

ABSTRACT

**ANALISIS DAN PERANCANGAN *NETWORK STRUCTURE*
BERDASARKAN STANDAR TIA-942 MENGGUNAKAN METODE
PPDIOO LIFE-CYCLE APPROACH PADA *DATA CENTER* DI
PEMERINTAHAN KABUPATEN BANDUNG BARAT**

By

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As an information center in West Bandung District, Diskominfo certainly requires an adequate and appropriate data center in order to optimally support the tasks assigned to it. From interviews conducted with the West Bandung District Diskominfo, currently the condition of the data center in West Bandung District has not applied any standards to the data center, and also the data center does not yet have the backup path needed if at one time the main line is interrupted or down. West Bandung District Government data center does not have a clear topology. Even though based on the topology diagram, the troubleshooting process is fast and efficient

This study aims to analyze and provide recommendations about the construction of network structure in West Bandung Regency data center. This study refers to the TIA-942 standard by using the life-cycle approach method guidelines. Data collection techniques are done by direct observation in the field.

Based on the things mentioned above, the results of this study are the design and analysis of tier-II network structure and racking data center systems in West Bandung Regency Government based on the TIA-942 standard with PPDIOO Life-Cycle Approach method.