

## ABSTRACT

*Based on the regulation of the minister of communication and informatics article 2 paragraph (3), data center service providers are responsible for designing and building data centers in accordance with topology standards chosen according to their needs based on business needs studies and business impact analysis. Furthermore, the data center provider must continuously use efficient energy to operate the data center. Energy efficiency must be monitored periodically at least 2 (two) times in 1 (one) year by using the reference measurement of power usage effectiveness (PUE) as listed in Annex III which is an integral part of the ministerial regulation. However, in DISKOMINFO Pemkab Bandung sub data center, no measurement has been made of sub data center power distribution designs. So that it is not yet known, the design can function in accordance with EN 50600-2-2 Power Distribution standards. Therefore we need a measurement design before the implementation phase is done. To make measurements, a reference standard is needed so that it can be recognized and can be implemented. In designing this sub data center measurement, EN 50600-2-2 Power Distribution is the standard that will be applied and the PPDIOO Life-Cycle Approach as a research method. The results of this study are in the form of guidelines for measuring data centers according to EN 50600-2-2 Power Distribution.*

**Keywords:** *data center, power distribution, sub data center, EN 50600, PPDIOO Life-Cycle Approach.*