2D menjadi lebih baik. (2) Mengetahui tingkat kelayakan *E-Vocational* berbasis video tutorial Mata Kuliah Program CAD 2D pada materi potongan denah rumah tinggal.

Penelitian ini menggunakan metode *research and development* dengan melakukan pengembangan pada media pembelajaran *E-vocational*. Adapun tahap pengembangan pada media pembelajaran ini (1) Tahap Studi Pendahuluan: Studi literatur dan studi lapangan. (2) Tahap pengembangan media: penyusunan desain model *E-vocational*, validasi tim ahli, uji kelayakan pada kelompok kecil dan kelompok besar. (3) Tahap evaluasi merupakan tahap akhir dari proses pengembangan terkait model *final* media pembelajaran *E-Vocational*.

Hasil penelitian sebagai berikut, (1) Pengembangan *E-vocational* sebagai media pembelajaran berupa penggabungan beberapa teks, gambar, dan video menjadi satu kesatuan kerja yang menghasilkan suatu informasi dengan materi yang telah disesuaikan dengan RPS Mata Kuliah Program CAD 2D dengan materi menggambar potongan denah rumah tinggal. (2) Uji validasi dari ahli materi sebesar 95%, termasuk sangat layak. Uji validasi dari ahli media sebesar 85% termasuk sangat layak. Uji validasi dari ahli pembelajaran sebesar 96% termasuk sangat layak. Uji mahasiswa skala kecil sebesar 82,50% termasuk sangat layak. Uji mahasiswa skala besar sebesar 77,71% termasuk layak.

Kata Kunci: Media, Pembelajaran, Program CAD 2D, *E-vocational*

ABSTRACT

Helmi Achmad Fauzi K1514036. THE DEVELOPMENT OF E-VOCATIONAL LEARNING MEDIA FOR THE PROGRAM CAD 2D COURSES IN THE MATERIAL OF IMAGE CUTS OF HOUSE.

Research Paper, Surakarta: Faculty of Teacher Training and Education of Sebelas Maret University, January 2019.

The purpose development of E-vocational learning media for the program 2D CAD courses in the material of image cuts of house is (1) to develop E-vocational learning media as a tool for the program CAD 2D for the better (2) to knowing the level of feasibility of E-vocational learning media for the program 2D CAD courses in the material of image cuts of house.

This study used Research and Development method by developing on E-vocational learning media. There were stages of development (1) pre-production stage: Literature studies and field studies. (2) Production stage : Designing an E-vocational model, validation from professional team, feasibility tests in small and large groups (3) The evaluation stage was the last stage of the process of the development related to the final model E-Vocational learning media. The result of study were followed: (1) The Development of E-vocational learning media by combining several texts, images, and videos into one work unit that produced an information with material that has been adapted to lesson plan (RPS) for the program 2D CAD courses in the material of image cuts of house (2) the validity test of material experts is 95%, including very decent. the validity test of expert judgment is 85% including very decent. the validity test of study experts is 96% including very decent. the validity test of small scale students is 82,50% including very decent. the validity test of large scale students experts is 77,71% including decent.

Keywords: *Media, Learning, 2D CAD Program, E-Vocational*