

**GAMBARAN PENERAPAN SISTEM INFORMASI MANAJEMEN
PUSKESMAS DENGAN METODE *PIECES*
DI UNIT GAWAT DARURAT PUSKESMAS SLEMAN**

Syifa Maulani¹, Sugeng Santoso², Tika Sari Dewi³

INTISARI

Latar Belakang: Perkembangan teknologi informasi menuntut layanan kesehatan yang lebih cepat, akurat, dan efisien. Sistem Informasi Manajemen Puskesmas (SIMPUS) berbasis aplikasi SmartHealth telah diterapkan di Puskesmas Sleman untuk mendukung pelayanan medis dan pengelolaan data. Namun, efektivitas penerapannya di Unit Gawat Darurat (UGD) belum dievaluasi secara menyeluruh.

Tujuan Penelitian: Penelitian ini bertujuan untuk mengevaluasi implementasi SIMPUS di UGD Puskesmas Sleman dengan menggunakan pendekatan PIECES (Performance, Information, Economy, Control, Efficiency, dan Service).

Metode Penelitian: Penelitian ini merupakan studi deskriptif kualitatif. Data dikumpulkan melalui wawancara mendalam dengan lima informan kunci, yaitu dokter, perawat, bidan, apoteker, dan petugas pendaftaran. Validasi data dilakukan melalui triangulasi sumber dengan koordinator sistem.

Hasil: Hasil penelitian menunjukkan bahwa SIMPUS mendukung percepatan proses pelayanan (Performance), menyajikan informasi yang relevan dan cukup akurat (Information), serta mengurangi beban kerja manual dan biaya operasional (Economy). Sistem ini memiliki fitur keamanan berbasis hak akses pengguna (Control), mudah digunakan dan dipelihara (Efficiency), serta memberikan layanan yang andal (Service). Namun, masih terdapat kendala seperti fitur yang belum lengkap untuk pelayanan gawat darurat dan gangguan jaringan.

Kesimpulan: Secara keseluruhan, implementasi SIMPUS di UGD Puskesmas Sleman dengan pendekatan PIECES dinilai efektif dan memberikan dampak positif terhadap pelayanan kesehatan. Meskipun demikian, diperlukan perbaikan dalam integrasi data dan optimalisasi fitur sistem untuk meningkatkan kinerja secara menyeluruh.

Kata Kunci: SIMPUS, SmartHealth, PIECES, Puskesmas, Unit Gawat Darurat

¹Mahasiswa Rekam Medis dan Informasi Kesehatan (D-3) Universitas Jenderal Achmad Yani Yogyakarta.

²Dosen Rekam Medis dan Informasi Kesehatan (D-3) Universitas Jenderal Achmad Yani Yogyakarta.

OVERVIEW OF THE IMPLEMENTATION OF A COMMUNITY HEALTH CENTER MANAGEMENT INFORMATION SYSTEM USING THE PIECES METHOD IN THE EMERGENCY UNIT OF SLEMAN COMMUNITY HEALTH CENTER

Syifa Maulani¹, Sugeng Santoso², Tika Sari Dewi³

ABSTRACT

Background: The advancement of information technology demands faster, more accurate, and efficient healthcare services. The Puskesmas Management Information System (SIMPUS), based on the SmartHealth application, has been implemented at Sleman Community Health Center to support data management and medical services. However, the effectiveness of its implementation in the Emergency Unit (UGD) has not been fully explored.

Objective: This study aims to describe the implementation of SIMPUS using the PIECES method (Performance, Information, Economy, Control, Efficiency, and Service) in the Emergency Unit of Puskesmas Sleman.

Method: This is a qualitative descriptive study. Data were collected through in-depth interviews with five informants, including a doctor, nurse, midwife, pharmacist, and registration officer, as well as source triangulation with the system coordinator.

Results: The results indicate that SIMPUS supports faster service processes (performance), provides fairly accurate and relevant information (information), and offers cost savings and reduced manual workload (economy). In terms of control, the system features role-based access security (control). It is also considered user-friendly and easy to maintain (efficiency), and delivers reliable services. However, limitations such as incomplete features in the emergency unit and network issues still exist.

Conclusion: Overall, the implementation of SIMPUS in the Emergency Unit of Puskesmas Sleman using the PIECES method has been effective and positively impacts healthcare services. Nonetheless, improvements are needed in data integration and feature optimization to ensure more comprehensive system performance.

Keywords: SIMPUS, SmartHealth, PIECES, Community Health Center, Emergency Unit

¹Student of Medical Record and Health Information (D-3) University Jenderal Achmad Yani Yogyakarta

²Lecturer of Medical Record and Health Information (D-3) University Jenderal Achmad Yani Yogyakarta