

ABSTRAK

Latar Belakang : Perkembangan pesat teknologi informasi memberikan pengaruh pada proses digitalisasi kegiatan, salah satunya dalam lingkup kesehatan dalam bentuk *electronic personal health record*. Penderita hipertensi dalam lingkup masyarakat dunia terdapat 1,13 juta orang. Presentase upaya pengendalian hipertensi berupa tingkat kepatuhan mengonsumsi obat dan mengukur tekanan darah secara rutin sebesar 54,4% dan 12%. Pengembangan aplikasi *mobile electronic personal health record* dengan spesifikasi diagnosis yaitu hipertensi menjadi alat untuk mengendalikan tingkat keparahan hipertensi.

Tujuan : Merancang *user interface* aplikasi *electronic personal health record So – Hip* (Sobat Hipertensi) berbasis aplikasi *mobile*.

Metode : Tahapan perancangan menggunakan metode SDLC dengan model *waterfall*. Perancangan didasari oleh kegiatan studi literasi, studi eksplorasi, berpedoman pada Pedoman Tatalaksana Hipertensi Edisi Ketiga Kemenkes RI. Perancangan menggunakan perangkat lunak Figma, Coreldraw, Ms.Access, dan aplikasi *online* Lucidchart.

Hasil : Hasil perancangan *Unified Modeling Language* dan basis data aplikasi *So – Hip* terdiri dari 13 *usecase* dengan 2 aktor dan 9 *activity diagram*; rancangan basis data terdiri dari ERD, 10 tabel *database*, dan relasi antar tabel; dan rancangan tampilan *user interface*.

Kesimpulan : Evaluasi rancangan menunjukkan presentase sebesar 97,7% dari 44 responden yang memberikan pendapat bahwa tidak perlu adanya perbaikan tampilan *user interface*.

Kata Kunci : *Electronic personal health record*, aplikasi *mobile*, *user interface*, hipertensi.

ABSTRACT

Background : *Rapid development of information technology has impact for digitizing activities, one of which is in the health sphere in the form of electronic personal health records. There are 1.13 million people with hypertension in the world community. Present efforts to control hypertension in the form of adherence to taking medication and measuring blood pressure routinely by 54.4% and 12%, respectively. The development of a mobile electronic personal health record application with a diagnosis specification, namely hypertension, is a tool to overcome the severity of hypertension.*

Objective : *User interface for an electronic personal health record application So – Hip (Sobat Hypertension) based on mobile applications.*

Method: *Design stage uses SDLC method with the waterfall model. Design Based on literacy study activities, exploratory studies, guided by the Ministry of Health's Third Edition of the Management Guidelines for Hypertension. The design uses the software Figma, Coreldraw, Ms. Access, and the Lucidchart online application.*

Results: *Results of the Unified Modeling Language Design and So – Hip application database consist of 12 use cases with 2 actors and 9 activity diagrams; database design consists of ERD, 10 database tables, and relations between tables; and user interface design.*

Conclusion: *Evaluation of the design display shows a percentage of 97.7% of 44 respondents who give the opinion that there is no need for improvement of the user interface.*

Keywords: *Electronic medical record, mobile application, user interface, hypertension.*