

OVERVIEW OF THE INFORMATION SYSTEM BASED ON PIECES ANALYSIS IN WONOSARI HOSPITAL

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ABSTRACT

Background: Wonosari Regional Hospital has utilized the Hospital Management Information System (SIMRS). With the existence of Permenkes no 24 of 2022, Wonosari Hospital through the SIMRS Installation began to develop Electronic Medical Records (ERM) to accompany the SIMRS application as an Information System at Wonosari Hospital. However, problems were still found in the use of the information system. The PIECES method was chosen because it can analyze problems and system barriers based on aspects of Performance, Information, Economy, Control, Efficiency and Service.

Objective: Knowing the description of the information system analyzed using the PIECES method at Wonosari Hospital.

Research Methods: The type of research used is descriptive research with a qualitative approach. Data were collected through literature studies and in-depth interviews.

Research Results: Based on the performance aspect, the speed of system access depends entirely on network traffic to the server. Based on the Information aspect, the information provided by the information system is relevant but there is no feature to export data. Based on the Economy aspect, the human resources aspect is not maximized because of limited officers. Based on the Control aspect, the control and security of the information system is good because routine maintenance is carried out and access rights are managed. Based on the Efficiency aspect, the medical record number is not written automatically on SIMRS. Based on the Service aspect, coding officers must use two applications simultaneously.

Conclusion: Based on the results of the analysis of SIMRS and ERM at Wonosari Regional Hospital, there are still some problems and obstacles in its use.

Keywords: Information System Analysis, PIECES, SIMRS, Electronic Medical Record.

GAMBARAN SISTEM INFORMASI BERDASARKAN ANALISIS PIECES DI RSUD WONOSARI

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ABSTRAK

Latar Belakang: RSUD Wonosari telah memanfaatkan Sistem Informasi Manajemen Rumah Sakit (SIMRS). Dengan adanya Permenkes no 24 tahun 2022, RSUD Wonosari melalui Instalasi SIMRS mulai mengembangkan Rekam Medis Elektronik (ERM) untuk mendampingi aplikasi SIMRS sebagai Sistem Informasi di RSUD Wonosari. Namun masih ditemukan permasalahan dalam penggunaan sistem informasi tersebut. Metode *PIECES* dipilih karena dapat menganalisis permasalahan dan hambatan sistem berdasarkan aspek *Performance, Information, Economy, Control, Efficiency* dan *Service*.

Tujuan: Mengetahui gambaran sistem informasi yang dianalisis menggunakan metode *PIECES* di RSUD Wonosari.

Metode Penelitian: Jenis penelitian yang digunakan adalah penelitian deskriptif dengan pendekatan kualitatif. Data dikumpulkan melalui studi literatur dan wawancara mendalam.

Hasil Penelitian: Berdasarkan aspek *performance*, kecepatan akses sistem sepenuhnya bergantung pada lalu-lintas jaringan yang menuju *server*. Berdasarkan aspek *Information*, informasi yang disediakan oleh sistem informasi sudah relevan namun belum terdapat fitur untuk *export* data. Berdasarkan aspek *Economy*, segi sumber daya manusia kurang maksimal karena petugas yang terbatas. Berdasarkan aspek *Control*, pengendalian dan keamanan pada sistem informasi sudah baik karena dilakukan pemeliharaan secara rutin dan adanya pengelolaan hak akses. Berdasarkan aspek *Efficiency*, nomor rekam medis tidak tertulis secara otomatis pada SIMRS. Berdasarkan aspek *Service*, petugas koding dalam melakukan kodifikasi harus menggunakan dua aplikasi secara bersamaan.

Kesimpulan: Berdasarkan hasil analisis SIMRS dan ERM di RSUD Wonosari masih ditemukan beberapa masalah dan hambatan dalam penggunaannya.

Kata Kunci: Analisis Sistem Informasi, *PIECES*, SIMRS, Rekam Medis Elektronik