

NASYATH FAYKAR, 21.230.0194

**IMPLEMENTASI SISTEM INFORMASI UNTUK MANAJEMEN
PRAKERIN SISWA SMK BERBASIS WEBSITE DI INSTITUT WIDYA
PRATAMA PEKALONGAN**, di bawah bimbingan Eko Budi Susanto, M.Kom.,
dan Bambang Ismanto, M.Kom.

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ABSTRAK

Institut Widya Pratama sebagai instansi yang memberikan program Praktik Kerja Industri (Prakerin) bagi siswa SMK menghadapi permasalahan dalam pengelolaan data Praktik Kerja Industri (Prakerin) siswa SMK yang masih dilakukan secara manual menggunakan formulir kertas. Proses manual ini mengakibatkan kesulitan dalam pengelolaan informasi, potensi misinformasi antar unit, dan risiko kehilangan data. Untuk mengatasi permasalahan ini, dikembangkan Portal Prakerin SMK berbasis website. Sistem ini dibangun menggunakan metode waterfall dengan bantuan Unified Modeling Language (UML) untuk perancangan. Hasil pengujian User Acceptance Test (UAT) menunjukkan bahwa pimpinan unit dan asisten merasa sistem ini memiliki tampilan modern dan memudahkan mereka dalam pengelolaan Prakerin. Pengujian black box dan white box juga menunjukkan bahwa sistem berfungsi sesuai harapan dengan tingkat kesalahan sintaks yang rendah dan perilaku yang dapat diprediksi. Dengan implementasi Portal Prakerin SMK, diharapkan proses pencatatan data siswa Prakerin dapat dipermudah, risiko misinformasi antar unit dapat diminimalisir, dan kemudahan pengelolaan Prakerin di Institut Widya Pratama dapat ditingkatkan. Saran pengembangan lebih lanjut meliputi penambahan fitur manajemen jadwal kegiatan pemateri serta download materinya dan fitur presensi kehadiran untuk meningkatkan fungsionalitas dan kemudahan kegiatan Prakerin.

Kata Kunci : Sistem Informasi Manajemen Prakerin, Portal Prakerin, Laman Web

NASYATH FAYKAR, 21.230.0194

IMPLEMENTATION OF INFORMATION SYSTEM FOR VOCATIONAL STUDENTS INTERNSHIP MANAGEMENT AT WIDYA PRATAMA INSTITUTE PEKALONGAN, *under the guidance of Eko Budi Susanto, M.Kom., and Bambang Ismanto, M.Kom.*

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ABSTRACT

Institut Widya Pratama as the agency of internship vocational high school program, faced challenges in managing data of the Internship program in vocational high school students, which was still being done manually using paper forms. This manual process resulted in difficulties in information management, potential misinformation between units, and the risk of data loss. To address these issues, a website-based Vocational High School Internship Portal was developed. This system was built using the waterfall development method with the aid of Unified Modeling Language (UML) for design. The results of the User Acceptance Test (UAT) showed that unit leaders and assistants found the system to have a modern interface and facilitate their internship data management. Black box and white box testing also demonstrated that the system functioned as expected with a relatively low syntax error rate and predictable behavior. With the implementation of the Vocational High School Internship Portal, it is expected that the internship student data recording process can be simplified, the risk of misinformation between units can be minimized, and the convenience of internship data management at Institut Widya Pratama can be improved. Further development suggestions include adding a feature for managing speaker activity schedules and material downloads, as well as an attendance feature to enhance the functionality and ease of internship activities.

Keywords : *Internship Management Information System, Internship Portal, Website*