

**DESIGNING USER INTERFACE DESIGN FOR MANGKUYUDAN
MIDWIFERY INDEPENDENT PRACTICE USING THE
USER CENTERED DESIGN (UCD) METHOD**

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ABSTRACT

Background: *The Minister of Health of the Republic of Indonesia requires the use of Electronic Medical Records (RME) through the Minister of Health Regulation Number 24 of 2022. The health service process at PMB Mangkyudan is still carried out manually, which hinders the efficiency and accuracy of services.*

Objective: *To produce a design of the interface of the medical record information system that suits the needs of users at PMB Mangkyudan.*

Methods: *This study is a Research and Development (R&D) research using the User Centered Design (UCD) method, which includes identifying user needs, creating solution designs, and evaluating designs.*

Results: *The design development process of PMB Mangkuyudan medical record information system interface involves identification, design creation, and evaluation with user input. The design of this interface has been adjusted based on three stages of evaluation with user input. The results of this study show that the interface design is well received by users, easy to understand, use, and meet the service needs at PMB Mangkuyudan.*

Conclusion: *The design of the interface design of the PMB Mangkuyudan Medical Record Information System using the User Centered Design (UCD) method has succeeded in meeting the needs of users and has the potential to increase the effectiveness of health services at PMB Mangkuyudan.*

Keywords: *User Interface, UCD, Medical Record Information System, Health Service*

**PERANCANGAN DESAIN *USER INTERFACE* PRAKTIK MANDIRI
BIDAN MANGKUYUDAN MENGGUNAKAN METODE *USER
CENTERED DESIGN (UCD)***

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ABSTRAK

Latar Belakang: Menteri Kesehatan Republik Indonesia mewajibkan penggunaan Rekam Medis Elektronik (RME) melalui Peraturan Menteri Kesehatan Nomor 24 Tahun 2022. Proses pelayanan kesehatan di PMB Mangkyudan masih dilakukan secara manual sehingga menghambat efisiensi dan akurasi pelayanan.

Tujuan: Menghasilkan rancangan desain antarmuka sistem informasi rekam medis yang sesuai dengan kebutuhan pengguna di PMB Mangkyudan.

Metode: Penelitian ini merupakan penelitian *Research and Development (R&D)* dengan menggunakan metode *User Centered Design (UCD)*, yang mencakup identifikasi kebutuhan pengguna, pembuatan desain solusi, dan evaluasi desain.

Hasil: Proses pengembangan desain antarmuka sistem informasi rekam medis PMB Mangkuyudan melibatkan identifikasi, pembuatan desain, dan evaluasi dengan masukan pengguna. Desain antarmuka ini telah disesuaikan berdasarkan tiga tahap evaluasi dengan masukan pengguna. Hasil penelitian ini menunjukkan desain antarmuka diterima dengan baik oleh pengguna, mudah dipahami, digunakan, serta memenuhi kebutuhan pelayanan di PMB Mangkuyudan.

Kesimpulan: Perancangan desain antarmuka Sistem Informasi Rekam Medis PMB Mangkuyudan menggunakan metode *User Centered Design (UCD)* berhasil memenuhi kebutuhan pengguna dan berpotensi meningkatkan efektivitas pelayanan kesehatan di PMB Mangkuyudan.

Kata Kunci: User Interface, UCD, Sistem Informasi Rekam Medis, Pelayanan Kesehatan