

*USER INTERFACE DESIGN APPLICATION  
FOR INPATIENT ELECTRONIC MEDICAL RECORD ANALYSIS  
AT TK III HOSPITAL 04.06.03 DR. SOETARTO YOGYAKARTA*

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*ABSTRACT*

**Background:** *Electronic medical record analysis needs to be carried out in accordance with the mandate of the Minister of Health Regulation Number 24 of 2022. Utilizing information technology in carrying out electronic medical record analysis activities can make it easier for medical record officers. A simple and attractive user interface design needs to be designed to produce an application that is easy for users to use.*

**Objective:** *Knowing the problems and needs of users, designing user interface designs, and conducting trials of user interface design for inpatient electronic medical record analysis applications at Tk III Hospital 04.06.03 Dr. Soetarto Yogyakarta.*

**Method:** *This type of research is descriptive research with a qualitative approach and uses the prototype method in designing user interface design.*

**Result:** *User interface design is done by extracting information on user needs. The user interface design that has been designed can be accessed via the link: <https://bit.ly/DUIANALISIS>. The results of the user interface design acceptance test using the SUS method showed an average acceptance of 89.1.*

**Conclusion:** *The design of the user interface design of the inpatient electronic medical record analysis application has been adjusted to the needs of users and obtained SUS scores that are included in the acceptable, grade scale B, and best imaginable categories.*

**Keywords:** *design user interface, analysis qualitative, analysis quantitative, SUS.*

PERANCANGAN DESAIN *USER INTERFACE* APLIKASI  
ANALISIS REKAM MEDIS ELEKTRONIK RAWAT INAP  
DI RS TK III 04.06.03 DR. SOETARTO YOGYAKARTA

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ABSTRAK

**Latar Belakang:** Penganalisisan rekam medis elektronik perlu dilaksanakan sesuai dengan amanat Peraturan Menteri Kesehatan Nomor 24 Tahun 2022. Memanfaatkan teknologi informasi dalam melaksanakan kegiatan analisis rekam medis elektronik dapat memudahkan petugas rekam medis. Desain *user interface* yang sederhana dan menarik perlu dirancang untuk menghasilkan aplikasi yang mudah digunakan oleh pengguna.

**Tujuan:** Mengetahui permasalahan dan kebutuhan *user*, merancang desain *user interface*, dan melakukan uji coba penerimaan desain *user interface* aplikasi analisis rekam medis elektronik rawat inap di RS Tk III 04.06.03 Dr. Soetarto Yogyakarta.

**Metode:** Jenis penelitian ini adalah penelitian deskriptif dengan pendekatan kualitatif dan menggunakan metode *prototype* dalam perancangan desain *user interface*.

**Hasil:** Perancangan desain *user interface* dilakukan dengan melakukan penggalan informasi kebutuhan pengguna. Desain *user interface* yang telah dirancang dapat diakses melalui link: <https://bit.ly/DUIANALISIS>. Hasil Uji penerimaan desain *user interface* menggunakan metode SUS menunjukkan rata-rata penerimaan yaitu 89,1.

**Kesimpulan:** Perancangan desain *user interface* aplikasi analisis rekam medis elektronik rawat inap telah disesuaikan dengan kebutuhan pengguna dan mendapatkan skor SUS yang masuk dalam kategori *acceptable*, *grade scale B*, dan *best imaginable*.

**Kata Kunci:** desain *user interface*, analisis kualitatif, analisis kuantitatif, SUS.