

DECREASING ENERGY LOSSES WITH P2TL METHOD IN PT. PLN (PERSERO) AREA TELUK NAGA

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ABSTRACT

Control of electricity usage or abbreviated P2TL. before the customer's use of electricity, electricity in the distribution network and then flowed into the APP (Gauges and Barriers), customer meters can then be used everyday by customer, the role that APP itself owns as a measurement of usage by the customer then recorded by the PLN employees each usage over a specified time range. Operation P2TL existing in PLN is the PLN activities PLN in order not to lose or can minimize the losses The truth of measuring energy meters in APP has several obstacles, such as the fault of kWh meter reading, theft of electricity, the usage of electricity not recorded on kWh, wrong wiring and others. This thing can harm the PLN if its not solved by P2TL. Basically losses it self devided into two, first technical shrinkage and non technical shrinkage, in non technical shrinkage is a problem that is very watchful, because this non technical shrinkage is the most caused losses from customer such as affecting the power limit, affect the energy measurement can reach 8257.9 kWh / month from 16 customers and have a loss of 13809.8 kWh / month, therefore customers who make these deviations will be subject to a fine of Rp.332,830,661 for all customers who deviate.

Keywords: P2TL, shrinkage technical and non technical, losses pln