ABSTRACT

Data Center is a facility used to place information technology devices that support the performance of companies, such as servers, data storage or storage (Riasetiawan, 2016). *The object of this research is* Pemerintahan Kabupaten Bandung. Pemerintahan Kabupaten Bandung *released various services to fulfill the requirement of the community, one of them was use the service by information technology. A lot of services was owned, Bandung District Government began to build the data center facilities, but the existing server structure is not work optimally. Than, one of the* Pemernitahan Kabupaten Bandung *Long Term Plan points is improve and support the implementation of e-Government applications. Therefore, Bandung Regency Government requires data center in which there is a server structure that is able to work optimally based on the requirements of service applications has been installed on the server.*

The resault of this research is produce a analysis and design of application server structure which provide Pemerintahan Kabupaten Bandung *service's required, The allocation of this server structure refers to one of the existing standards, that is* TIA-*942 Standard. In the analysis and design of the application server structure using the stages of the methodology PPDIOO life-cyle, but the stages used only the stage prepare, stage plan and design stage, but not until implamentation stage.*

Keyword *: Data Center, Application Server Structure, Server Structure, Standard TIA-942,* PPDIOO *Life-Cycle.*