

***EVALUATION OF THE IMPLEMENTATION OF THE PUSKESMAS
MANAGEMENT INFORMATION SYSTEM (SIMPUS) USING THE PIECES
AND HOT-FIT METHODS AT PUSKESMAS KOTAGEDE II***

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ABSTRACT

Background: Puskesmas Kotagede II has implemented SIMPUS since 2012 to support patient data management, pharmaceutical services, laboratory functions, and health reporting. However, no structured evaluation had previously been conducted. Preliminary observations identified operational issues including frequent system slowdowns, unstable network connections, and persistent double-entry recording between the electronic medical record system and paper-based documentation.

Objective: To evaluate the implementation of SIMPUS using the PIECES and HOT-Fit methods at Puskesmas Kotagede II.

Method: This descriptive quantitative study employed a cross-sectional design involving all 30 SIMPUS users through total sampling. Data were collected using a five-point Likert scale questionnaire validated through Pearson Correlation and Cronbach's Alpha tests, then analyzed descriptively.

Results: The PIECES method yielded an overall mean score of 3.90 (Good), with Information scoring highest (3.98) and Efficiency lowest (3.73). The HOT-Fit method produced an overall mean score of 3.93 (Good), with Organization highest (3.99) and Technology lowest (3.87).

Conclusion: The implementation of SIMPUS at Puskesmas Kotagede II is overall categorized as good under both evaluation frameworks. Nevertheless, improvements are needed in diagnostic coding, system-workflow alignment, digital recording integration across all service units, and the establishment of a systematic user feedback mechanism.

Keywords: Management Information System, SIMPUS, PIECES Method, HOT-Fit Method, Community Health Center

EVALUASI PENERAPAN SISTEM INFORMASI MANAJEMEN PUSKESMAS (SIMPUS) MENGGUNAKAN METODE PIECES DAN HOT- FIT DI PUSKESMAS KOTAGEDE II

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ABSTRAK

Latar Belakang: Puskesmas Kotagede II telah menerapkan SIMPUS sejak tahun 2012, namun belum pernah dilakukan evaluasi yang terstruktur. Hasil studi pendahuluan menunjukkan beberapa kendala operasional, di antaranya sistem yang sering lambat, koneksi jaringan yang tidak stabil, serta pencatatan ganda antara rekam medis elektronik dan dokumen manual.

Tujuan: Mengevaluasi penerapan SIMPUS menggunakan metode PIECES dan HOT-FIT di Puskesmas Kotagede II.

Metode: Penelitian ini menggunakan desain deskriptif kuantitatif dengan pendekatan *cross-sectional*. Melibatkan seluruh 30 pengguna SIMPUS melalui teknik total sampling. Data dikumpulkan menggunakan kuesioner skala Likert lima poin yang telah diuji validitas (Pearson Correlation) dan reliabilitas (Cronbach's Alpha), kemudian dianalisis secara deskriptif.

Hasil: Evaluasi menggunakan metode PIECES menghasilkan skor rata-rata keseluruhan sebesar 3,90 (kategori Baik), dengan aspek Informasi tertinggi (3,98) dan aspek Efisiensi terendah (3,73). Metode HOT-Fit menghasilkan skor rata-rata 3,93 (Baik), dengan aspek Organisasi tertinggi (3,99) dan aspek Teknologi terendah (3,87).

Kesimpulan: Penerapan SIMPUS secara keseluruhan berkategori baik, namun masih memerlukan perbaikan pada pengkodean diagnosis, keselarasan sistem dengan alur kerja, integrasi pencatatan digital di seluruh unit layanan, dan mekanisme umpan balik pengguna yang sistematis.

Kata Kunci: Sistem Informasi Manajemen, SIMPUS, Metode PIECES, Metode HOT-Fit, Puskesmas.