DESIGN AND IMPLEMENTATION OF DASHBOARD APPLICATION BASED ON INTRANET: CASE STUDY RELIABILITY DEPARTMENT OIL AND GAS COMPANY

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Abstract

Production Division Oil and Gas Company has three departments, namely maintenance reliability department, operations department, and technical department. Maintenance reliability department has some responsibility. That are routine checks, cleaning the equipment, replacement the broken equipment, and planned maintenance policy for the great facility reliability. Problem from this research come from the last responsibility. Therefore, this research make an application that can support the last responsibility.

Reliability Centered Maintenance Concept (RCM) is the concept for doing maintenance structurely to maintain company equipment function in operational requirement. With this concept, that requirement can be fulfilled. This concept close relation with Enterprise Asset Management (EAM), part of Enterprise Resource Planning and be used for recording and transaction processing assets. In this application, the involvement of the ERP system lies in the dataset used in the application made. In this application development using Oracle WebCenter portal technology because it can integrate and access all stored data. Thus, companies can integrate these applications with existing applications or with applications that will be made in the future. The design of the selected interface is using the dashboard. Dashboard to be one means of delivering information as it is believed to help users quickly understand a condition that occurs through the images displayed.
Application has been made and then tested its functionality. Testing is done through scenarios that reflect the features of the application. In this study, the application has been successfully carried out trial runs and all functionality as expected. Moreover, in this final project, application tested to user directly and fulfill user needs, proved with user acceptance test.