

ABSTRAK

Latar Belakang : Klinik Korpagama UGM saat ini berencana melakukan penerapan rekam medis elektronik dokter keluarga dengan mengimplementasikan aplikasi SISFOMAS. Berdasarkan hasil observasi dan wawancara terhadap pengguna, didapatkan informasi bahwa aplikasi SISFOMAS ini sudah mampu melakukan *bridging* dengan P-Care. Akan tetapi, pada aplikasi SISFOMAS belum dapat menampilkan data kodefikasi dan klasifikasi penyakit berdasarkan ICPC-2 yang telah terhubung dengan kodefikasi pada ICD-10. Selain itu, aplikasi SISFOMAS tidak dapat mendokumentasikan riwayat penyakit keluarga dan pola hidup pasien. Hal tersebut mengakibatkan tertundanya pengimplementasian aplikasi SISFOMAS sebagai rekam medis elektronik di Klinik Korpagama UGM. Sehingga, dibutuhkan rancangan tampilan antarmuka untuk memenuhi kebutuhan pengguna.

Tujuan : Merancang tampilan antarmuka pada submenu pelayanan dokter keluarga sebagai implementasi rekam medis elektronik di Klinik Korpagama UGM.

Metode : Analisis kebutuhan pengguna dilakukan dengan metode pengumpulan data yaitu wawancara, observasi dan studi dokumentasi. Perancangan menggunakan aplikasi Microsoft Visio 2010 untuk membuat *Unified Modeling Language* (UML) serta Figma untuk membuat tampilan antarmuka.

Hasil : Berdasarkan analisis kebutuhan pengguna, dihasilkan rancangan *Unified Modeling Language* (UML) dalam bentuk *use case diagram* dan *activity diagram* serta dihasilkan tampilan antarmuka submenu pelayanan yaitu *login*, lihat status *screening lifestyle*, input *screening lifestyle*, lihat data *screening lifestyle*, input *family health history*, lihat riwayat *family history*, input *subjective, objective, assessment, plan* dan lihat pedoman ICPC-2.

Kesimpulan : Tampilan antarmuka pada submenu pelayanan dokter keluarga sebagai implementasi rekam medis elektronik di Klinik Korpagama UGM dikembangkan dari aplikasi SISFOMAS yang telah dirancang sesuai kebutuhan pengguna dan pedoman kodefikasi pada ICPC-2 serta ICD-10.

Kata Kunci: Tampilan antarmuka, dokter keluarga, rekam medis elektronik, *International Classification of Primary Care* (ICPC-2).

ABSTRACT

Background : Korpagama UGM Clinic currently plans to implement an electronic medical record for family medicine by implementing the SISFOMAS application. Based on observations and interviews with users, information was obtained that the SISFOMAS application was able to do bridging with P-Care. However, the SISFOMAS application has not been able to display the data codification and classification of diseases based on ICPC 2 that has been connected with the codification on ICD-10. In addition, the SISFOMAS application can't record family history and patient lifestyle. This resulted in the delay in implementing the SISFOMAS application as an electronic medical record at the Korpagama UGM Clinic. So, the interface design is needed to fulfill user requirements.

Objective : Designing an user interface for medical services submenu in the family medicine medical record as the implementation of an electronic medical record at the Korpagama UGM Clinic.

Methods : Analysis of user needs is done by data collection methods, which is interviews, checklist observation and study documentation. The design uses Microsoft Visio 2013 application to create Unified Modeling Language (UML) and Figma to create an user interface.

Result : Based on the analysis of user requirements, the resulting Unified Modeling Language (UML) design in the form of use case diagrams and activity diagrams as well as the appearance of the login display interface, see lifestyle screening status, input lifestyle screening, see lifestyle screening data, input family health history, see family health history, input subjective, input objective, input assessment, input plan and see ICPC guidelines 2.

Conclusion : The user interface in the medical service submenu as the implementation of an electronic medical record at the Korpagama UGM Clinic was developed from the SISFOMAS application that has been designed according to user requirements and based on ICPC-2 and ICD-10 guidelines.

Keyword : User interface, family medicine, electronic medical record, International Classification of Primary Care (ICPC 2).