## *ABSTRACT*

*Based on the Government Regulation about the Implementation of System and Electronic Transactions in the Central and Regional Government Institutions (e-Government) article 9 of 2009 stating that every central and local government institution shall provide data center facility which is in accordance with its main duties and functions, and reinforced by Presidential Regulation number 96 years 2014 to 2019 which states to create the development and utilization of effective and efficient broadband, required comprehensive national and integrated national broadband planning through synchronization, synergy and coordination across sectors and regions. This causes the District Government to create data centers and synchronize data to the Central Government. However, the Regent of Bandung Regulation Number 17/2016 article 22 verse 2 states that the Data Center is built and managed centrally and utilized for the benefit of all the Regional Device Work Unit (SKPD). The regulation causes data centers that have been managed in each district should be closed. To cope with it, the existing data centers in Bandung Regency Government will be made into a sub data center that serves as a temporary data storage on each region before synchronized directly to the existing data centers in the central government. In the design of this sub-data center, EN 50600-2-3 Environmental Control becomes the standard that will be applied and PPDIOO Life-Cycle Approach will serve as the research methodology. The result of this research is a guidance in data center development according to EN 50600-2-3 Environmental Control.*



***Keywords****: data center, environmental control, sub data center,* EN 50600*,* PPDIOO *Life-Cycle Approach*.