ABSTRACT

Yayasan Pendidikan Telkom is a foundation in Indonesia that carries the concept of One Pipe Education System (OPES). In supporting all activities, of course, the Telkom Education Foundation has assets to meet existing needs such as buildings, land, and others. The assets owned need to be managed in a structured and systematic manner, such as the submission of maintenance and repairs which are still done manually, the calculation of asset revaluation is still calculated manually, and the recording of land and building tax data that has not been integrated with land data. In this research, the emergence of a solution to overcome this problem is to build an application that can make it easier to carry out asset management activities, the functionality of this application includes maintenance and repair transactions, asset revaluation, and land and building tax data. The method used in building this application uses the design of Use Case Diagrams, Class Diagrams, Sequence Diagrams, Activity Diagrams, My Structure Query Language (MYSQL) databases, Entity Relationship Diagrams (ERD), Hypertext Preprocessor (PHP) programming languages, using the System Development Life Cycle (SDLC) method with a prototype type and to test this application using the Black Box Testing method, and based on application testing carried out using the method used to build the application, the application can already be implemented.

Keywords: Maintenance, Repair, Land and Building Tax, Revaluation, Black Box Testing