ABSTRACT

PERSONNEL INFORMATION SYSTEM AT PT. CILEGON RAYA UTAMA MOTOR

By

Olga Dwi Hendriana
10108560

PT. Cilegon Raya Utama Motor is a company specializing in transportation, general trade, and vehicle repair services. One of the units in PT. Cilegon Raya Utama Motor's organizational structure is personnel unit whose duties are to conduct personnel affairs such as attendance, archives, payroll, and employee leave. Various problems often happen in the personnel unit, among others, the absence recapitulation that has not been integrated yet with other personnel systems, the long duration of new employee registration, difficulty in knowing information on leave because the system has not been computerized yet, and the long time of making a payroll report.

Due to the problems, a personnel information system was built by the support of RFID technology as an input device support. The software research methodology used a waterfall model, where as the data modeling used structured methods, namely, Entity Relationship Diagram (ERD) to describe data model and Data Flow Diagram (DFD) to describe functional model. The data of analytical result was then interpreted into a programming language by using Borland Delphi programming language and MySQL database.

After accomplishing the stages according to the selected development method, the implementation of this information system was followed up by testing the system, where this test used a blackbox method that focused on the functional requirement of software and beta test, that is a field test by providing questionnaire to PT. Cilegon Raya Utama Motor's employees and by interviewing to PT. Cilegon Raya Utama Motor's administrators and operators. After conducting the blackbox test and beta test, it could be concluded that functionally the system could already produce information as expected, by a desktop that has a quite attractive display and that makes it easy for the user to conduct personnel data processing.

Key words: Personnel information System, RFID, ERD, DFD, Waterfall model, PT. Cilegon Raya Utama Motor.