ABSTRAK

Chintya Adeliana Hernasari, *Pengembangan Media Pembelajaran Multimedia Interaktif Berbasis Website pada Mata Pelajaran Dasar Listrik dan Elektronika Kelas X Teknik Audio Video di SMKN 7 Bekasi.* Skripsi. Jakarta. Program Studi Pendidikan Teknik Elektronika, Fakultas Teknik, Universitas Negeri Jakarta, 2019. Dosen Pembimbing : Dr. Moch. Sukardjo, M.Pd dan Diat Nurhidayat, MT.I.

Penelitian ini bertujuan untuk mengembangan media pembelajaran multimedia interaktif berbasis website pada mata pelajaran Dasar Listrik dan Elektronika Kelas X Teknik Audio Video di SMKN 7 Bekasi dan mengetahui tingkat kelayakan berdasarkan penilaian ahli materi, ahli media dan para siswa. Penelitian menggunakan metode *Research and Development* yang dimodifikasi oleh peneliti sesuai kebutuhan yang dibatasi sampai tahap uji coba. Pembuatan situs web menggunakan *Joomla*, serta pembuatan setiap materi menggunakan *Adobe Flash Professional CS6*, *Ms. Power Point* dan *Youtube.* Tahap validasi media pembelajaran dengan menggunakan kuesioner serta dilakukan pengambilan data melalui pre-test dan post-test. Data hasil penelitian diolah menggunakan teknik deskriptif kuantitatif. Hasil penelitian menunjukkan bahwa tingkatt kelayakan media pembelajaran berbasis website pada mata pelajaran Dasar Listrik dan Elektronika berdasarkan: (1) Ahli Materi diperoleh persentase 91,25% yang berada pada kategori **Sangat Layak**; (2) Ahli Media diperoleh persentase 91,17% yang berada pada kategori **Sangat Layak**; (3) Siswa diperoleh persentase 86,02% yang berada pada kategori **Layak** dan didukung dengan perbandingan hasil pre-test serta post-test. Sehingga dapat disimpulkan bahwa pengembangan media pembelajaran berbasis website yang dibuat sangat layak pada mata pelajaran Dasar Listrik dan Elektronika.

Kata kunci : media pembelajaran, website, dasar elektronika, joomla

ABSTRACT

Chintya Adeliana Hernasari, *Development of Website-Based Interactive Multimedia Learning Media on the Basic Electrical and Electronics Subjects for Class X of Audio Video Engineering at SMKN 7 Bekasi. Essay or minithesis for Bachelor Degree. Ed. Electronics Engineering, Faculty of Engineering, Universitas Negeri Jakarta, 2019. Supervised by* Dr. Moch. Sukardjo, M.Pd. *and* Diat Nurhidayat, MT.I.

This study aims to develop a website-based interactive multimedia learning media in the Basic of Electrical and Electronics Subjects Class X of Audio Video Engineering in SMKN 7 Bekasi and to determine the level of feasibility based on the assessment of material experts, media experts and students. This study used the Research and Development method which is modified by reasearchers according to the needs based on trial stage. The website made by using Joomla, as well as making each material using Adobe Flash Proffesional CS6, Ms. Power Point and Youtube. The validation stage of learning media is using a questionnaire and data retrieval done through by pre-test and post-test. The data from this research result were processed using quantitative descriptive techniques. The results of the research indicate that the level of feasibility of website-based learning media in Basic Electrical and Electronics subjects is based on : (1) Material experts obtained a percentage of 91,25% which is in the Very Decent category; (2) Media experts obtained a percentage of 91,17% which is in the Very Decent category; (3) Students obtained a percentage of 86,02% in the Decent category and supported by a comparison of the results of the pre-test and post-test. So that it can be concluded that the development of website-based learning media that is made very feasible in Basic Electrical and Electronics subjects.

Keyword: Learning Media, Website, Basic Electronics Subjects, joomla