

Diah Octavia, 2024. *Pengembangan Sistem Informasi Perwalian Mahasiswa Berbasis WEB di Program Studi Pendidikan Informatika*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing Medika Risnasari, S.ST., M.T.

ABSTRAK

Perwalian merupakan kegiatan konsultasi antara mahasiswa dan dosen, dalam bidang akademik maupun non-akademik untuk menunjang keberhasilan studi dan perkembangan mahasiswa. Akan tetapi, dalam pelaksanaan kegiatan perwalian di program studi pendidikan informatika belum terdapat sistem informasi yang terkomputerisasi untuk memfasilitasi kegiatan perwalian. Dalam pelaksanaan kegiatan perwalian yang masih *offline* dan pengarsipan dokumen perwalian masih dalam bentuk kertas sehingga seringkali hilang. Karena itu, penelitian ini bertujuan untuk menghasilkan sistem informasi perwalian mahasiswa berbasis web pada program studi pendidikan informatika. Sistem informasi ini dikembangkan berdasarkan analisis kebutuhan pengguna di program studi pendidikan informatika dilengkapi fitur layanan bimbingan, pengarsipan dan fitur informasi mahasiswa yang dikemas dalam menu beasiswa, menu prestasi, menu mata kuliah tanggungan, menu detail mahasiswa yang berisi biodata, menu MBKM dan grafik nilai mahasiswa. Penelitian ini menggunakan model penelitian *waterfall* yaitu: analisis kebutuhan perangkat lunak, desain, pengkodean dan pengujian. Data hasil uji coba ahli sistem informasi diperoleh persentase 100% untuk aspek *functional suitability* dengan kategori “sangat layak” dan diperoleh persentase 92% untuk aspek *usability* dari uji coba pengguna dengan kategori “sangat layak”. Hasil dari pengujian *reliability* diperoleh persentase 100% menggunakan *software* WAPT. Berdasarkan hasil tersebut, maka sistem informasi perwalian ini sangat layak untuk digunakan dalam kegiatan perwalian di Program studi Pendidikan Informatika.

Kata Kunci : Perwalian, Sistem Informasi, *Waterfall*, Web.

Diah Octavia, 2024. Development of a WEB-Based Student Trust Information System in the Informatics Education Study Program. Thesis, Informatics Education Study Program, Faculty of Education, Trunojoyo University Madura. Supervisor Lecturer Medika Risnasari, S.ST., M.T.

ABSTRACT

Guardianship is a consultation activity between students and lecturers, in the academic and non-academic fields to support the success of students' studies and development. However, in implementing guardianship activities in the informatics education study program there is no computerized information system to facilitate guardianship activities. In carrying out guardianship activities which are still offline and archiving guardianship documents are still in paper form so they are often lost. Therefore, this research aims to produce a web-based student guardianship information system in the informatics education study program. This information system was developed based on an analysis of user needs in the informatics education study program, equipped with guidance service features, archiving and student information features which are packaged in a scholarship menu, achievement menu, dependent subject menu, student details menu containing biodata, MBKM menu and student grade graphs . This research uses the waterfall research model, namely: software requirements analysis, design, coding and testing. Data obtained from information system expert trials obtained a percentage of 100% for the functional suitability aspect in the "very feasible" category and a percentage of 92% was obtained for the usability aspect from user trials in the "very feasible" category. The results of reliability testing obtained a percentage of 100% using WAPT software. Based on these results, this guardianship information system is very suitable for use in guardianship activities in the Informatics Education study program.

Keywords: Information Systems, Trusteeship, Waterfall, Web.