

Jurnal SMART Keperawatan

STIKes Karya Husada Semarang ISSN Online : 2502-5236

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#700 Summary

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Submission

Authors	Sidik Awaludin, Galih Noor Alivian, Aprilia Kartikasari, Dwi Novitasari
Title	Electronic-Tindak Lanjut Tensiku (E-TITENKU) Intervention Model Development for The Prevention of Coronary Heart Disease
Original file	700-3805-1-SM.DOCX 2022-11-04
Supp. files	None
Submitter	Sidik Awaludin
Date submitted	November 4, 2022 - 04:06 PM
Section	Articles
Editor	Andri Nugraha
Abstract Views	94

Status

Status	Published Vol 9, No 2 (2022): Desember 2022
Initiated	2022-12-21
Last modified	2022-12-24

Submission Metadata

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Title and Abstract

Title Electronic-Tindak Lanjut Tensiku (E-TITENKU) Intervention Model Development for The Prevention of Coronary Heart Disease

Abstract

Coronary Heart Disease is still the leading cause of death globally. Therefore, primary prevention efforts are needed to reduce morbidity and mortality from Coronary Heart Disease. The era of the industrial revolution demands the use of digital information technology in solving every problem, including in the field of nursing. Electronic Tindak Lanjut Tensiku (e-TITENKU) is a nursing intervention application designed to increase knowledge of coronary heart disease prevention through controlling blood pressure and direct nursing interventions if the user has hypertension according to their level. The purpose of this study was to develop an e-TITENKU intervention model for the prevention of coronary heart disease. The design of this research is research and model development, where researchers develop models and applications based on web and smartphones based on theoretical studies, for smartphone application operations. application using Analysis, Design, Development, Implementation, and Evaluation (ADDIE) approach. The results of the research on the e-TITENKU model have been compiled and the results of 2 expert tests obtained Kappa test results of 0.85. This model can be used easily to categorize the level of hypertension, providing nursing interventions to reduce hypertension according to the level.

Keywords: coronary heart disease; hypertension; nursing intervention model; smartphone

Pengembangan Model Intervensi Electronic-Tindak Lanjut Tensiku (E-TITENKU) untuk Pencegahan Penyakit Jantung Koroner

ABSTRAK

Penyakit jantung koroner masih menjadi penyakit penyebab kematian tertinggi di tingkat global, sehingga diperlukan upaya pencegahan primer untuk mengurangi kesakitan dan kematian akibat penyakit jantung koroner. Era revolusi industri menuntut penggunaan teknologi informasi digital dalam menyelesaikan setiap permasalahan termasuk dibidang keperawatan. Electronic Tindak Lanjut Tensiku (e-TITENKU) merupakan model intervensi berbasis teknologi yang dirancang untuk meningkatkan pengetahuan dan keterampilan dalam mengelola hipertensi. Tujuan penelitian ini adalah untuk mengembangkan model intervensi berbasis teknologi untuk pencegahan hipertensi. Desain penelitian ini adalah penelitian pengembangan model dan aplikasi berbasis web dan smartphone berdasarkan studi teoritis, untuk operasi aplikasi berbasis smartphone menggunakan pendekatan Analisis, Desain, Pengembangan, Implementasi, dan Evaluasi (ADDIE). Hasil penelitian menunjukkan bahwa model intervensi berbasis teknologi yang dikembangkan telah memenuhi kriteria ahli dan uji coba ahli. Hasil uji coba ahli menunjukkan bahwa model intervensi berbasis teknologi yang dikembangkan dapat digunakan untuk meningkatkan pengetahuan dan keterampilan dalam mengelola hipertensi. Model ini dapat digunakan untuk mengkategorikan tingkat hipertensi, memberikan intervensi keperawatan untuk mengurangi hipertensi sesuai dengan tingkatnya.

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(e-TITENKU) merupakan aplikasi intervensi keperawatan yang disusun untuk meningkatkan pengetahuan pencegahan penyakit jantung koroner melalui pengontrolan tekanan darah dan intervensi keperawatan secara langsung apabila pengguna mengalami hipertensi sesuai levelnya. Tujuan penelitian ini untuk mengembangkan model intervensi e-TITENKU untuk pencegahan penyakit jantung koroner. Desain penelitian ini yaitu research and model development yaitu peneliti melakukan pengembangan model dan aplikasi berbasis web dan smartphone berdasarkan kajian teori, untuk operasional aplikasi smartphone, aplikasi dengan menggunakan pendekatan Analysis, Design, Development, Implementation, dan Evaluation (ADDIE). Hasil penelitian model e-TITENKU telah disusun dan hasil uji 2 orang pakar diperoleh hasil uji Kappa 0.85. Model ini dapat digunakan secara mudah untuk mengkategorikan level hipertensi, pemberian intervensi keperawatan untuk menurunkan hipertensi sesuai levelnya.

Kata kunci: hipertensi; jantung koroner; model intervensi keperawatan; smartphone

Indexing

Language en

Supporting Agencies

Agencies —

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Title Electronic-Tindak Lanjut Tensiku (E-TITENKU) Intervention Model Development for The Prevention of Coronary Heart Disease
Section Articles
Editor Andri Nugraha 

Peer Review

Round 1

Review Version 700-3806-1-RV.DOCX 2022-11-04
Initiated 2022-11-15
Last modified 2022-12-08
Uploaded file Reviewer A 700-3975-1-RV.DOCX 2022-12-08
Reviewer A 700-3975-2-RV.DOCX 2022-12-08
Reviewer B 700-3944-1-RV.DOCX 2022-12-01
Reviewer B 700-3944-2-RV.DOCX 2022-12-01

Editor Decision

Decision Accept Submission 2022-12-21
Notify Editor  Editor/Author Email Record  No Comments
Editor Version 700-3973-1-ED.DOCX 2022-12-08
700-3973-2-ED.DOCX 2022-12-08
700-3973-3-ED.DOCX 2022-12-08
700-3973-4-ED.DOCX 2022-12-08
Author Version 700-3980-1-ED.DOCX 2022-12-10 DELETE
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Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA	REQUEST	UNDERWAY	COMPLETE
1. Initial Copyedit File: None	—	—	2022-12-21
2. Author Copyedit File: 700-4005-1-CE.DOCX 2022-12-21 Choose File No file chosen Upload	2022-12-21	2023-03-29 	
3. Final Copyedit File: None	—	—	2022-12-21

Copyedit Comments  No Comments

Layout

Galley Format	FILE	
1. PDF VIEW PROOF	700-4025-1-PB.PDF 2022-12-24	43
Supplementary Files	FILE	
	None	

Layout Comments  No Comments

Proofreading

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1. Author	2022-12-24	2023-03-29 	
2. Proofreader	2022-12-24	—	2022-12-24
3. Layout Editor	2022-12-24	—	2022-12-24

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