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Urgensi atas Pengembangan National Integrated Medical Records: Komitmen Paramedis, Kegunaan Big Data, Dan Kapabilitas Intelijen Dalam Dominasi Teknologi Di Indonesia
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ABSTRAK

Tujuan: Penelitian ini bertujuan menganalisis pengaruh komitmen multidimensional, persepsi kegunaan *big data*, dan kemampuan intelijen terhadap kesegeraan tindakan (*immediacy*) implementasi *National Integrated Medical Records* (NIMR) di Indonesia berlandaskan *Technological Dominance Theory*.

Metodologi: Menggunakan pendekatan kuantitatif dengan desain eksperimen faktorial 2×2×2. Data primer dikumpulkan secara nasional melalui protokol eksperimen berbasis web (*task-based assessment*) pada tenaga paramedis (dokter) dengan masa kerja di atas dua tahun, kemudian dianalisis menggunakan uji beda *Independent Sample t-test* dan uji *post-hoc* via SPSS.

Keaslian: Studi ini merupakan kajian ilmiah pertama yang menguji peran kapabilitas intelijen kognitif paramedis dalam konteks NIMR, sekaligus memperluas *Technological Dominance Theory* dengan mengintegrasikan determinan psikologis dan teknologis secara simultan.

Temuan: Hasil membuktikan komitmen multidimensional dan persepsi kegunaan *big data* yang tinggi secara signifikan meningkatkan kemendesakan implementasi NIMR. Interaksi keduanya mempercepat akselerasi sistem, sementara kemampuan intelijen tinggi berfungsi sebagai modal kognitif superior dalam menavigasi kompleksitas digital. Konvergensi simultan ketiga faktor ini secara mutlak mengeliminasi kelembaman tindakan dan menghasilkan kesegeraan implementasi NIMR yang paling optimal.

Kata Kunci: *National Integrated Medical Records*, Komitmen Multidimensional, Kegunaan *Big Data*, Kemampuan Intelijen, Teori Dominasi Teknologi, Eksperimen Faktorial.

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ABSTRACT

Objective: This study aims to analyze the effect of multidimensional commitment, perceived usefulness of big data, and intelligence capability on the immediacy of the National Integrated Medical Records (NIMR) implementation in Indonesia based on Technological Dominance Theory.

Methodology: A quantitative approach was employed using a $2 \times 2 \times 2$ factorial experimental design. Primary data were collected nationally through a web-based experimental protocol (*task-based assessment*) among paramedics (physicians) with over two years of work experience. The data were then analyzed using Independent Sample t-tests and *post-hoc* tests via SPSS.

Originality: This study represents the first scientific investigation testing the role of paramedics' cognitive intelligence capabilities within the NIMR context, while expanding Technological Dominance Theory by simultaneously integrating psychological and technological determinants.

Findings: The results demonstrate that high multidimensional commitment and perceived usefulness of big data significantly increase the urgency of NIMR implementation. Their interaction accelerates system adoption, while high intelligence capability serves as a superior cognitive asset in navigating digital complexity. The simultaneous convergence of these three factors decisively eliminates action inertia and achieves optimal immediacy in NIMR implementation.

Keywords: National Integrated Medical Records, Multidimensional Commitment, Big Data Perceived Usefulness, Intelligence Capability, Technological Dominance Theory, Factorial Experiment.