IMPLEMENTATION OF OVER LOAD SHEDDING ON INTERBUS TRANSFORMER 500/150 KV 1.2 GANDUL

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ABSTRACT

Inter bus transformer (IBT) as the main element in power distribution and distribution system. Power distribution may be hampered due to interference resulting in damage and reduced lifetime on equipment. For the sake of system reliability, IBT charges may not exceed 60%. This is to anticipate the N-1 criteria and also the OLS setting works at 110%. The disruption that often occurs in IBT is more load burden, which can occur due to various things such as N-1 criteria and consumer's fluctuating power. This condition can be overcome by the implementation of an automatic load release strategy (Overload Shedding). Overload Shedding is a form of overloading action that occurs automatically or manually installed on the transmission line as a safety to avoid or prevent the occurrence of a widespread blackout. This final project discusses the application of OLS to IBT 1.2 Gandul by calculating the tuning current, as well as the load release target so it can know the distribution result when OLS is installed and not.

Keywords: IBT, Overload, Settings Current.