ABSTRACT

Nowadays, the development of a technological era that is very quickly driven by globalization has increased significantly. One of the effects of globalization is the rapid development of information technology and causing information technology to be a primary need for humans and is used as a solution to solve daily activities and problems in human life. Therefore, to prevent unwanted things from happening to these data, the security concept is needed for the data center. Information technology security is important because it can prevent losses that can be experienced by the organization. If this data is leaked or information technology processing infrastructure is obtained by irresponsible parties, it will cause harm to the organization. Based on this, the company must have a data center that has good standards and security, especially IT-based companies that have implemented the Internet. Because digital data owned by the company is very large and is very important data. According to the person in charge of the data center at the Department of Communication, Information, Statistics and Coding (DISKOMINFOSTANDI) of the Bogor City, that there was an attack on the data center system and the current conditions at the new data center only have one CCTV on the back that has a risk quite large so that in this study the author will discuss the analysis and conditions that are solutions to increasing security in the data center in the Department of Communication, Information, Statistics and Coding of Bogor so that the output of this research is the design of the data center security system, Communication, Information, Statistics and Bogor City Coding in accordance with TIA-942 and ISO / IEC 27002. The results of the current analysis will be compared with the TIA-942 and ISO / IEC 27002 standards and will later produce a proposed data center security system in terms of Logical and Physical.

Keyword: Data Center, Globalization, Information Technology, Digital Data, Information Technology Security, Internet