ABSTRACT

Electricity system installed on an industry needed reliability and continuity to guarantee the production process. Reliability of an electricity system is valued from the system abilities to keep supplying the loads when fault occur in the system, including fault in the bus. In order to increase the electricity system reabilities in PT Semen Tonasa IV Sulawesi Selatan, we need to increase the sensitivity of protection equipment by reanalyze the system, including their protection coordination and the protection relay setting by drawing the characteristic curve of protection relay.

By analyzing the system, we will knowing if the setting and relay coordination which will installed is relevant to protecting from fault at bus in PT Semen Tonasa IV Sulawesi Selatan. So that sensitivity of protection equipment increase and the system reliability can be optimally secured.

Key Words : Setting relay and relay coordination.