

**EVALUTION OF THE IMPLEMENTATION OF ELEKTRONIC
SIGNATURES USING THE HOT FIT METHODE ON ELEKTRONIC
MEDICAL RECORDS AT RUMAH SAKIT TK III 04.06.03 DR.
SOETARTO YOGYAKARTA**

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ABSTRACT

Background: *The application of electronic signatures in the SIMRS application needs to be evaluated to find out whether the system that has been built is running well in accordance with the expected goals. The application of electronic signatures has not been carried out on all medical record forms, and during the course of the process, no evaluation has been carried out.*

Objective: *To find out the application of electronic signatures based on aspects of Human, Organization, Technology, and Net-Benefit.*

Methods: *This type of research is qualitative descriptive with the HOT-Fit method in evaluating the application of electronic signatures.*

Results: *Human aspect, the application of electronic signatures has not received adequate socialization and training and has not been applied to all health workers. The implementation of electronic signatures has network problems interfering with the performance of officers. The organizational aspect, the implementation of electronic signatures does not yet have Standard Operating Procedures (SOPs) and policies as a reference for officers. The technology aspect, Disruption in the Hospital Management Information System (SIMRS) affects the use of electronic signatures. The application of electronic signatures is safe to use, but signatures do not yet have certification and have not been registered with the Electronic Certificate Center (BSrE). Net-Benefit Aspect, The application of electronic signatures provides convenience, efficiency, time savings and reduced paper use.*

Conclusion: *Based on the human aspect, it has not been applied to all officers, and there is a disruption to the network. Based on the organizational aspect, there is no SOP, and policies related to electronic signatures. Based on the technology aspect, electronic signatures are safe to use but have not been registered with the Electronic Certificate Center (BSrE). Based on the benefit aspect (Net-Benefit), the implementation of electronic signatures provides benefits for users.*

Keywords: *Electronic signatures, evaluation, HOT-Fit.*

**EVALUASI PENERAPAN TANDA TANGAN ELEKTRONIK
MENGUNAKAN METODE HOT-FIT PADA REKAM MEDIS
ELEKTRONIK DI RUMAH SAKIT TK III 04.06.03 DR. SOETARTO
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ABSTRAK

Latar Belakang: Penerapan tanda tangan elektronik pada aplikasi SIMRS perlu dilakukan evaluasi untuk mengetahui apakah sistem yang telah dibangun sudah berjalan dengan baik sesuai dengan tujuan yang diharapkan. Penerapan tanda tangan elektronik belum dilakukan pada semua formulir rekam medis, dan selama berjalan belum pernah dilakukan evaluasi.

Tujuan: Mengetahui penerapan tanda tangan elektronik berdasarkan aspek Manusia (*Human*), Organisasi (*Organization*), Teknologi (*Technology*), Manfaat (*Net-Benefit*).

Metode: Jenis penelitian ini adalah deskriptif kualitatif dengan metode HOT-Fit dalam melakukan evaluasi penerapan tanda tangan elektronik.

Hasil: Aspek Manusia (*Human*), penerapan tanda tangan elektronik belum mendapatkan sosialisasi dan pelatihan yang memadai serta belum diterapkan pada semua tenaga kesehatan. Penerapan tanda tangan elektronik memiliki masalah jaringan mengganggu kinerja petugas. Aspek organisasi (*Organization*), Penerapan tanda tangan elektronik belum memiliki Standar Operasi Prosedur (SOP) dan kebijakan sebagai acuan petugas. Aspek teknologi (*Technology*), Gangguan pada Sistem Informasi Manajemen Rumah Sakit (SIMRS) mempengaruhi penggunaan tanda tangan elektronik. Penerapan tanda tangan elektronik aman digunakan, namun tanda tangan belum memiliki sertifikasi dan belum terdaftar di Balai Sertifikat Elektronik (BSrE). Aspek Manfaat (*Net-Benefit*), Penerapan tanda tangan elektronik memberikan kemudahan, efisiensi, hemat waktu serta pengurangan penggunaan kertas.

Kesimpulan: Berdasarkan aspek manusia (*Human*) belum diterapkan keseluruhan petugas, dan mengalami gangguan terhadap jaringan. Berdasarkan aspek organisasi (*Organization*) belum memiliki SOP, dan Kebijakan terkait tanda tangan elektronik. Berdasarkan aspek teknologi (*Technology*) tanda tangan elektronik aman digunakan namun belum terdaftar di Balai Sertifikat Elektronik (BSrE). Berdasarkan aspek manfaat (*Net-Benefit*) penerapan tanda tangan elektronik memberikan manfaat bagi pengguna.

Kata Kunci: Tanda tangan elektronik, evaluasi, HOT-Fit.