

## ***ABSTRACT***

*Data Center is a kind of facility used for putting data and network device system centrally. The construction of main data infrastructure will require several factors. One important factors is the physical security for avoiding and protecting the data center area from any threat such as force majeure, device stealing, etc.*

*The scope of this research is DISKOMINFO Bandung District Government. Based on data collection, it was found the physical security device that should be installed is not found and this can become a threat for data center. The solution is making a plan and design of physical security which is appropriate with standard reference.*

*Final result of this research consists some designs for data center physical security using three step of PPDIOO methode and adjusted with International Standard TIA-942-A. Those designs includes video camera surveillance system design, that is IP camera with 20 fps minimum specification, access control security design that uses card and biometric access on the entrance of server room, intrusion detection device for surveillance which is an alarm system for room protection, and fire suppression system design which uses FM200 clean-agent with gas form material for anticipating if there is a fire in the protected room.*

*Keywords:*

*Data Center, Physical Security, CCTV, Access Control, Fire Suppression, TIA-942-A.*