

The Design and Implementation of Maintenance and Observation of Information System in PTIIK

ABSTRACT

Property maintenance is a part of the goods maintenance. Goods property and infrastructure maintenance process is lack of specific application using. The problems appear due to that lacking of specific application such as: 1. General and equipment staff has to check broken property one by one. 2. Cooperation unit of PTIIK have to come by themselves to tell the general and equipment staff that there are broken property in PTIIK. 3. General and equipment staff have to come to vice of head officer and second-vice head officer to submit monthly property condition report. Those problems won't make easy for general and equipment staff to maintain and observe media and infrastructure in PTIIK.

To overcome those problems, an information system is needed. This infrastructure system will ease the duty of those who are involved in the process of property maintenance and observation. The process include: property management, property repair management, make sure the monthly property condition report exactly, and make sure property repair status.

In this research, the information system built using the 'waterfall' approach with PHP programming language, and My SQL database as data storage platform. Besides, the system can be accessed through mobile phone by using mobile browser. It will make easy for those whoever wants to access the system anywhere and everytime. The result of this research are as follows: (1) the data structure, application, and technology, (2) the result gotten from the blackbox experiment can fulfill the needs of software which is expected, (3) from the user acceptance test, it can be conclude that most of the users agree with all factors with the percentage of 80,5% on ease factor, 81,95% on advantage factor, and 84,71% an acceptance factor.

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