

# **Setting of OCR Protection GFR on Kukang Feeder 20kV Substation of Sepatan Area Teluk Naga Area**

**Orvan Redeta Aria Venendi, 201311097**

**Under the guidance, Dr., Ir., Uno Bintang Sudibyo**

## **ABSTRACT**

In the system power distribution there are medium voltage suppliers that are useful to distribute electric power from the substation to the consumer. In a distribution of medium voltage network there are can be disruption which may result in a decrease in the continuity of the distributed an electrical power. To prevent the occurrence of disruption on the network required a protection system for the continuity of electricity distribution maintained at the time of interruption short circuit. On this essay discusses the setting of protection between the overcurrent relay (OCR) and the soil disturbance release (GFR) as the safety equipment specially on the Kukang feeder, the Sepatan Substation, Teluk Naga Area, where the repetition often a failure of work on safety step. For that needed changes to setting the relay current and soil disturbance relation on Kukang feeder.

**Keywords:** Setting of Protection, Overflow Relay, Soil Disturbance Relay, and Short Circuit Disruption.