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**SISTEM INFORMASI PEMINJAMAN RUANG RAPAT BERBASIS WEB
DI DINAS PENDIDIKAN KOTA PEKALONGAN**, dibawah bimbingan
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ABSTRAK

Terdapat permasalahan pada proses peminjaman ruang rapat di Dinas Pendidikan Kota Pekalongan yaitu sering terjadi bentrokan jadwal, sehingga perlu adanya sistem untuk mengatasi permasalahan tersebut. Sistem ini dibangun dengan metode waterfall yang terdiri dari tahap Komunikasi, Perencanaan, Perancangan, Pembangunan, dan Penerapan. Rancangan sistem dibangun menggunakan Unified Modeling Language (UML), Lembar Kerja Tampilan (LKT) yang berbasis web dengan framework CodeIgniter dan pengelolaan database MySQL. Sedangkan untuk pengujian sistem dilakukan menggunakan metode White Box, Black Box, dan User Acceptance Test (UAT) dengan hasil pengujian menunjukkan bahwa sistem yang dibangun sudah dapat berfungsi dan berjalan sesuai dengan rancangan yang diharapkan pengguna. Sistem dapat memudahkan peminjam dalam melakukan peminjaman ruang rapat dan mengetahui status data peminjaman yang dilakukan, serta dapat membantu dalam proses pengelolaan data peminjaman sehingga meminimalisir kemungkinan terjadinya bentrok jadwal, dan secara tidak langsung membantu dalam pengelolaan dan persiapan fasilitas ruang yang dipinjam. Namun sistem masih perlu dikembangkan agar dapat melakukan pengajuan peminjaman dalam beberapa waktu (hari dan jam) yang berbeda untuk setiap ruang dan dapat melakukan verifikasi bentrok jadwal secara otomatis berdasarkan ruangan, hari, dan waktu yang diajukan.

Kata Kunci : *Sistem, Peminjaman, Ruang, Web, Dinas Pendidikan*

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WEB-BASED MEETING ROOM LOAN INFORMATION SYSTEM AT THE EDUCATION OFFICE OF PEKALONGAN CITY, under guidance of Christian Yulianto Rusli, M.Kom. and Eny Jumiati, M.Kom.

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ABSTRACT

There are problems in the process of borrowing meeting room at the Pekalongan City Education Office Pekalongan City Education Office, namely frequent schedule clashes, so there needs to be a system to overcome these problems. this problem. This system was built with the waterfall method which consists of the stages of Communication, Planning, Design, Development, and Implementation. Design system was built using the Unified Modeling Language (UML), a web-based Worksheet Display (DW) which is web-based with CodeIgniter framework and MySQL database management. As for system testing, it is carried out using the White Box, Black Box, and User Acceptance Test (UAT) methods. The test results show that the system built can function and run according to the design expected by users. and run according to the design expected by users. The system can make it easier for borrowers to borrow meeting rooms and find out the status of borrowing data. meeting room and find out the status of the borrowing data made, and can help in the process of help in the process of managing loan data so as to minimize the possibility of clashing schedules. the possibility of schedule clashes, and indirectly help in the management and preparation of borrowed room facilities. management and preparation of borrowed room facilities. However, the system still needs to be developed in order to be able to make loan applications in several different times (days and hours). different times (days and hours) for each room and can automatically verify schedule clashes based on the room. verification of schedule clashes automatically based on the room, day, and time proposed. that is submitted.

Keywords: *System, Borrowing, Room, Web, Education Office*