ABSTRACT

In the current state of technology development, data center becomes one of the important needs. It is requiring data center to provide an optimal service in the process of an agency or a company business especially in terms of security.

Dinas Perhubungan Komunikasi Dan Informatika *(*DISHUBKOMINFO*)* Tasikmalaya *city is one of governmental organizations in* Tasikmalaya *that has applied data center to support the business purposes. Yet in the running*, DISHUBKOMINFO Tasikmalaya *city has some problems due to the management weaknesses of the data center itself. The occurring problems are such as the under standard conditions of data center space, the un-maximal physical security of data center, the lack of logical data center security services and the absence of fire prevention system. Based on those existing problems*, it is necessary to design *a physical security of data center in accordance with TIA-942 standard also to outline* a *logical security design in accordance with ISO / IEC 27000 series standard. The method used is* PPDIOO *Network Life-Cylce Approach to be resulting an ideal design of data center security for* DISHUBKOMINFO Tasikmalaya *city.*

Based on the result, the research proposes the addition of CCTV devices and fire extinguishers that preventively good for physical security of data center. As for the logical security of data center in DISHUBKOMINFO Tasikmalaya *city, the propose is to make document policies related to information security based on the points of information security policies, updated procedure of operating system and implementation of communication security technology. The research results an ideal design of physical and logical security of the data center in* DISHUBKOMINFO Tasikmalaya *city.*

Keyword : *Data Center,* DISHUBKOMINFO Tasikmalaya *city*, *Physical and logical data center security*, PPDIOO *Network Life-Cycle Approach*, TIA-942, ISO/IEC 27000 *series*