

**PROTOTYPE DESIGN OF A CLINIC WEBSITE AS AN INFORMATION
AND SELF-SERVICE ONLINE REGISTRATION PLATFORM AT NIMA
MEDICAL AND REHABILITATION CENTER YOGYAKARTA**

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ABSTRACT

Background: Clinics as healthcare service facilities, according to the Regulation of the Minister of Health of the Republic of Indonesia Number 34 of 2022, are required to provide effective services supported by the utilization of information technology. Nima Medical and Rehabilitation Center Clinic Yogyakarta still uses registration processes through WhatsApp, telephone, and direct visits, causing obstacles in information management and patient scheduling. Therefore, it is necessary to design a website prototype as a medium for information services and independent online registration.

Objective: To design a clinic website prototype with information and self-service online registration features at Nima Medical and Rehabilitation Center Yogyakarta, analyze user requirements, and evaluate the usability of the resulting prototype.

Method: This study used a Research and Development (R&D) approach with the SDLC Waterfall model method and utilized the Figma application. Data were collected through interviews with 5 informants and usability evaluation using the System Usability Scale (SUS) questionnaire.

Result: Requirements analysis identified five key user needs: basic clinic information, integrated online registration, a user-friendly interface, health education articles, and complete contact and social media information. The prototype was designed with seven main pages: Home, Service Information, Health Articles, Clinic Gallery, Clinic Contact, Operating Hours, and Online Registration. SUS evaluation yielded an average score of 83.5, categorized as "Excellent" with grade "A" and within the "Acceptable" range.

Conclusion: The website prototype was successfully designed using the SDLC Waterfall method and Figma. A SUS score of 83.5 confirms the prototype meets good usability standards and is suitable as a foundation for further clinic information system development.

Keywords: Clinic website prototype, SDLC Waterfall, System Usability Scale

PERANCANGAN *PROTOTYPE WEBSITE* KLINIK SEBAGAI MEDIA INFORMASI DAN PENDAFTARAN *ONLINE* MANDIRI DI KLINIK NIMA *MEDICAL AND REHABILITATION CENTER* YOGYAKARTA

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ABSTRAK

Latar Belakang: Klinik sebagai fasilitas pelayanan kesehatan menurut Peraturan Menteri Kesehatan RI Nomor 24 Tahun 2022 dituntut mampu memberikan pelayanan yang efektif dan didukung pemanfaatan teknologi informasi. Klinik Nima *Medical and Rehabilitation Center* Yogyakarta masih menggunakan proses pendaftaran melalui WhatsApp, telepon, dan kunjungan langsung sehingga menimbulkan kendala dalam pengelolaan informasi dan penjadwalan pasien. Oleh karena itu, diperlukan perancangan *prototype website* sebagai media informasi dan pendaftaran *online* mandiri.

Tujuan: Merancang *prototype website* klinik dengan fitur informasi dan pendaftaran *online* mandiri, menganalisis kebutuhan pengguna, serta mengevaluasi tingkat kemudahan penggunaan *prototype* yang dihasilkan.

Metode: Penelitian pengembangan (*Research and Development/R&D*) dengan metode SDLC model *Waterfall*, menggunakan aplikasi Figma. Data dikumpulkan melalui wawancara terhadap 5 informan dan evaluasi *usability* menggunakan kuesioner *System Usability Scale* (SUS).

Hasil: Analisis kebutuhan mengidentifikasi lima dimensi kebutuhan utama: informasi dasar klinik, fitur pendaftaran *online* terintegrasi, tampilan *user-friendly*, artikel kesehatan, serta informasi kontak dan media sosial. *Prototype* dirancang dengan tujuh halaman: Beranda, Informasi Layanan, Artikel Kesehatan, Galeri Klinik, Kontak Klinik, Jam Operasional, dan Pendaftaran *Online*. Evaluasi SUS menghasilkan skor rata-rata 83,5 dengan kategori "*Excellent*", peringkat "A", dan rentang "*Acceptable*".

Kesimpulan: *Prototype website* Klinik Nima berhasil dirancang sesuai kebutuhan pengguna. Skor SUS 83,5 menunjukkan *prototype* memenuhi standar kemudahan penggunaan yang baik dan layak dijadikan dasar pengembangan sistem informasi klinik selanjutnya.

Kata Kunci: *Prototype website*, *SDLC Waterfall*, *System Usability Scale*