ABSTRACT

Praktek Dokter Hewan Bersama is one of the veterinary clinic in the city of Medan which was opened on September 8, 2019. The Praktek Dokter Hewan Bersama has a variety of complete facilities but not many people in the city of Medan know. The system applied in this veterinary clinic is still classified as conventional, so the current system is not effective enough to process all activities.

The problem that is currently happening at the Praktek Dokter Hewan Bersama is the difficulty of managing finances. This occurs because the recording of each transaction has not been well standardized, so that the recording is not clearly and neatly arranged and even there are still some unrecorded transactions.

For this reason, the Praktek Dokter Hewan Bersama need a management information system that can support several business activities, especially in the recap of financial transactions. The application design process uses agile methods with UML (Unified Modeling Language) tools in describing system modeling. In UML, there are several diagrams including use case diagrams, activity diagrams, class diagrams, sequence diagrams, and database systems. The programming language used is the PHP programming language using the My Structure Query Language (MySQL) database.

The test used to test this application is based on ISO 9126 standards by testing several characteristics to test the quality of a software including aspects of functionality, security, usability, efficiency, maintainability, and portability.

The application to be made is expected to provide convenience and overcome the problems that occur in the financial management of Praktek Dokter Hewan Bersama.

Keywords: *Information System, Transaction, Cashflow, Financial, Blackbox testing, ISO 9126*