

ABSTRAK

STRATEGI IMPLEMENTASI *HARD VALIDATION*, *CLINICAL DECISION SUPPORT SYSTEM (CDSS)*, *LIVE DASHBOARD AUDIT*, DAN *OFFLINE MODE AUTO-SYNC* DALAM PENERAPAN DOKUMENTASI KEPERAWATAN BERBASIS ELEKTRONIK

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Perkembangan teknologi informasi dalam sektor kesehatan, yang diperkuat oleh Peraturan Menteri Kesehatan No. 24 Tahun 2022, mendorong rumah sakit untuk beralih ke sistem dokumentasi berbasis elektronik guna meningkatkan efisiensi dan mutu pelayanan. Penelitian ini bertujuan untuk menyusun strategi dalam penerapan dokumentasi keperawatan berbasis elektronik dengan implementasi *Hard Validation*, *Clinical Decision Support System (CDSS)*, *Live Dashboard Audit*, Dan *Offline Mode Auto-Sync*. Pengumpulan data melalui metode wawancara, observasi, kuesioner dan analisis SWOT. Jumlah responden yaitu 17 perawat yang menjalankan tugas di ruang Jasil. Hasil analisis SWOT menunjukkan Dokumentasi Keperawatan Berbasis Elektronik (END) di ruang Jasil Rumah sakit G Mojokerto berada di kuadran I, sehingga mendukung penerapan strategi pertumbuhan agresif. Strategi yang diterapkan meliputi *Hard Validation Laws* (kolom wajib isi), *Clinical Decision Support System (CDSS)*, audit kualitas data via *live dashboard*, serta fitur *Offline Mode* dengan *Auto-Sync*. Langkah-langkah tersebut secara langsung meningkatkan keakuratan, kelengkapan, dan ketepatan waktu dokumentasi, meminimalkan kesalahan penginputan, serta menjamin kontinuitas data saat terjadi gangguan jaringan. Melalui optimalisasi END, rumah sakit dapat meningkatkan mutu pelayanan, mengefektifkan pengambilan keputusan klinis, menjaga keselamatan pasien, serta memperkuat perlindungan hukum bagi tenaga kesehatan dan institusi.

Kata Kunci: *Clinical Decision Support System (CDSS)*, Dokumentasi Keperawatan Berbasis Elektronik, *Hard Validation*, *Live Dashboard Audit*, *Offline Mode Auto-Sync*.

ABSTRACT

DIGITAL TRANSFORMATION OF NURSING DOCUMENTATION: IMPLEMENTATION STRATEGY OF HARD VALIDATION, CLINICAL DECISION SUPPORT SYSTEM (CDSS), LIVE DASHBOARD AUDIT, AND OFFLINE MODE AUTO-SYNC

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The advancement of information technology in the healthcare sector, reinforced by the Regulation of the Minister of Health No. 24 of 2022, has driven hospitals to transition toward electronic-based documentation systems to enhance efficiency and the quality of care. This study aims to formulate a strategy for implementing Electronic Nursing Documentation (END) through the integration of Hard Validation, a Clinical Decision Support System (CDSS), a Live Dashboard Audit, and an Offline Mode with Auto-Sync functionality. Data collection was conducted using interviews, observations, questionnaires, and a SWOT analysis. The respondents consisted of 17 nurses on duty in the Jasil Ward. The SWOT analysis results indicated that the END system in the Jasil Ward of G Hospital Mojokerto is positioned in Quadrant I, thereby supporting the execution of an aggressive growth strategy. The implemented strategies encompass Hard Validation Laws (mandatory fields), a Clinical Decision Support System (CDSS), data quality auditing via a live dashboard, and an Offline Mode feature with Auto-Sync. These measures directly improve the accuracy, completeness, and timeliness of documentation, minimize data entry errors, and ensure data continuity during network disruptions. Through the optimization of END, the hospital can elevate the quality of services, streamline clinical decision-making, maintain patient safety, and strengthen legal protection for both healthcare professionals and the institution.

Keywords: Clinical Decision Support System (CDSS), Electronic-Based Nursing Documentation, Hard Validation, Live Dashboard Audit, Offline Mode Auto-Sync.