

ABSTRACT

Data Center is an important component in providing information technology services. Currently, the Government of Bandung Regency has a data center that serves function as a managing of all business in the Information Technology and Communications in the Regency Bandung in operating of all business processes. The data center located at the Office of Communications, Informatics and Statistics Bandung District Government. Based on the long-term future plans in five years into the data center will be the addition of tools and development to improve services provided into users of Information Technology Bandung District Government. Therefore, needed to design in accordance with the data center requirements that refer to the TIA-942 Standard, which resulted in cooling system in the data center can be fulfilled its needs. In designing Cooling Management Data Center this method using PPDIIO Life-Cycle Approach at the three initial stages of Prepare, Plan, Design. The use of the PPDIIO Life-Cycle Approach method fits well with the development of the data center because it has a prolonged phase and there is an optimization stage for the long-term development of the data center. The purpose of this research is to produce the design of Cooling Management Data Center Communications, Informatics and Statistics Bandung District Government in accordance with the standard TIA-942. The final result is a development of good cooling system for data center.

Keywords : *Data Center, Cooling Management, PPDIIO Life-Cycle Approach, Standard TIA-942.*