PENGEMBANGAN SISTEM INFORMASI PENGELOLAAN DATA MEMBER GYM BERBASIS WEB MENGGUNAKAN APLIKASI (SISTEM INFORMASI BULL GYM) PADA BULL GYM PEKALONGAN

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ABSTRAK

Bull Gym merupakan salah satu pusat kebugaran di Kota Pekalongan yang dalam kegiatan operasionalnya masih menggunakan sistem pencatatan manual, khususnya dalam pengelolaan data keanggotaan, pembayaran, masa aktif member, serta presensi personal trainer. Kondisi tersebut berpotensi menimbulkan berbagai permasalahan, seperti kesalahan pencatatan, keterlambatan pengolahan data, dan kesulitan dalam pembuatan laporan. Oleh karena itu, penelitian ini bertujuan untuk merancang dan membangun Sistem Informasi Bull Gym guna meningkatkan efisiensi dan akurasi pengelolaan operasional gym. Metode pengembangan sistem yang digunakan adalah waterfall, yang meliputi tahapan analisis kebutuhan, perancangan sistem, implementasi, dan pengujian. Pengumpulan data dilakukan melalui observasi dan wawancara dengan pemilik Bull Gym yang sekaligus berperan sebagai admin sistem. Sistem dikembangkan menggunakan framework CodeIgniter 4 dengan basis data MySQL serta dilengkapi fitur pengelolaan data member bulanan dan harian, jenis paket, personal trainer, presensi trainer, serta laporan pemasukan harian dan bulanan. Pengujian sistem dilakukan menggunakan pengujian Graphical User Interface (GUI) dan User Acceptance Test (UAT). Hasil pengujian menunjukkan bahwa sistem berjalan dengan baik, mudah digunakan, dan telah sesuai dengan kebutuhan operasional Bull Gym, sehingga layak untuk diterapkan dalam mendukung kegiatan administrasi gym.

***Kata Kunci:** Sistem Informasi, Gym, MySQL, CodeIgniter 4, Waterfall*

Development of a Web-Based Gym Member Data Management Information System Using the SIBULL Application (Bull Gym Information System) at Bull Gym Pekalongan

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ABSTRACT

Bull Gym is a fitness center in Pekalongan City that still uses a manual recording system in its operational activities, especially in managing membership data, payments, member active periods, and personal trainer attendance. This condition has the potential to cause various problems, such as recording errors, delays in data processing, and difficulties in reporting. Therefore, this study aims to design and build a Bull Gym Information System to improve the efficiency and accuracy of gym operational management. The system development method used is the waterfall, which includes the stages of needs analysis, system design, implementation, and testing. Data collection was carried out through observation and interviews with the Bull Gym owner who also acts as a system admin. The system was developed using the CodeIgniter 4 framework with a MySQL database and is equipped with features for managing monthly and daily member data, package types, personal trainers, trainer attendance, and daily and monthly income reports. System testing was carried out using Graphical User Interface (GUI) testing and User Acceptance Test (UAT). The test results show that the system runs well, is easy to use, and is in accordance with Bull Gym's operational needs, making it suitable for implementation in supporting gym administration activities.

Keywords: Information System, Gym, MySQL, CodeIgniter 4, Waterfall