Development of Website-Based Tool for Nursing Data Analysis

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Abstract	Background. Analysis of nursing data has been carried out manually based on the knowledge and experience of nurses with the main reference being the Indonesian Nursing Diagnosis Standards (SDKI). This has limitations, namely that the nursing diagnosis determined is not comprehensive and requires a relatively long time to validate with the SDKI. Even though the hospital has Hospital Management Information System (SIMRS) for documentation of nursing care, the selection of nursing diagnoses is still manual and there are no tools for nurses to analyze nursing data based on the SDKI at the early stages of the nursing process. Therefore, it is important to develop nursing data analysis tools that can be accessed online. Methods. The aim of this research is to develop a website to automate nursing data analysis. The design of this research is the waterfall method which consists of communication, planning, modeling, construction and deployment. Results. The research results show that the website-based tool for nursing data analysis can be accessed via https://bit.ly/ramutnursingdataanalysis or https://rnda.ramut.my.id. Conclusion. Website-based tool for nursing data analysis can be accessed and used by nurses anywhere and at any time to analyze nursing data so that nurses can determine nursing problems more quickly and precisely according to the Indonesian Nursing Diagnosis Standards.
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