

ABSTRAK

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Rancang Bangun Sistem Informasi Manajemen Arsip Rekam Medis Elektronik Berbasis Web Di Rumah Sakit Umum Daerah Sunan Kalijaga Demak

Di era digital, pengelolaan informasi yang cepat, aman, dan terstruktur sangat penting, termasuk di rumah sakit. Di RSUD Sunan Kalijaga Demak, output SIMRS digabung dengan dokumen lain, seperti e-RME, rincian obat, dan rincian biaya, menjadi satu arsip rekam medis elektronik (PDF), sementara beberapa arsip tambahan, seperti hasil laboratorium dan radiologi, masih dalam proses digitalisasi. Penelitian ini merancang sistem manajemen rekam medis elektronik berbasis web dengan hak akses multi-user: super admin mengelola akun dan log aktivitas, admin mengelola data rekam medis, dan pasien/viewer hanya dapat melihat dan mengunduh file pribadinya. Sistem dikembangkan menggunakan SDLC model waterfall, dengan desain flowchart, UML, ERD, dan antarmuka sistem, serta diuji menggunakan blackbox testing. Hasil pengembangan menunjukkan sistem memudahkan pengelolaan arsip, pencarian data lebih cepat, dan memastikan hak akses sesuai pengguna, sehingga meningkatkan efisiensi manajemen rekam medis dan mendukung layanan pasien.

Kata Kunci : Rekam Medis Elektronik, SIMRS, Manajemen Arsip, Web, Blackbox Testing

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ABSTRACT

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Design and Development of a Web-Based Electronic Medical Record Archive Management Information System at Sunan Kalijaga Regional General Hospital Demak

In the digital era, fast, secure, and structured information management is crucial, including in hospitals. At RSUD Sunan Kalijaga Demak, output from the Hospital Information System (SIMRS) is combined with other documents, such as e-EMR, medication details, and cost details, into a single electronic medical record archive (PDF), while additional documents, such as laboratory and radiology results, are still in the process of digitization. This study designs a web-based electronic medical record management system with multi-user access: super admins manage accounts and activity logs, admins manage patient medical records, and patients/viewers can only view and download their own files. The system is developed using SDLC with the waterfall model, supported by flowchart, UML, ERD, and *Interface* design, and tested using blackbox testing. The results show that the system facilitates record management, speeds up data retrieval, and ensures access according to user rights, improving efficiency and supporting patient services.

Keywords : Electronic Medical Records, SIMRS, Archive Management, Web-based, Blackbox Testing

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