

ABSTRAK

Electricity quality problems are getting more attention lately, where in this modern era the use of electronic goods is increasing. One aspect of the decline in the quality of electric power is energy efficiency, thus the quality of electric power is one of the parameters of energy savings. Analyzing the quality of electric power is one strategy to prevent failures in the electrical system. By knowing the quality of electrical power such as changes in current, voltage changes, and changes in the frequency of a building, it can make it easy to make improvements or prevent the electrical system of the building.

Hereby the author conducts research with the title "Analysis of Electric Power Quality of the Unires Putra Building of the Muhammadiyah University of Yogyakarta" using the Power Analyzer Metrel 2892-B and discussion to the supervisor of research related to the quality of electrical power. The results of these studies get the highest THD measurement results for R phase 706.418 watts, THD for S phase 569.076 watts, THD phase T 737.287 watts. Power Losses is 2,226.345 watts which is 0.9% of the total building power consumption.

Key words: Power Quality, harmonic, Effeciently