Abstract

The objective of this thesis is to create an application to support the registration, appointment, pharmacy, and inventory processes in a small clinic. This application is intended to be used in Klinik Kencana Loka which is located in Bumi Serpong Damai (BSD) city. The application is created using PHP as the scripting language, MySQL as the database management system and HTML and CSS as the user interface. The proposed system is intended to help the Pharmacy in Klinik Kencana Loka to manage the medicine sales transaction process and inventory control so that it would lower down the inaccurateness of the calculation for the sales transaction and data gathering in order to manage the product stock so that overstock can be avoided also product availability can be assured. For this project, The Staged Delivery Software Development Model is used as the methodology. The results, the new system is capable to manage the patient’s registration in different way. Besides, the system is also able to record all the appointment, and track each appointment status from the first time it was made until it is done. For the Pharmacy and Inventory subsystem, the new application supports the medicine sales transaction such as automated medicine cost calculation, keep record all the sales transaction, prescription details and sales summary daily or monthly. The new system also helps the inventory control by giving alert on those products which availability is below its minimum quantity and near its expiry date, auto-updated product stock after each medicine sales and recorded supplier details and purchase order. The application has also been tested successfully in the clinic and the feedback from the questionnaire which our team has distributed to the staff results a good comment and the staff are satisfied with the application.

Keywords
PHP, MySQL, Pharmacy and Inventory control, Data Gathering, Staged Delivery Software Development Model.