FAHRUL REZA, 18.110.0011

SISTEM INFORMASI PENILAIAN DI SMP ISLAM TERPADU ASSALAAM PEKALONGAN, dibawah bimbingan Ichwan Kurniawan, M.Kom. dan Wachid Darmawam, M.Kom

142 + xvi halaman / 131 gambar / 22 tabel / 2 lampiran / 15 pustaka (2015-2023)

ABSTRAK

Metode pengolahan data yang selama ini dilakukan SMPIT Assalaam Pekalongan masih sering terkendala pada proses penyerahan dan pengorganisasian data, penambahan maupun perubahan, serta pembuatan ledger nilai. Sehingga dibangun sistem pengelolaan nilai berbasis web untuk mengatasi permasalahan tersebut. Sistem yang dibangun merupakan sistem berbasis web menggunakan framework CodeIgniter dengan database MySQL, yang dikembangkan menggunakan metode Waterfall melalui tahapan Requirements Definition, System and Software Design, Implementation and Unit Testing, Integration and System Testing, serta Operation and Maintenance. Sistem dirancang menggunakan Unified Modeling Language (UML) melalui diagram Use Case, Class, Activity, dan Sequence, serta Lembar Kerja Tampilan (LKT). Hasil pengujian sistem menggunakan metode Graphical User Interface (GUI) menunjukkan bahwa sistem sudah dapat berjalan secara fungsional sesuai dengan rancangan dan harapan pengguna, sehingga mempermudah penyerahan dan pengorganisasian data, mempermudah proses penambahan maupun perubahan data, serta mempermudah proses pembuatan ledger nilai. Namun sistem belum mampu menangani siswa yang tinggal kelas atau tidak naik kelas, serta perlu dikembangkan sistem rapor atau e-rapor dengan penambahan fitur akses siswa dan perangkingan otomatis.

Kata Kunci : *Sistem, Informasi, Nilai, Web, SMP*

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EVALUATION INFORMATION SYSTEM IN SMP ISLAM TERPADU ASSALAAM OF PEKALONGAN, under guidance of Ichwan Kurniawan, M.Kom. dan Wachid Darmawam, M.Kom

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ABSTRACT

The data processing method that has been carried out so far by SMP IT Assalaam Pekalongan is still often constrained in the process of submitting and organizing data, adding or changing, and creating a value ledger. So that a web-based value management system was built to overcome these problems. The system built is a web-based system using the CodeIgniter framework with a MySQL database, which was developed using the Waterfall method through the stages of Requirements Definition, System and Software Design, Implementation and Unit Testing, Integration and System Testing, and Operation and Maintenance. The system is designed using the Unified Modeling Language (UML) through Use Case, Class, Activity, and Sequence diagrams, as well as Display Worksheets (DW). The results of system testing using the Graphical User Interface (GUI) methods indicate that the system is able to run functionally in accordance with the design and expectations of users, making it easier to submit and organize data, simplify the process of adding or changing data, and simplify value ledger creation process. However, the system has not been able to handle students who live in class or do not go to class, and it is necessary to develop a report card or e-report system with the addition of student access features and automatic ranking.

Key Word : *System, Information, Value, Web, Junior School*