

ABSTRACT

In today's highly technological development, data centers are one of the most important needs in today's information technology era. Data centers should be able to provide optimal service as the center of the business services of an instasi or company.

Department of Transportation Communication and Information (DISHUBKOMINFO) Tasikmalaya is an organization of Tasikmalaya government which is engaged in communication and information communication. Transportation Department of Communication and Information of Tasikmalaya City that has applied data to support in terms of business process. However, data center at the Transportation Department of Transportation Communications and Information Tasikmalaya is still weak in the management of the data center. The problem of data center data Department of Transportation Communication and Information Tasikmalaya City still not in accordance with existing data standard. In the use of these power on data center Department of Transportation Communications and Information Tasikmalaya still has not thought about the way. Based on the existing problems, it is necessary to design the power in accordance with the TIA-942 standard. The method that will be used is PPDIOO life-cycle approach for ideal result for data data Department of Transportation Communication and Information of Tasikmalaya City.

The result of this research is to generate power management is to produce a plan scheme would Exterior Already divided into three data centers, control rooms, and storage rooms. Line wiring under a raised floor with direct connect cabling method. Total power consumption is 46.214,75 watt or 46.21475 kW.

Keyword : Data Center, DISHUBKOMINFO Tasikmalaya City, Power, TIA-942, PPDIOO Network Life-Cycle Apporoach