

THE INFLUENCE OF THE USE AND TESTING OF AUTOMATIC CHANGE OVER CUBICLES ON PREMIUM CUSTOMERS TO MINIMIZE BLACKOUTS

Ririn Alvhionika, 2015-71-054

Under the guidance of Ir. Irvan Buchari Tamam, M.,Sc

Abstract

Increasing the living standard of society and industry very rapidly, requires PLN to provide continuous supply of electricity to consumers. But the reality in the community often occurs power failure due to lost power supply. This can interfere with work activities in important places such as hospitals, hotels, malls, recreational rides and industrial areas. For it is used alternate use of Automatic Change Over system that works with two different source. If the primary source is interrupted then with 0.3 seconds the time will move automatically to the backup source. The use of ACO cubicles can improve the reliability of power supplies, judging by comparison before and after using the ACO cubicles. The comparison percentage is at S44, S87, S38 and P56 that is before using ACO cubicle 23,25% 19,98% 16,83% dan 27,02% while after using ACO cubicle 42,85% 28,57 % 28,57% and in P56 substation there is no percentage.

Keywords : Cubicle, Automatic Change Over , Installation