

## ABSTRAK

### ANALISIS PENGARUH TINGKAT KECELAKAAN KERJA KARYAWAN TERHADAP VOLUME PRODUKSI STUDI KASUS PADA P2G MADU BARU PT YOGYAKARTA

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Tujuan penelitian ini adalah untuk mengetahui ada tidaknya pengaruh *frequency rate* kecelakaan kerja karyawan terhadap volume produksi, pengaruh *severity rate* terhadap volume produksi serta *frequency rate* dan *severity rate* bersama - sama terhadap volume produksi. Penelitian ini dilakukan pada pabrik gula P2G MADU BARU PT Yogyakarta periode 1993 - 1997. Teknik pengumpulan data yang digunakan adalah observasi, wawancara dan dokumentasi. Teknik observasi digunakan untuk mengetahui kondisi dan situasi kerja di dalam perusahaan, teknik wawancara digunakan untuk memperoleh informasi dan data, serta teknik dokumentasi digunakan untuk memperoleh data tentang jumlah kecelakaan, jumlah hari yang hilang akibat kecelakaan dan volume produksi.

Hipotesis pertama menyatakan bahwa *frequency rate* berpengaruh negatif terhadap volume produksi, hipotesis ke dua menyatakan bahwa *severity rate* berpengaruh negatif terhadap volume produksi serta hipotesis ketiga menyatakan bahwa *frequency rate* dan *severity rate* berpengaruh negatif terhadap volume produksi. Untuk menguji kebenaran hipotesis tersebut, dianalisis dengan menggunakan metode-metode statistik. Untuk hipotesis pertama dan kedua digunakan Analisis Regresi Sederhana dan Korelasi *Product Moment* serta untuk hipotesis ketiga digunakan Analisis Regresi Berganda dan Korelasi Berganda.

Hasil temuan lapangan dan analisis data menunjukkan bahwa *frequency rate* berpengaruh negatif terhadap volume produksi ( $r = -0,9902$   $t$  hitung =  $-12,281 < t$  tabel =  $2,353$ ), *severity rate* berpengaruh negatif terhadap volume produksi ( $r = -0,8872$   $t$  hitung =  $-3,3305 < t$  tabel =  $2,353$ ) serta *frequency rate* dan *severity rate* berpengaruh negatif terhadap volume produksi ( $R = -0,9906$   $F$  hitung =  $52,442 > F$  tabel =  $19,00$ ).

## ABSTRACT

### INFLUENCE OF FREQUENCY OF EMPLOYEE ACCIDENTS TO PRODUCTION VOLUME Case Study in P2G MADU BARU PT YOGYAKARTA

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This research aims to assess the effect of frequency and severity of labor accidents toward the production volume. This research was conducted at a sugar factory P2G MADU BARU PT Yogyakarta. Observation, interview and documentation were used to obtain the data needed. Observation was done to find out the condition of the factory. Interview was used to gain information and data. Documentation technique was applied to obtain data on number of labor accidents, man - days lost due to accidents and volume of production.

The first hypothesis states that the frequency of labor accidents has a negative effect toward the volume of production. The second hypothesis that the severity rate has a negative effect toward the production volume and the third hypothesis that the combined frequency rate and severity rate have a negative effect on the volume of production. To test the hypothesis, Statistical Computation was used. Simple Regression Analysis and Product Moment Correlation were applied to verify the first and second hypothesis. Multiple Regression Analysis and Multiple Correlation were used to test the third hypothesis.

From the statistical computation, it was found that the frequency of labor accidents has a negative effect toward the production volume ( $r = -0,9902$   $t = -12,281 < t \text{ tabel} = 2,353$ ), the severity rate also has a negative effect on the production volume ( $r = -0,8872$   $t = -3,3305 < t \text{ tabel} = 2,353$ ) and the combined frequency rate and severity rate have a negative effect toward the production volume ( $R = -0,9906$   $F = 52,442 > F \text{ tabel} = 19,00$ ).