

ABSTRAK

GAMBARAN USABILITY APLIKASI BANTUAN ASUHAN KEPERAWATAN BERBASIS ARTIFICIAL INTELLIGENCE, SDKI, SLKI, DAN SIKI (BAKBAIS3)

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Latar Belakang: Mahasiswa keperawatan sering mengalami kesulitan dalam proses penyusunan asuhan keperawatan secara manual menggunakan buku SDKI, SLKI, dan SIKI. Sejalan dengan hal tersebut, pada era industri 4.0 ini, teknologi berperan sangat penting dalam berbagai bidang, khususnya keperawatan. Oleh karena itu peneliti telah menyusun suatu inovasi berupa aplikasi untuk membantu proses penyusunan asuhan keperawatan bernama Bantuan Asuhan Keperawatan Berbasis *Artificial Intelligence*, SDKI, SLKI, dan SIKI (BAKBAIS3). Penelitian ini bertujuan untuk mengetahui gambaran *usability* aplikasi BAKBAIS3.

Metodologi: Penelitian ini menggunakan metode deskriptif kuantitatif. Sampel penelitian ini berjumlah 51 mahasiswa Pendidikan Profesi Ners Universitas Jenderal Soedirman angkatan 35 dan 36. Pengumpulan data dilakukan melalui kuesioner *System Usability Scale* (SUS) setelah penggunaan aplikasi BAKBAIS3 selama minimal tiga hari. Analisis data dilakukan secara univariat dengan uji statistik deskriptif.

Hasil Penelitian: Hasil penelitian diperoleh bahwa skor rata-rata SUS pengguna aplikasi sebesar 72,157 (SD=13,6292), sehingga diperoleh hasil akhir bahwa tingkat *usability* aplikasi BAKBAIS3 termasuk dalam kategori *acceptable* (dapat diterima) berdasarkan *acceptable scale*, kategori *passive* (pengguna pasif) berdasarkan *net promotor scale*, kategori *good* (baik) berdasarkan *adjective scale*, dan kategori *grade C* berdasarkan *grade scale*.

Kesimpulan: Aplikasi BAKBAIS3 dinilai baik oleh pengguna dan layak digunakan secara optimal. Namun, aplikasi ini masih memerlukan pengembangan dan perbaikan ke depannya.

Kata Kunci: *Artificial intelligence*; BAKBAIS3; SDKI; SUS; *usability*

ABSTRACT

OVERVIEW OF THE USABILITY OF THE ARTIFICIAL INTELLIGENCE, SDKI, SLKI, AND SIKI-BASED NURSING CARE ASSISTANCE APPLICATION (BAKBAIS3)

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Background: Nursing students often experience difficulties in the process of manually compiling nursing care using the SDKI, SLKI, and SIKI books. In line with this, in the era of industry 4.0, technology plays a very important role in various fields, especially nursing. Therefore, the researchers have developed an innovation in the form of an application to assist in the process of compiling nursing care plans called Artificial Intelligence-Based Nursing Care Assistance, SDKI, SLKI, and SIKI (BAKBAIS3). This study aims to determine the usability of the BAKBAIS3 application.

Method: This study used a quantitative descriptive method. The sample consisted of 51 Ners students from Jenderal Soedirman University, batches 35 and 36. Data collection was conducted using the System Usability Scale (SUS) questionnaire after using the BAKBAIS3 application for at least three days. Data analysis was performed using univariate descriptive statistical tests.

Research Results: The results of the study show that the average SUS score of application users is 72.157 (SD=13.6292). The final result of the BAKBAIS3 usability application is in the acceptable category based on the acceptable scale, passive category based on the net promoter scale, good category based on the adjective scale, and grade C category based on the grade scale.

Conclusion: The BAKBAIS3 application is rated highly by users and is suitable for optimal use. However, this application still requires further development and improvement in the future.

Keyword: *Artificial intelligence; BAKBAIS3; SDKI; SUS; usability*

