

EVALUASI KEAMANAN DATA PASIEN REKAM MEDIS ELEKTRONIK PADA RAWAT JALAN DI PUSKESMAS GAMPING 1

Regita Putri¹ Endang Purwanti² Dwi Nugroho³

INTISARI

Latar Belakang: Puskesmas Gamping 1, masih terdapat permasalahan terkait keamanan dari aspek kerahasiaan, integritas data, dan ketersediaan sistem, sehingga perlu dilakukan evaluasi. Hal ini penting untuk memastikan bahwa sistem RME berjalan dengan baik dan mampu melindungi data pasien secara optimal.

Tujuan Penelitian: Tujuan penelitian ini adalah untuk mengevaluasi keamanan data pasien rekam medis elektronik pada rawat jalan di Puskesmas Gamping 1 berdasarkan aspek kerahasiaan, integritas dan ketersediaan

Hasil Penelitian: Seluruh pengguna sudah diberikan username dan password secara pribadi. Fitur *logout* otomatis tersedia, namun baru aktif setelah sekitar 8 jam tidak digunakan. Tidak terdapat kebijakan pembaruan password secara berkala, dan dalam praktiknya masih bisa terjadi minjam meminjam akun secara bergantian. Sistem belum mendukung tanda tangan elektronik, masih mengandalkan dokumen cetak yang ditandatangani secara manual. Meskipun demikian, sistem RME memiliki mekanisme validasi otomatis yang mencegah penyimpanan data jika terdapat kolom yang belum terisi. Seluruh rekam medis telah di alih media secara penuh ke format elektronik, sehingga memungkinkan akses data baik yang terbaru maupun arsip. Namun demikian, aksesibilitas sistem masih sangat bergantung pada kestabilan jaringan internet yang sesekali menghambat pengambilan data secara real-time.

Kesimpulan: Keamanan data RME di Puskesmas Gamping 1 cukup baik, namun masih memerlukan perbaikan dalam kebijakan akses, belum ada tanda tangan elektronik, dan infrastruktur jaringan guna meningkatkan keamanan secara keseluruhan.

Keywords: Rekam Medis Elektronik, Keamanan Data, Kerahasiaan, Ketersediaan, Integritas

¹Mahasiswa RMIK Universitas Jenderal Achmad Yani Yogyakarta

²Dosen RMIK Universitas Jenderal Achmad Yani Yogyakarta

³Dosen RMIK Universitas Jenderal Achmad Yani Yogyakarta

EVALUATION OF ELECTRONIC MEDICAL RECORD PATIENT DATA SECURITY IN OUTPATIENT CARE AT GAMPING 1 PUBLIC HEALTH CENTER

Regita Putri¹ Endang Purwanti² Dwi Nugroho³

ABSTRACT

Background: Electronic Medical Records (EMRs) are essential for healthcare data management but pose risks to data security. At health center 1, concerns remain regarding user access control, data integrity, and system availability, prompting this evaluation.

Method: This qualitative, cross-sectional study used semi-structured interviews with four healthcare staff. Data were analyzed thematically and validated through source triangulation.

Result: All users were assigned individual usernames and passwords. An automatic logout feature was present but only activated after approximately 8 hours of inactivity. There was no policy for regular password updates, and account sharing still occurred in practice. The system lacked an electronic signature feature, relying instead on printed and manually signed documents. However, the EMR system included an automatic validation mechanism that prevented saving incomplete data entries. The EMR system had fully transitioned to electronic format, allowing access to current and archived records. Nonetheless, system accessibility was highly dependent on internet stability, which occasionally hindered real-time data retrieval.

Conclusion: EMR data security at health center Gamping 1 is partially effective. Improvements are needed in access policies, integrity measures, and system infrastructure to enhance security.

Keywords: Electronic Medical Records, Data Security, Confidentiality, Availability, Integrity

¹Student of Medical Record and Health Management Programme Universitas Jenderal Achamd Yani Yogyakarta

²Lecture of Medical Record and Health Management Programme Jenderal Achmad Yani Yogyakarta

³Lecture of Medical Record and Health Management Programme Jenderal Achmad Yani Yogyakarta