

STUDY ON IMPROVEMENT OF VOLTAGE BAIDURI FEEDER IN BATURAJA SUBSTATION SOUTH SUMATERA

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ABSTRACT

PT. PLN (Persero) as the power companies in the electricity distribution system in this case there must be efforts to improve the quality of service to customers primarily in electric power distribution system in order to avoid problems one of which is a voltage drop that would harm consumers and the electric power PT. PLN (Persero). Therefore PT. PLN (Persero) to handle by way of quality improvement efforts, the voltage on the distribution network. Where is the tolerance allowed for a rated voltage is 5% of nominal voltage. Several quality improvement efforts on the voltage distribution networks, among others: the installation of capacitors, replacement of conductors, construction of substations and breaking load feeders. The repair effort is one of the management policies of the PT. PLN (Persero) on the subject contained in the voltage drop across the distribution network to the customer so that continuity and reliability of electricity is maintained. In response to customer demand for electricity will be a good voltage quality problems, PT. PLN (Persero) Rayon Lahat Area WS2JB Martapura can take some action on the issue, one of them splitting the load feeder to the other feeder in order to improve the quality of the voltage at the request of electricity customers in the area Martapura.

Keywords: Voltage drop, voltage improvement, feeder