

ABSTRACT

Bandung Regency Government is the division of administrative territory that represents a government agency responsible in all affairs in the Information and Communication Technology in Bandung Regency. In the current conditions, in Bandung Regency Government has a data center which function as an important component in providing information technology services and run all business processes. Then in order to maintain the work function and data storage required physical security to maintain its integrity.

Data center on Bandung Regency Government has not implemented physical security well, therefore it is needed a design that can maintain institutional assets so does not cause significant losses due to weak security system. Design that fits the need of Bandung Regency Government data center is design of physical security system. In designing this data center security system using PPDIOO Life-Cycle Approach method in three initial stages, Prepare, Plan, Design that designed according to standard EN50600-2-5. The PPDIOO Life-Cycle Approach method is used to cover all needs like data center and maximize data security for long-term development of Bandung Regency Government data center.

The output of this study is the design of Bandung Regency Government security system data center in accordance with standard EN50600-2-5 apply on the availability class 1 as a parameter. The end result in class 1 is the physical security recommendation entering the data center area is categorized into three that is access for employees, access to guests, and access to the introduction. In maintaining the boundary of the area it is proposed the use of RFID Anti-passback door device to prevent personal who have no authority to enter the room. To maintain the integrity of existing devices in the data center, proposed fire detection and suppression system in case of fire

Keywords : Data Center, Security System, PPDIOO Life-Cycle Approach, EN50600-2-5.