

Perancangan dan Pembuatan Sistem Informasi *Reminder* Peminjaman dan Pengembalian Rekam Medis Rawat Inap Berbasis *Web* di RSUD Kabupaten Sidoarjo

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ABSTRAK

RSUD Kabupaten Sidoarjo melakukan pendataan mengenai peminjaman dan pengembalian rekam medis rawat inap dengan menggunakan microsoft excel. Banyaknya keterlambatan pengembalian rekam medis khususnya pada bangsal rawat inap yang lebih dari 2×24 jam mengakibatkan waktu penyediaan rekam medis melebihi standar penyediaan rekam medis rawat inap. Dampaknya adalah berpengaruh pada waktu tunggu pasien. Petugas masih menggunakan cara manual dalam melakukan pengisian rekam medis dan belum adanya sistem pengingat petugas untuk melakukan pengembalian rekam medis. Pengumpulan data dilakukan dengan wawancara, observasi, dan brainstorming dengan menggunakan uji *black box*. Jenis penelitian menggunakan *riset and development* dengan pengembangan sistem menggunakan *waterfall*. Metode *waterfall* menggunakan tahapan *requirement analysis and definition, system and software design, implementation and unit testing, intergration and system testing*. Hasil dari *requirement analysis and definition* yaitu petugas menginginkan adanya username dan password serta batasan hak akses setiap petugas. Hasil dari *system and software design* menggunakan *flowchart diagram, context diagram, data flow diagram, dan entity relathioship diagram*. Hasil dari *implementation and unit testing* menggunakan PHP dan HTML dengan bantuan *Framework Codeigniter 2 dan Bootstrap AdminLTE*. Hasil *intergration and system testing* menggunakan uji *black box testing* dengan tujuan mengetahui fungsionalisme kerja sistem. Hasil penelitian ini adalah sistem informasi *reminder* peminjaman dan pengembalian rekam medis rawat inap dengan *WhatsApp* yang dikirimkan kepada petugas minimal 1×24 jam sampai berkas kembali. Hasil tersebut diharapkan dapat membantu proses pengendalian peminjaman dan pengembalian sehingga dapat menurunkan angka keterlambatan pengembalian rekam medis rawat inap.

Kata kunci: Keterlambatan, peminjaman, pengembalian, rekam medis, *reminder, waterfall*.

Design and Development of a Web-Based Borrowing and Returning Inpatient Medical Record Reminder Information System at General Hospital of Sidoarjo Regency

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ABSTRACT

General Hospital of Sidoarjo Regency collects data regarding borrowing and returning inpatient medical records using Microsoft Excel. The large number of delays in returning medical records, especially in inpatient wards which are more than 2×24 hours, results in the time for providing medical records exceeding the standard for providing inpatient medical records. The impact is an effect on patient waiting time. Officers still use the manual method of filling in medical records and there is no system for reminding officers to return medical records. Data collection was carried out by interviews, observation, and brainstorming using the black box test. This type of research uses research and development with system development using a waterfall. The waterfall method uses the stages of requirements analysis and definition, system and software design, implementation and unit testing, integration and system testing. The results of the requirements analysis and definition are that officers want usernames and passwords as well as limits on access rights for each officer. The results of system and software design use flowchart diagrams, context diagrams, data flow diagrams, and entity relationship diagrams. The results of implementation and unit testing use PHP and HTML with the help of the CodeIgniter 2 Framework and Bootstrap AdminLTE. The results of integration and system testing use black box testing with the aim of knowing the working functionalism of the system. The results of this study are an information system for borrowing and returning inpatient medical records using WhatsApp sent to officers at least 1 x 24 hours until the files are returned. These results are expected to help control the process of borrowing and returning so as to reduce the number of delays in returning inpatient medical records.

Keywords: *Borrowing, delay, medical record, return, reminder, waterfall.*