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**Perancangan Personal Health Record Pasien Post Stroke Berbasis Mobile Guna Meningkatkan Kepatuhan
Rehabilitasi dan Kemandirian Pasien**
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ABSTRAK

Latar Belakang: Pasien *post stroke* membutuhkan pemantauan kesehatan, pengobatan, dan rehabilitasi berkelanjutan untuk mendukung pemulihan dan meningkatkan kemandirian. Pemantauan tersebut masih terbatas pada kunjungan kontrol dan belum tersedia sistem yang mendukung pencatatan kondisi kesehatan, monitoring rehabilitasi, serta pendampingan berkelanjutan. Oleh karena itu, diperlukan perancangan aplikasi *Personal Health Record* (PHR) berbasis *mobile* sebagai sarana pendukung monitoring kesehatan dan rehabilitasi pasien *post stroke*.
Tujuan: Merancang *prototype personal health record* pasien *post stroke* berbasis *mobile* guna meningkatkan kepatuhan rehabilitasi dan kemandirian pasien.
Metode: Penelitian dengan jenis *Research and Development* (R&D) dan menggunakan metode *Prototyping*. Penelitian meliputi analisis kebutuhan melalui data wawancara, observasi, dan studi dokumentasi, perancangan desain cepat, perancangan desain antarmuka dan *prototype*, validasi desain, serta uji coba dan evaluasi menggunakan *System Usability Scale* (SUS).
Hasil: *Prototype* Sahabat Stroke dikembangkan berdasarkan kebutuhan pengguna dan digambarkan melalui *use case diagram, activity diagram, entity relationship diagram,* dan *user flow diagram*. *Prototype* aplikasi kemudian divalidasi oleh tenaga kesehatan serta diuji coba dan dievaluasi oleh pendamping pasien *post stroke*. Evaluasi *System Usability Scale* (SUS) menghasilkan skor 76,59 yang berarti *prototype* Sahabat Stroke termasuk dalam kategori "*Good*", *grade* B, dan status penerimaan "*Acceptable*", sehingga menunjukkan bahwa Sahabat Stroke mudah digunakan dan diterima dengan baik oleh pengguna.
Kesimpulan: Perancangan aplikasi Sahabat Stroke telah sesuai dengan kebutuhan pengguna dan dapat diterima dengan baik oleh pengguna. Pengembangan dan implementasi lebih lanjut direkomendasikan untuk meningkatkan interaktivitas dan integrasi dengan sistem informasi rumah sakit.

Kata Kunci: *post stroke*, *personal health record,* kepatuhan rehabilitasi, kemandirian pasien, *prototyping*

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ABSTRACT

Background: *Post-stroke patients require continuous health monitoring and rehabilitation to support recovery and improve independence. However, health and rehabilitation monitoring is still limited to follow-up visits, and no system is available to support continuous health recording, rehabilitation monitoring, and caregiver assistance. Therefore, a mobile-based Personal Health Record (PHR) application is needed to support health monitoring and rehabilitation for post-stroke patients.*
Objective: *Designing a mobile-based Personal Health Record prototype for post-stroke patients to improve rehabilitation adherence and patient independence.*
Methods: *This study employed a Research and Development (R&D) approach using the Prototyping method. Development included needs analysis through interviews, observations, and document reviews, rapid design, user interface and prototype development, validation by healthcare professionals, revision, and evaluating with caregivers using the System Usability Scale (SUS).*
Results: *The Sahabat Stroke prototype was developed based on user needs and modeled using use case, activity, entity relationship, and user flow diagrams. The prototype was validated by healthcare professionals and tested with post-stroke patient caregivers. The System Usability Scale (SUS) evaluation yielded a score of 76,59, indicating that Sahabat Stroke prototype falls into the "Good" category, received a grade of B, and achieved an "Acceptable". These results indicating that Sahabat Sroke is easy to use and well accepted by users.*
Conclusion: *The Sahabat Stroke application has met user needs and has been well accepted by users. Further development and implementation are recomended to improve interacticity and integration with hospital information systems.*

Keywords: *post stroke, personal health record, rehabilitation adherence, patient independence, prototyping*