APPLICATION OF TASK MANAGEMENT AND TRACKING ENGINEER AT PT. PRODATA SYSTEMS TECHNOLOGY BASED ON WEB

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Abstract: Information Systems is now an important part of a company. Information is not only an asset, but also supports in the process of Task Management and decision-making processes that affect the performance of the company. Therefore Information should be kept and processed in a system without reducing the ease of access to such information. In a company, there are often problems in terms of management, its causes ranging from human resources who have not access to information systems related to how to solve problems that he faced, or indeed there is no system that regulates it. Applications Task Management and Tracking Engineer will perform the process of maintenance tasks, distribution tasks to the relevant divisions and monitoring process and its results, then will get the report will be the performance of Engineer and can be taken precautions will a problem in the future. Mobile web-based applications can be accessed by the browser on all devices either desktop, notebook or smartphone, making it easier in terms of access whenever and wherever.

Keywords –On Line Shop; quality; service; information technology;

I. INTRODUCTION

Growing in technology is currently pushing developed business processes that exist within an enterprise. Where technology made tools and media work and services performance improvement. Technology information systems also made a supporting decision-making by a company, therefore, the information system is essential for the sustainability of the company itself. But nonetheless there are still some points of the process on a company or Government agencies that still have not been able to adopt the technology as a tool supporting the process evenly to each Division, the reason is varied, ranging from any system which does complicated, or even its human resources are still not able to adapt such technology will be: One of them is the task management or task management that is in PT. Prodata Systems Technology Division Engineer, where these do not yet have task management standardization as well as in distribution and reporting his still is manually via the calendar as well as the recording of his still performed without standards or by its own initiative. Therefore, the process of tracking and task management Engineer at PT. Prodata Systems Technology-prone faults that appeared later on her will have an effect on the service to the client.
The purpose of the creation of this research are: improve the performance of stakeholders related to task management and tracking Engineer which is certainly reliable, minimize errors, minimize redundancies in the data, and can be seen wherever and whenever by Engineer, accelerate the search process Engineer available appropriate areas of expertise possessed by using the calculation load task, improve service quality by means of the easy stakeholder's monitor progress of work Engineer wherever and whenever and accelerating the process of report or report on Division Engineer and deliver a report which can be used by the user or management in decision-making or precautions for unwanted things. The benefits of this research are conducted: improve the quality of service and problem resolution within the company and with the Application Task Management and tracking Engineer, can monitor and management jobs (assignment) that there is a division within a company is created to replace the reminders of the assignment and can distribute and mapping the task, so come by the performance of the Engineer's work better.

II. RELATED WORK

Task management or task management is the process of managing tasks through its life cycle. This involves planning, testing, tracking and reporting. Task management can help an individual achieve a goal, or a group of individuals collaborate and share their knowledge for the achievement of common goals. It is also distinguished by the complexity of the task, from low to high. Management tasks that require effective management of all aspects of the task, including the status, priority, time, human resources and financial resources, notifications and so on. This can be combined in General into a basic activity is the management of the task. Manage multiple assignments of individuals or teams may require special applications, such as workflow or project management software (Thomas, 2010). Task management can be a part of project management and process management and can serve as the Foundation for an efficient workflow within an organization. Tracking literally means celebrates the street, or in the sense of free will, is an activity to follow the trail of an object. Understanding Tracking in this instance is that the activities to monitor the status of a performance Engineer. According to ABET (Accreditation Board for Engineering and Technology, or the ECPD engineer's Council for Professional Development) in America, Engineer is a profession in which knowledge of mathematics and natural sciences gained through education, experience, in practice was applied properly to find economical ways in utilizing ingredients and natural abilities for the sake of the benefit of the human race. Object-oriented Unified Modeling approach language (UML 2.0) from the Object Management Group (OMG) and is found by Grady Booch, James Rumbaugh and Ivar Jacobson. Model-driven approach, the analysis starts with use cases and scenarios then defining class domain problems involved the work of the users. Including models UML (Unified Modeling Language) diagrams Use case requirements, description of Use case diagrams, activity diagrams and sequence. (Alan Dennis, 2012) UML) is a notation, family help and describing software design, especially systems that are built using object-oriented programming (OOP). Other languages such as UML also defines the notation and syntax, UML is derived from some previous notation i.e. Grady Booch OOD (Object-Oriented Design), Jim Rumbaugh OMT (Object Modeling Technique) and Ivar Jacobson OOSE (Object-Oriented Software Engineering).

III. METHOD

**Narrative Task Management Procedures are:**

1. Give power, the user gave the task to the Engineer, which according to the user has time to spare and ability in the related manual farmed ingredients
2. Approves the task, next the Manager approves the task given user
3. Accept the task, engineer receives a task that has been approved by the German Manager, as well as the time and place specified by the user
4. Complete the task, engineer job in accordance with ability in their field, and then make a report completed on the document
5. confirm the Status of the task, if you already get data Task the user confirm the status of the tasks that have been executed Engineer.

The following activation can do the user on the application Task Management that will be developed:

1. Do requests, Engineer
2. View and the removal of the update progress
3. Do change the status of the task by way of validation

The following aktivitasi can do Task Application Engineer on Management that will be developed:

1. Look at the list of tasks that will be carried out
2. Update progress

The following aktivitasi can be done in the Task Management Application Manager that will be developed:

1. Look at the list of tasks that are being worked on
2. Do the additions, changes, deletions and updates the estimated time when necessary
3. Do the print report Task?
IV. IMPLEMENTATION

The following is the implementation of the program in accordance with the design of the screen that have been created, among other:

Fig. 1. Flowmap Task Management

Fig. 2. Use Case Diagram Task Manager

Fig. 3. Class Diagram

Fig. 4. Users' login
Fig 5. Admins Dashboard

Fig 6. Users Dashboard

Fig 7. Engineer Dashboard
V. CONCLUSION

The following are the conclusions based on the process of research, development and testing Task Management Application & Tracking Engineer case study on PT Prodata Systems technologies:

1. Task Management Application & Tracking Engineer managed to perform maintenance tasks or task and doing mapping and documentation task tracking with related divisions &

2. Task Management Application & Tracking Engineer managed to do the task priority in distribution system.

3. Task Management Application & Tracking Engineer managed to do monitoring and tracking Task Management

4. Task Management Application Tracking processes successfully Engineer & performance report on Division Engineer.

REFERENCES