

ABSTRACT

In an electric power system, there are several elements ranging from the generation, transmission and distribution, in a power plant there is a generator that acts as a means of generating electrical power by means convert mechanical energy into electrical energy generator . The operation is expected to be stable for the performance of the generator optimal. One is more attention to the existing protection system on the generator. The stability of the generator can be affected by several things, namely burden, excitation current, power factor, the number of turns a generator, and so forth. Major changes due to the voltage terminal connected to the load can cause instability generator.

Keywords: Generator, stability, and protection