

RANCANG BANGUN *INSTITUSIONAL SUPPORT SYSTEM* MERDEKA BELAJAR KAMPUS MERDEKA MENGUNAKAN PHP DENGAN *FRAMEWORK* *CODEIGNITER* DAN *MYSQL*

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ABSTRAK

Penelitian ini bertujuan untuk merancang dan membangun sistem informasi Merdeka Belajar Kampus Merdeka (MBKM) berbasis web di Universitas Panca Marga guna mempermudah proses pengelolaan data dan informasi terkait pelaksanaan program MBKM. Sistem ini dikembangkan menggunakan *framework codeigniter* dan pendekatan arsitektur *Model-View-Controller* (MVC) untuk menghasilkan struktur kode yang terorganisir, efisien, dan mudah dipelihara. Dalam proses pengembangan, digunakan pemodelan *Unified Modeling Language* (UML) seperti *Use Case Diagram* dan *Activity Diagram* untuk menggambarkan fungsionalitas sistem dari berbagai aktor yang terlibat, yaitu Admin, Fakultas, Prodi, Mitra, Koordinator PT, Dosen Pembimbing, Mahasiswa UPM, dan Mahasiswa Aktif MBKM. Sistem ini menyediakan fitur-fitur utama seperti manajemen pengguna, pengajuan pendaftaran MBKM, *monitoring* mahasiswa aktif, penilaian kegiatan, pengelolaan data mitra, serta publikasi pengumuman. Pengujian sistem dilakukan menggunakan metode *Black Box Testing* dan *User Acceptance Testing* (UAT). Hasil pengujian menunjukkan bahwa seluruh fitur berjalan dengan baik sesuai kebutuhan pengguna dan memberikan tingkat kepuasan yang tinggi, dengan persentase UAT sebesar 84,4%. Dengan demikian, sistem informasi ini dinilai mampu membantu mempercepat proses administrasi dan koordinasi antar pihak yang terlibat dalam kegiatan MBKM, serta memberikan kontribusi terhadap efektivitas dan efisiensi layanan kemahasiswaan dan hubungan mitra di lingkungan kampus.

Kata Kunci : Sistem Informasi, MBKM, Web, CodeIgniter, UML.

INSTITUTIONAL SUPPORT SYSTEM DESIGN FOR INDEPENDENT LEARNING INDEPENDENT CAMPUS USING PHP WITH CODEIGNITER AND MYSQL FRAMEWORK

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ABSTRACT

This study aims to design and develop a web-based Merdeka Belajar Kampus Merdeka (MBKM) information system at Universitas Panca Marga to streamline the management of data and information related to the implementation of MBKM programs. The system was developed using the CodeIgniter framework and the Model-View-Controller (MVC) architecture to ensure an organized, efficient, and maintainable code structure. During the development process, Unified Modeling Language (UML) tools such as Use Case Diagrams and Activity Diagrams were used to illustrate system functionality involving various actors, including Admin, Faculty, Study Program, Partner, University Coordinator, Academic Advisor, UPM Student, and Active MBKM Student. The system includes key features such as user management, MBKM registration submission, active student monitoring, activity assessment, partner data management, and program announcements. System testing was carried out using Black Box Testing and User Acceptance Testing (UAT) methods. The results indicate that all features function properly according to user requirements and yield a high level of satisfaction, with a UAT score of 84.4%. Therefore, this information system is considered effective in accelerating administrative processes and coordination among stakeholders in MBKM activities, as well as contributing to the overall efficiency and effectiveness of student affairs and partner collaboration within the university environment.

Keywords : Information System, MBKM, Web, CodeIgniter, UML.