

***Design and Development of a Website-Based Inpatient Daily Census
Information System at TK.III Baladhika Husada Jember Hospital***
Bakhtiyar Hadi Prakoso, S.Kom., M.Kom (*Supervisor 1*)

Bagas Febriyansyah
*Health Information Management Study Program
Health Department*

ABSTRACT

Inpatient daily census (SHRI) is the activity of processing or calculating the activities of admission and discharge of inpatients within 24 hours from 00:01 to 23:59 and sent to the medical records unit at 08:00 every morning. The results of the preliminary study conducted, Tk.III Baladhika Husada Jember Hospital already has a Hospital Health Information System (SIMRS) that is already running, but there is no inpatient daily census feature so that the inpatient daily census is not carried out. The room nurse records the entry and exit of patients using a register book, and the reporting officer still calculates the results of inpatient indicators using Microsoft excel. This study aims to design and create a website-based Inpatient Daily Census (SHRI) information system at TK.III Baladhika Husada Jember Hospital. This type of research uses the extreme programming development method. Data collection techniques include interviews, observation, and documentation. The analysis stage is through analyzing problems and system requirements. The design stage uses a flowchart system, Usecase Diagram, Class Diagram, Activity Diagram and ERD and Interface Design. The program creation stage uses the PHP programming language, MySQL database, and Laravel PHP Framework. The testing stage uses blackbox testing. The result of the research is a website-based inpatient daily census information system that can facilitate and overcome existing problems with the advantages of being able to calculate automatically, can print reports according to Microsoft excel templates in the hospital, and can import patient data from SIMRS to make it easier for nurses to retrieve patient data. Suggestions For further researchers, namely being able to evaluate the inpatient daily census system in order to add features such as providing information about the RL 2.1 report and development, namely by integrating into SIMRS.

Keywords: *Inpatient Daily Census, System, report, extreme programming*