ABSTRACT

Information System Of Arranging Schedule For Water Pressure Gauge Rent and Service in PT. Dwikappa Asri Utama

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PT. Dwikappa Asri Utama requires an information system to process scheduling rentals. The current system are still not able to meet the needs of the company so often the case clashed in occupancy scheduling and data management problems that have not been structured properly.

In the process of developing the scheduling information system rental and maintenance use descriptive research method with type research of case studies on companies, which used data collection techniques, among others, that is observation, interview and literature study. The method used in the process of scheduling is SAW (Simple Additive weighting). For data analysis techniques used in software development methods waterfall while system data stream method using object oriented modeling where the tools used is UML (Unified Modeling Language). The aim of developing the scheduling information system rental and maintenance is to simplify managing rental scheduling, avoiding clashes in the rental and to simplify and speed up data processing.

Once through stages in accordance with selected development method hence in implementing scheduling information system rental and maintenance, the test system consisting of an alpha test where the test method of black box examination focused of functional requirements and software beta test is test of field with gave questionnaires to the user that contains the questions refer to the final destination. After alpha and beta testing, can be concluded that functional systems can already produce the expected outputs scheduling information system rental and maintenance can be assessed easier to manage the scheduling, can be studied, quite easy to use, can speed up data processing and produces the desired information

Keywords: Scheduling Information System, Simple Additive weighting, Unified Modeling Language