

ERLANGGA PRIYAMBODO, 18.110.0017

SISTEM INFORMASI PERPUSTAKAAN DI SMP-IT ASSALAAM PEKALONGAN, dibawah bimbingan Devi Sugianti, S.Kom., M.Kom. dan Agus Ilyas, S.Kom., M.Kom.

99 + xiv halaman / 60 gambar / 23 tabel / 4 lampiran / 18 pustaka (2010 – 2022)

ABSTRAK

SMP-IT Assalaam Pekalongan memiliki perpustakaan dengan koleksi litetatur berjumlah sekitar 2700, dimana perpustakaan ini juga mengelola data pustaka dan pelayanan seperti peminjaman dan pengembalian buku, pembuatan kartu anggota, dan pembuatan label buku. Terdapat permasalahan pada pengelolaan yang dilakukan yaitu pencarian data buku, pencatatan peminjaman dan pengembalian, serta perhitungan denda yang cukup lama diproses. Sehingga dibangun sistem informasi perpustakaan menggunakan metode pengembangan sistem Waterfall melalui beberapa tahapan diantaranya adalah Definisi Kebutuhan, Perancangan Sistem dan Perangkat Lunak, Implementasi dan Pengujian Unit, Integrasi dan Pengujian Sistem, serta Operasi dan Pemeliharaan. Sistem dirancang menggunakan alat bantu pengembangan Unified Modeling Language (UML) dan Lembar Kerja Tampilan (LKT). Sistem dibangun menggunakan framework codeIgniter dan database MySQL. Hasil pengujian menggunakan metode Graphical User Interface (GUI) dan User Acceptance Test (UAT) menunjukkan bahwa fungsional tampilan maupun komponen dari sistem yang telah dibangun sudah sesuai dengan rancangan yang telah dibangun, serta spesifikasi sistem sudah sesuai dengan kebutuhan dari pengguna akhir, dimana sistem dapat membantu pengelola dan petugas dalam proses pelabelan buku secara otomatis, membantu proses pengecekan kepemilikan kartu anggota, dan membantu proses pencatatan peminjaman maupun pengembalian buku, serta membantu siswa dalam proses pencarian data buku. Namun sistem sebaiknya dikembangkan menjadi aplikasi berbasis mobile sehingga segala sesuatunya lebih mudah dilakukan.

Kata Kunci : *Sistem, Informasi, Perpustakaan, SMP*

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LIBRARY INFORMATION SYSTEM IN ASSALAAM IT JUNIOR HIGH SCHOOL OF PEKALONGAN, under guidance of Devi Sugianti, S.Kom., M.Kom. dan Agus Ilyas, S.Kom., M.Kom.

99 + xiv pages / 60 images / 23 tables / 4 attachments / 18 libraries (2010 – 2022)

ABSTRACT

Integrated islamic junior high school Assalaam Pekalongan has a library with a collection of about 2,700 literature, where this library also manages library data and services such as borrowing and returning books, making membership cards, and making book labels. There are problems with the management carried out, namely searching for book data, recording loans and returns, and calculating fines which takes quite a long time to process. So that a library information system was built using the Waterfall system development method through several stages including Requirements Definition, System and Software Design, Unit Implementation and Testing, System Integration and Testing, and Operation and Maintenance. The system is designed using Unified Modeling Language (UML) development tools and Display Worksheets (DW). The system was built using the codeIgniter framework and MySQL database. The test results using the Graphical User Interface (GUI) and User Acceptance Test (UAT) methods show that the functional appearance and components of the system that has been built are in accordance with the design that has been built, and the system specifications are in accordance with the needs of end users, where the system can assisting managers and officers in the process of automatically labeling books, assisting in the process of checking membership card ownership, and assisting in the process of recording borrowing and returning books, as well as assisting students in the process of searching for book data. However, the system should be developed into a mobile-based application so that everything is easier to do.

Key Word : *System, Information, Library, Junior High School*