

ABSTRACT

The rapid development of technology makes the data center as a solution to be used to support a company in storing the important data and for the continuity of business processes in the company.

In the data center contains several to many server devices and related support components such as telecommunications and other data storage. Devices that work with each other at the same time will remove waste in the form of hot air that can cause damage if not managed properly. That is by adjusting the cooling system in the data center appropriately.

DISKOMINFO Bandung Regency Government is one of the government that utilizes information technology to support community services and meet the needs and sustainability of the program using data center. In writing this thesis will help in perancangan and build a data center that focuses on cooling the data center in accordance with the needs.

The guidance to design and build cooling data center is by using TIA-942 Tier-1 and Tier-2 standardization for tier system parts and ISO / IEC 14001: 2005 standard for environmental management system, and to assist in this research using research method of PPDIOO .

From the research of this scientific paper resulted in proposal of designing cooling data center by using standardization of TIA-942 and in accordance with standardization of ISO / IEC 14001: 2005 in DISKOMINFO Government of Bandung Regency.

Keywords: *Data Center, TIA-942 Tier-2, ISO/IEC 14001:2005, ISO 14000, Environmental Management System,*