ABSTRACT

West Bandung District Government is one of the government agencies under the government of West Java Province which has the task of serving the affairs of community administration in the area of West Bandung District. Currently West Bandung District Government has a data center that is managed by the Office of Communication, Information and Statistics (Diskominfo) which functions as a data processing system from collection, storage to data management.

Currently the existing data center in West Bandung District Government, especially Cooling Management is still in the development stage, the tools used to manage the data center are still very minimal and do not have standards. A design is needed to manage the Cooling Management data center based on TIA-942 Standards. This design uses the PPDIOO Life-Cycle Approach in three initial stages, namely prepare, plan, design. The use of this method is suitable with the development of West Bandung District Government data center because there is an optimization stage and has a prolonged phase.

The purpose of this study was to produce a design of the Cooling Management Data Center of West Bandung District Government in accordance with TIA-942 standards. The final result of this research is in the form of a proposed cooling system design for West Bandung District Government data center.

Keywords : Data Center, West Bandung District Government, PPDIOO Life-Cycle Approach, Cooling Management, Standard TIA-942.