

ANALISIS KEAMANAN DATA INFORMASI PASIEN DALAM PENGUNAAN REKAM MEDIS ELEKTRONIK DI RSUD SAPTOSARI

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INTISARI

Latar Belakang : Rekam medis elektronik memiliki berbagai fitur untuk kelengkapan data, akurasi data, tanda peringatan, sistem pendukung keputusan yang dapat menghubungkan data dengan informasi medis dan keamanan data (Hatta, 2011). Oleh karena itu sistem keamanan terdiri dari beberapa aspek, diantaranya yaitu *privacy*, *integrity*, *authentication*, *availability*, *access control* dan *non-repudiation*.

Tujuan Penelitian : Menganalisis penerapan penggunaan sistem rekam medis elektronik berdasarkan enam aspek yaitu; *privasi*, *integrity*, *authentication*, *availability*, *access control*, *non-repudiation*.

Hasil Penelitian : Keamanan rekam medis elektronik di RSUD Saptosari sudah memiliki *authentication* untuk *login*. Terdapat regulasi yang mengatur perubahan data informasi. Setiap pengguna sudah memiliki ID dan *password* masing-masing. Ketersediaan RME sudah terpenuhi tetapi tidak ada *warning* data apabila pasien *double*. Penggunaan RME sudah sesuai. Pembagian tugas terkait penggunaan RME sudah sesuai dengan kebutuhan.

Kesimpulan : Aspek *privacy* sesuai dengan kerahasiaan data informasi, setiap pengguna menggunakan rekam medis pasien sesuai kebutuhan. Aspek *integrity* penggunaan rekam medis elektronik sesuai hak perubahan data informasi, sudah terdapat regulasi. Aspek *authentication* penggunaan rekam medis elektronik sesuai dengan keabsahan pengguna data informasi. Aspek *availability* terdapat kekurangan pada bagian pemberian *warning* otomatis saat. Aspek *access control* sesuai dengan pengaturan terkait akses pengguna rekam medis elektronik sudah terdapat regulasi namun terdapat petugas yang saling tukar menukar *password*. Aspek *non repudiation* sesuai dengan pembagian tugas masing-masing pengguna rekam medis elektronik.

Kata Kunci : rekam medis elektronik, keamanan data, data informasi

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**ANALYSIS OF PATIENT INFORMATION DATA SECURITY IN THE USE OF
ELECTRONIC MEDICAL RECORDS AT SAPTOSARI HOSPITAL**

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ABSTRAK

Background: *Electronic medical records have various features for data completeness, data accuracy, warning signs, decision support systems that can link data with medical information and data security (Hatta, 2011). Therefore the security system consists of several aspects, including privacy, integrity, authentication, availability, access control and non-refundation.*

Methods : *using a qualitative descriptive method with a cross sectional approach*

Research Results: *Electronic medical record security at Saptosari Hospital already has authentication for logging in. There are regulations governing changes to information data. Each user already has their own ID and password. The availability of RME has been fulfilled but there is no warning data if the patient is double. The use of RME is appropriate. The division of tasks related to the use of RME is in accordance with the needs.*

Conclusion: *The privacy aspect is in accordance with the confidentiality of information data, each user uses the patient's medical record as needed. The integrity aspect of the use of electronic medical records is in accordance with the right to change information data, there are already regulations. The authentication aspect of the use of electronic medical records is in accordance with the validity of information data users. There are deficiencies in the availability aspect in the automatic warning section when. Aspects of access control in accordance with regulations related to access to electronic medical record users already have regulations, but there are officers who exchange passwords. The non-refundation aspect is in accordance with the division of tasks for each user of the electronic medical record.*

Keywords: *electronic medical record, data security, information data*

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