

**PENILAIAN *DIGITAL MATURITY INDEX* (DMI)
DI RSUD dr. TJITROWARDOJO PURWOREJO MENGGUNAKAN
FRAMEWORK HOSPITAL INFORMATION SYSTEM MATURITY MODEL
(HISMM)**

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INTISARI

Latar Belakang : Sistem Informasi Manajemen Rumah Sakit (SIMRS) berperan penting dalam mendukung operasional rumah sakit. Namun, implementasinya masih menghadapi berbagai tantangan dari aspek manusia, teknologi, dan organisasi. Kondisi ini menunjukkan perlunya penilaian *Digital Maturity Index* untuk mengidentifikasi komponen yang perlu ditingkatkan guna mengoptimalkan digitalisasi layanan kesehatan. Penilaian DMI melalui *website* Kementerian Kesehatan telah dilakukan oleh unit TI RSUD dr. Tjitrowardojo Purworejo pada tahun 2024, namun rekam medis elektronik rawat inap baru diimplementasikan pada awal 2025. Oleh karena itu, diperlukan penilaian DMI terkini untuk memperoleh gambaran yang lebih akurat mengenai tingkat kematangan digital rumah sakit.

Tujuan Penelitian : Menilai tingkat *Digital Maturity Index* (DMI) di RSUD dr. Tjitrowardojo Purworejo menggunakan *framework Hospital Information System Maturity Model* (HISMM).

Metode Penelitian : Menggunakan metode *mix method* dengan jenis *sequential explanatory*.

Hasil : Tingkat *Digital Maturity Index* di RSUD dr. Tjitrowardojo Purworejo pada tujuh komponen, sistem informasi dan infrastruktur TIK level 2,7, standar interoperabilitas data level 3,1, manajemen dan tata kelola level 2,9, data analitik level 1,2, manajemen sumber daya kesehatan level 3, keamanan, privasi, dan kerahasiaan data level 2,2, serta RME dan pusat layanan pasien level 1,9.

Kesimpulan : Secara keseluruhan tingkat *Digital Maturity Index* di RSUD dr. Tjitrowardojo Purworejo berada pada level 2,42 berada pada kategori “inisiasi pondasi”, dimana rumah sakit sudah memiliki *roadmap* sistem informasi rumah sakit namun tidak sistematis. Meskipun demikian, peluang rumah sakit untuk meningkatkan level DMI masih terbuka melalui upaya pengembangan yang berkelanjutan.

Kata Kunci : *Digital Maturity Index* (DMI), *Hospital Information System Maturity Model* (HISMM), Sistem Informasi Manajemen Rumah Sakit (SIMRS)

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**DIGITAL MATURITY INDEX (DMI) ASSESSMENT
AT RSUD dr. TJITROWARDOJO PURWOREJO USING HOSPITAL
INFORMATION SYSTEM MATURITY MODEL (HISMM)
FRAMEWORK**

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ABSTRACT

Background : Hospital Management Information System plays a crucial role in supporting hospital operations. However, its implementation still faces various challenges from human, technological, and organizational aspects. This condition indicates the need for a Digital Maturity Index (DMI) assessment to identify components that require improvement to optimize the digitization of health services. Based on preliminary studies, the DMI assessment has been conducted by the IT unit of RSUD dr. Tjitrowardojo Purworejo in 2024, but one of the assessment components, namely the inpatient electronic medical record was only implemented in early 2025. This shows that not all components of hospital digitization are fully represented.

Objective : Assessing the level of Digital Maturity Index (DMI) at RSUD dr. Tjitrowardojo Purworejo uses the Hospital Information Maturity Model (HISMM) framework.

Method : Using mix method research with a sequential explanatory type.

Result : The digital maturity index level at RSUD dr. Tjitrowardojo Purworejo on seven components, information systems and ICT infrastructure level 2,7, standards data interoperability level 3,1, management and governance level 2,9, data analytics level 1,2, health resource management level 3, security, privacy, and data confidentiality level 2,2, and the EMR and patient service center level 1,9.

Conclusion : Overall, the level of DMI at RSUD dr. Tjitrowardojo Purworejo is at the level of 2,42 in the category of “foundation initiation”, which indicates that the hospital already has a roadmap for the hospital information system, but it is not yet systematic. However, there are still opportunities for hospitals to improve the DMI through continuous development efforts.

Keyword : Digital Maturity Index (DMI), Hospital Information System Maturity Model (HISMM), Hospital Management Information System (HMIS)

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