

## INTISARI

*Derating* motor induksi berdasarkan standar internasional *NEMA* (*National Electrical Manufacturers Association*) dapat dihitung melalui ketidakseimbangan fasanya. Pada proyek akhir kali ini, menganalisa kemampuan kerja motor karena ketidakseimbangan fasa berdasarkan *NEMA* dibandingkan dengan hasil perhitungan berdasarkan data pengukuran di PLTU Paiton Baru.

Kata kunci :

Tegangan tidak seimbang, *derating*, komponen simetris

## ***ABSTRACT***

*Based on standard of NEMA (National Electrical Manufacturers Association), the derating of induction motor due to voltage unbalance can be calculated. In this case study derating of induction motor is compared to calculation based on measurement in PLTU Paiton Baru.*

*Keyword :*

*Voltage unbalance, derating, symmetric component.*