Simulasi optimalisasi sebaran kerapatan fluks magnet pada jumlah kutub dan jarak antar magnet permanen generator sinkron magnet permanen fluks radial = Simulation optimization of magnetic flux density of number of poles and distance between permanent magnet of synchronous generator permanent magnet radial flux

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Abstrak

Rotor magnet permanen adalah rotor dari mesin listrik, dalam hal ini mesin sinkron tanpa penguat eksternal karena penguatnya berasal dari magnet permanen itu sendiri.
Pada Simulasi Optimasi Jarak Antar Rotor pada Generator Sinkron Magnet Permanen ini, pengaruh jarak antar kutub magnet permanen sangat berpengaruh terhadap distribusi fluks magnetnya sendiri. Selain berpengaruh terhadap distribusi fluks, jarak antar kutub magnet permanen juga berpengaruh secara tidak langsung terhadap dimensi rotor dan dimensi mesin sinkron secara keseluruhan.
.....Rotor permanent magnet is the rotor from electric machine, in term of synchronous machine without external exciter because the exciter come from it permanent magnet self.
In Simualtion Optimization of Distance Between Rotor of Permanen Magnet Synchronous Generator, impact of distance between permanent magnet polarity was highly correlated to magnet flux distribution itself. In addition, distance between permanent magnet polarity also influencing indirectly into rotor dimension and dimension of sychronized machine thoroughly.