

EFFORT OVERCOMING MORE IN GARDU DISTRIBUTION T24A WITH LOAD METHOD IN PT. PLN (PERSERO) AREA MENTENG

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ABSTRACT

Advances in technology and the very important role of electricity to meet the needs of customers, demanding State Electricity Company (PLN) is always trying to improve the quality and reliability in the distribution of electrical energy to customers as outlined in the form of road map decline disruption transformer from year to year in order to lead the company with services world class. The transformer is an electrical equipment which is very important because it relates directly to the electricity transmission and distribution channels. Disturbances in the transformer can cause damage and decrease the performance of the transformer. Examples of the cause of damage to the transformer is overloaded and unbalanced load. Overload occurs because the load that is attached to the transformer exceeds the maximum capacity of the transformer where the load current exceeds the nominal load current in the transformer. Therefore, it required improvement by reducing the number of transformer overload which is one of the initiatives that is obtained by performing repair work load rupture. After the events broke out load, load transformer phase and total load decreased in every phase of 995.004 620.216 VA and VA into the transformer total percentage decreased from 99.5% to 62.02%, so the transformer can be considered normal and can work optimally.

Keywords: Transformer Overload, Rupture load, Substation Distribution