

## ABSTRACT

*With an optimal data center's performance certainly it is aligned with the services given. Zoning area performed on server room in data center with intent of component mapping as shelf shelves, deciding the aisle, determine room topology and infrastructure layout. This designing of the layout is done for optimalize used of site space. Room decision with considering "white space" also supporting zoning area data center.*

*Bandung District Governement has a mandatory function as a government related to societies life which is within its region involve such as administration of civil registration, koperasi, communication and information in accordance with the Republic of Indonesia Law No. 23/2014 about local government. And also developed a governance electronic based for increasing public services with effectiveness and efficiency in accordance of the Executive Order No. 3/2003 includes 2 related activities. To wit data precessing, information management, and technology information utilization's growth. As aligned with development plan from the government, therefore zoning area data center is needed for optimalize benefit of space on server room in future plan based on TIA-942. In this research, design would be using PPDIOO life-cycle approach.*

*The output from this research is blue print recommendation layout zoning area data center corresponding with tiering level based on TIA-942 includes rack layout system, cabling system with considered anticipation needs growth that might happen.*

**Keyword** : data center, TIA-942, tiering, PPDIOO Life-cycle approach, cabling system, rack layout system, zoning area, white space, aisle, server.