

**ANALYSIS OF RM OFFICERS' PERCEPTION TOWARDS RME DATA
SECURITY BASED ON CONFIDENTIALITY, INTEGRITY, AND
AVAILABILITY (CIA) ASPECTS AT RSPAU dr. S. HARDJOLUKITO IN 2026**

Elsy Aurilla Luxdiatama¹, Munica Rita Hernayanti², Arif Nugroho Triutomo³
^{1,2,3}*Medical Records and Health Information Study Program, Department of
Midwifery, Poltekkes, Ministry of Health, Yogyakarta,
Jl. Mangkuyudan MJ III/304, Mantrijeron, Yogyakarta City,
Special Region of Yogyakarta 55143*

Email: elsyaskyagasy@gmail.com, munica.ritah@poltekkesjogja.ac.id,
arifngрту@gmail.com

ABSTRACT

Background: The implementation of Electronic Medical Records (EMR) is mandatory in all Indonesian healthcare facilities based on Indonesian Minister of Health Regulation No. 24 of 2022. Its implementation poses data security challenges, as evidenced by the data leak of 6 million COVID-19 patients from the Ministry of Health system in 2022. Similar conditions were found in the SIMETRIS system at dr. S. Hardjolukito Air Force Hospital, including the lack of an automatic logout feature, automatic password storage on devices, and suboptimal access control.

Objective: To determine the perceptions of medical records officers regarding the security of medical records data based on the Confidentiality, Integrity, and Availability (CIA Triad) aspects at dr. S. Hardjolukito Air Force Hospital in 2026.

Method: This study used a descriptive quantitative method with a cross-sectional design. A sample of 35 medical records officers was selected using total sampling. Data were collected using a 4-point Likert scale questionnaire that had been tested for validity and reliability, then analyzed using descriptive statistics.

Results: The results of the study showed that the analysis of officer perceptions on the confidentiality aspect obtained an average of 91.8% in the Very Good category, with 31 respondents (88%) in the Very Good category. The integrity aspect obtained an average of 94.1% in the Very Good category, with all 35 respondents (100%) in the Very Good category. The availability aspect obtained an average of 90% in the Very Good category, with 32 respondents (91%) in the Good category.

Conclusion: The perceptions of medical records officers regarding the security of medical records data at dr. S. Hardjolukito Air Force Hospital were overall in the Very Good category. However, weaknesses remain in the practice of account sharing, data integrity improvements, and officer compliance with security procedures regarding availability, which require further attention.

Keywords: RME, Data Security, CIA Triad, RSPAU dr. S. Hadjolukito.

ANALISIS PERSEPSI PETUGAS RM TERHADAP KEAMANAN DATA RME BERDASARKAN ASPEK *CONFIDENTIALITY*, *INTEGRITY*, DAN *AVAILABILITY* (CIA) DI RSPAU dr. S. HARDJOLUKITO TAHUN 2026

Elsy Aurilla Luxdiatama¹, Munica Rita Hernayanti², Arif Nugroho Triutomo³

^{1,2,3}Prodi Rekam Medis dan Informasi Kesehatan, Jurusan Kebidanan
Poltekkes Kemenkes Yogyakarta

Jl. Mangkuyudan MJ III/304, Mantrijeron, Kota Yogyakarta,
Daerah Istimewa Yogyakarta 55143

Email: elsyaskyagasy@gmail.com, munica.ritah@poltekkesjogja.ac.id,
arifngрту@gmail.com

ABSTRAK

Latar Belakang: Penerapan Rekam Medis Elektronik (RME) diwajibkan di seluruh fasilitas pelayanan kesehatan Indonesia berdasarkan Permenkes RI No. 24 Tahun 2022. Implementasinya menimbulkan tantangan keamanan data, dibuktikan dengan kebocoran data 6 juta pasien COVID-19 dari sistem Kemenkes RI pada 2022. Kondisi serupa ditemukan pada sistem SIMETRIS di RSPAU dr. S. Hardjolukito, berupa belum tersedianya fitur *automatic logout*, penyimpanan kata sandi otomatis pada perangkat, serta kontrol akses yang belum optimal.

Tujuan: Mengetahui persepsi petugas rekam medis terhadap keamanan data RME berdasarkan aspek *Confidentiality*, *Integrity*, *Availability* (CIA Triad) di RSPAU dr. S. Hardjolukito tahun 2026.

Metode: Penelitian menggunakan metode kuantitatif deskriptif dengan desain *cross-sectional*. Sampel berjumlah 35 petugas rekam medis menggunakan total sampling. Data dikumpulkan melalui kuesioner skala Likert 4 poin yang telah diuji validitas dan reliabilitasnya, kemudian dianalisis menggunakan statistik deskriptif.

Hasil: Hasil penelitian menunjukkan bahwa analisis persepsi petugas pada aspek kerahasiaan memperoleh rata-rata 91,8% kategori Sangat Baik, dengan 31 responden (88%) berada pada kategori Sangat Baik. Aspek integritas memperoleh rata-rata 94,1% kategori Sangat Baik, dengan seluruh 35 responden (100%) pada kategori Sangat Baik. Aspek ketersediaan memperoleh rata-rata 90% kategori Sangat Baik, dengan 32 responden (91%) pada kategori Baik.

Kesimpulan: Persepsi petugas rekam medis terhadap keamanan data RME di RSPAU dr. S. Hardjolukito secara keseluruhan berada pada kategori Sangat Baik. Namun masih terdapat kelemahan pada praktik *sharing account*, perbaikan data di aspek integritas, serta kepatuhan petugas terhadap prosedur keamanan di aspek ketersediaan yang perlu mendapat perhatian lebih lanjut.

Kata Kunci: RME, Keamanan Data, CIA Triad, RSPAU dr. S. Hadjolukito