ABSTRACT

INSPECTION INFORMATION SYSTEM ONLINE INTERRUPTION CONNECTION SUBSCRIPTION OF WATER AT PDAM TIRTA RAHARJA BANDUNG REGENCY

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Perusahaan Daerah Air Minum (PDAM) Tirta Raharja Bandung Regency is the only Badan Usaha Milik Daerah (BUMD) that has the task to providing water services to the public of Bandung regency. There are some services provided to customers, including new installation, connection termination, inspection interruption connection subscription, etc. In dealing with inspection interruption connection subscription, officials Subscription Service (SS) submit the News Event Inspection Connection (NEIC) to the engineering to be followed up. But it will take a while and the data are less updates because the officers have to complete all inspection before submitting back to the SS officer. In addition, the performance of the engineering field officers are not observed by the SS in real time, repetitive data entry process by the SS and the engineering, then verifying the data meet another challenge because of differences in systems that used by the Cooperative and branch of PDAM.

By this situation, it would require to development a system for inspection interruption connection subscription effectively with valid data retrieval as well as recurrence does not occur. SS will be able to verify the data from the server using a web-based system as the back end transmitted by the engineering field officer through the android mobile system as a front end.

Inspection information systems development on android using java programming language, for the analysis used object-oriented modeling and UML (Unified Modeling Language) as a tools, whereas back end system or the website using PHP programming language, analytical methods used structured flow method and using Data Flow Diagram (DFD), Context Diagram and Entity Relationship Diagram (ERD) for database design. Software development at both the system uses waterfall method.

Key words: android, website, PDAM, inspection