

HUBUNGAN RADIASI GELOMBANG ELEKTROMAGNETIK DAN FAKTOR-FAKTOR
LAIN DENGAN KELUHAN SUBJEKTIF PADA TENAGA KERJA DI RUANG TL PT. *GE
LIGHING* INDONESIA YOGYAKARTA

SRI SUPARTI -- E2A304093
(2006 - Skripsi)

Tempat kerja yang menggunakan sumber daya listrik berpotensi menimbulkan radiasi. Keluhan subjektif muncul karena adanya radiasi gelombang elektromagnetik dan faktor fisik yang lain seperti iklim kerja, pencahayaan dan kebisingan. Penelitian ini bertujuan untuk mengetahui hubungan antara masa kerja, tingkat radiasi, jarak iklim kerja, pencahayaan dan kebisingan dengan keluhan subjektif. Jenis penelitian yang dipakai adalah *explanatory research*, Metode yang digunakan adalah survai dengan pendekatan *Cross sectional*. Populasi dalam penelitian ini 114 orang yaitu semua tenaga kerja di ruang *TL PT. GE Lighting* Indonesia Yogyakarta. Sampel diambil dengan memperhatikan kriteria inklusi dan eksklusi sebanyak 34 orang. Uji statistik yang digunakan adalah *chi square*. Hasil peneliian menunjukkan antara iklim kerja dan dibisingan ada hubungan dengan keluhan subjektif. Namun masa kerja, radiasi, jarak dengan sumber radiasi dan pencahayaan tidak ada hubungan dengan keluhan subjektif.

Kata Kunci: Keluhan subjektif, radiasi gelombang elektromagnetik

THE INFLUENCE OF ELECTROMAGNETIC RADIATION AND THE OTHER FACTORS
RELATED TO EMPLOYEES' SUBJECTIVE COMPLAINT AT TL DIVISION PT GE
LIGHTING INDONESIA YOGYAKARTA

Workplaces which use electrical energy cause electromagnetic radiation. Subjective complaints caused by electromagnetic wave radiation and other factors like work climate, lighting, and noise. The aim of this research was to analyze electromagnetic radiation and other factors related to employees' subjective complaints. The research that was used is explanatory research, the method that was used in this research is the cross-sectional approach survey and statistical tests that were used in the analyzed survey. The population consists of 144 employees of TL PT GE Lighting Indonesia Yogyakarta. The sample was based on characteristic inclusion and exclusion of 34 employees. The statistical test used is the chi-square test. The results of this research show a correlation between work climate and noise with subjective complaints. The other factors are time of work, level of radiation, and radius of radiation are not related. The lighting is not related to subjective complaints but the results of the measurements show that the lighting is out of range.

Keyword: *subjective complaint, electromagnetic wave radiation*