

**Design and Development of Web-Based Inpatient Service Reporting
Information System at Bangil Hospital Pasuruan Regency**

Bakhtiyar Hadi Prakoso, S.Kom., M.Kom

Evira Afrida

*Health Information Management Study Program
Department of Health*

ABSTRACT

Bangil Regional General Hospital carries out daily censuses and paper-based reporting. Delays in recapitulating the daily inpatient census at Bangil Regional Hospital could result in the reporting of inpatient indicators not being completed on time. The paper-based daily census also has the impact that SHRI documents become crumpled due to being piled up, writing errors, the risk of errors and incomplete data that officers have to re-input into the computer. This research aims to design and create a Web-based Daily Inpatient Census Information System at Bangil Hospital, Pasuruan Regency. The method used is the Scrum method with stages of product backlog analysis, sprint planning, sprint implementation, and sprint review. The results of the system and software design use data flow diagrams and entity relationship diagrams. The test results using the black box method show that the features have been successfully tested according to the expected features. The Web programming language used is PHP with the CodeIgniter 4 Framework and uses a MySQL database. The results of this trial are in the form of an information system that can help and make it easier for officers to process the daily inpatient census and inpatient indicator reports so that the results of data processing can have a good influence on future hospital quality planning.

Keywords : *Inpatient, Reporting, Scrum, System*