

ABSTRACT

According to Government Regulations about the Implementation of System and Electronic Transaction at Central and Regional Government Agencies (e-Government) article 9 of 2009 which reads that every central and regional government agencies requires to provide data center facility which is corresponding to its main task and function that is strengthened by Presidential Regulation Number 96 Year 2014 about Indonesian Broadband Plan at 2014 until 2019 which said that it is to create an effective and efficient of broadband development and utilization, it needed national broadband plan that is comprehensive and integrated through a synchronization, synergy, along with coordination across sectors and regions. Afterwards, every District Government make a data center in which each of them are synchronized with central government. In the other hand, when Regent Regulations number 17 year 2016 article 22 section 2 which reads that Data Center is built and managed centrally and utilized for the benefit of SKPD. It is very clear that this new regulations are disadvantaging Bandung District Government in which they have to shut and stop managing their own data center, which later on will affecting to the functionality of Bandung District Government. To overcome that problem, the data center that is already at Bandung District Government will be made into sub data center that is benefit as a temporary storage place and also as a backup before the data is synchronized to central government. In the making the design of this sub data center, researchers used EN 50600 standard and PPDIOO Life-Cycle Approach method. This sub data center design will be focused on data center cabling system according to EN 50600 standard.

Keyword: data center, cabling system, sub data center, EN 50600, PPDIOO - Life-Cycle Approach