

Abstract

Based on the authors' survey, the majority of class E hospitals still apply non-computerized system to conduct daily operational activities. Puti Bungsu Hospital is a Class E hospital that daily serves 40-70 patients and always increases in a four-month cycle. That situation makes a problem, especially for the director of Puti Bungsi hospital, because as a director requires a system that can evaluate hospital operations, which are used as a reference in strategic decision making. The problem begins because the data of operational activities that are available today are not managed properly. It happens because there is no integrated system for employees so that the employees difficulty in managing the data of each process performed.

This research is focus to analytics and development of Online Transaction Processing (OLTP) system using Scrum. Scrum is Agile, it will be suitable for Puti Bungsu hospital condition which has limited in fund, time and human resources. The result of this research is to produce Online Transaction Processing (OLTP) system that helps director to evaluate hospital activities. Evaluation results with User Accepted Testing (UAT), Usability Tesing and Scrum analitycs based on project development shows the Online Transaction Processing (OLTP) system with Scrum can comply functionality and project management requirement of Puti Bungsu hospital.

Keywords: Class E hospital, Online Transaction Processing (OLTP, Scrum, Evaluation.