

***Design And Development Of Web-Based Daily Census Information System In  
Bhayangkara Hospital, Lumajang District***

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**ABSTRACT**

*The very rapid development of technology makes human work lighter due to the help of information technology. The daily inpatient census at the Bhayangkara Hospital in Lumajang Regency is still being done manually. The impact that occurs, is less efficient in terms of time and energy as well as low data accuracy. The purpose of this study was to design and create a daily inpatient census information system to increase effectiveness in processing daily census reports of inpatient medical records at Bhayangkara Hospital, Lumajang Regency. The method used in this research is the waterfall system development method. The research subjects consisted of 4 people including 1 nurse officer, 2 recapitulation officers and head of medical records. Collecting data using observation, interviews and documentation. Making a daily inpatient census information system starts from requirement definition, system and software design, implementation to a programming language and Black Box testing that has been tested on 3 respondents including 2 recapitulation officers and the head of medical records. The result of this research is a daily inpatient census website at Bhayangkara Hospital, Lumajang Regency. The advantage of this information system is that it can calculate the BOR, avLOS, TOI and BTO of the hospital automatically, display on the Batber Jonhson graph and display historical data on cases of disease and patients die per year. It is hoped that the results of this study will be able to facilitate the processing of daily census data and produce accurate reports and be able to solve problems caused by manual daily census implementation.*

**Keywords:** *Bhayangkara Hospital, Daily Census, Information Systems, Inpatient, Waterfall.*