

ABSTRACT

Protection system on Medium Voltage Network has several devices one of which is recloser. In Penyulang Jajar 4 there is a recloser that has not worked optimally. Therefore need setting or setting recloser to function properly. To perform the recloser setting first do the calculation of current settings OCR and GFR using manual count and simulation Ms. Excel. The result of the calculation is used as a reference for setting the recloser using WSOS 5. The result of the recloser setting of row 4 using WSOS is obtained by OCR 400A setting current, OCR 120 A setting, OCR instant 2508 A (5.7 x) and setting instant GFR 1410 A (9.4x). With the results of these settings the recloser can work properly and can reduce the section off during interruption.

Keywords: Ms. Excel, protection, recloser, section, setting, WSOS 5.