

# **REPAIR STUDY OF MEDIUM VOLTAGE NETWORK AT PT. PLN (PERSERO) RAYON BINJAI TIMUR TO REDUCE VOLTAGE DROP AT FEEDER KELAM**

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## **ABSTRACT**

*Electricity is one of primary energy what humans need in this modern age. But in its distribution from main station to consumer, there was a problem and terms, one of them is a voltage values that do not meet the requirements. Various efforts were made to resolve drop voltages, with network reconfiguration in order to obtain a reliable network and do not exceed the capacity of the transformer. In this thesis a network reconfiguration will be performed by using SOFTWARE to calculate the volage value at distribution substation. And the result is the voltage has been filled the SPLN 1:1995 regarding the voltage variation is (+5% ; -10%) from the nominal voltage.*

Keywords : Voltage Variation , Network Reconfiguration, Voltage resolves,  
Distribution System