

ABSTRAK

Salah satu mata kuliah wajib yang harus di tempuh adalah Kerja praktik industri di Prodi Pendidikan Informatika Universitas Trunojoyo Madura. Mata kuliah kerja praktik industri saat ini belum terlaksana, kerja praktik industri nantinya akan di tempuh oleh mahasiswa semester 7 program studi pendidikan informatika selama 3 minggu (minimal 15hari) di instansi. Hasil dari wawancara kepada kaprodi dalam kerja praktik industri sendiri terdapat pendaftaran, presensi, penilaian, surat rekomendasi untuk instansi, dan *draf* penulisn laporan. Dari permasalahan tersebut maka penulis melakukan penelitian pengembangan Sistem Informasi Mahasiswa Kerja Praktik Industri Program Studi Pendidikan Informatika Berbasis Web untuk mempermudah proses pelayanan administrasi yang terkomputerisasi serta dapat diakses dimanapun dan kapanpun. Sistem ini dikembangkan dengan model *waterfall*, terdiri dari analisis, desain, pengkodean dan pengujian. Hasil pengujian aspek *functionality* 100% atau dikategorikan sangat layak, aspek *reliability* mendapatkan nilai sebesar 90,5% dikategorikan sangat layak, aspek *usability* mendapatkan nilai 90,86% atau dikategorikan sangat layak, dan aspek *efficiency* mendapatkan nilai akhir *PageSpeed Score* sebesar 68% atau dikategorikan “Layak”, *Yslow Score* sebesar 81% atau dikategorikan “Layak”. Hasil *Loaded Time* adalah 2s, sehingga dapat disimpulkan bahwa produk yang telah dikembangkan telah memenuhi karakteristik aspek *efficiency*.

Kata Kunci : *Sistem Informasi, Kerja Praktik Industri, Pendidikan Informatika, Web*

ABSTRACT

One of the compulsory subjects that must be taken is industrial practice work in the Informatics Education Study Program at the University of Trunojoyo Madura. The current industrial practice work course has not yet been implemented, industrial practice work will be carried out by the 7th-semester informatics education program for 3 weeks (minimum 15 days) in the institution. Results from interviews with study programs in their own industrial practice work there are registration, attendance, assessment, recommendation letters for agencies, and draft reports. From these problems, the authors conducted a study of the development of the Student Information Systems Industrial Practice Work Web-Based Informatics Education Study Program to simplify the process of computerized administrative services and can be accessed wherever and whenever. This system was developed with the waterfall model, consisting of analysis, design, coding, and testing. The results of testing aspects of functionality 100% or categorized as very feasible, reliability aspects get a value of 90.5% categorized as very feasible, usability aspects get a value of 90.86% or categorized as very feasible, and efficiency aspects get the final value of PageSpeed Score 68% or categorized "Eligible", Yslow Score is 81%. or categorized as "Eligible". The Loaded Time result is 2s, so it can be concluded that the product that has been developed has met the efficiency aspect characteristics.

Keywords: *Information Systems, Practice Work Industrial, Education Informatics, Web*