

ABSTRAK

PT Putra Restu Ibu Abadi merupakan industri peleburan limbah bahan beracun dan berbahaya (B3). Permasalahan yang sering terjadi terkait kecelakaan yang disebabkan oleh perilaku tidak selamat. Salah satu aspek yang dapat meningkatkan perilaku keselamatan pekerja adalah iklim keselamatan. Tujuan penelitian ini adalah mengetahui pengaruh iklim keselamatan terhadap perilaku keselamatan para pekerja dengan metode *Structural Equation Model – Partial Least Square* (SEM-PLS), serta memberikan rekomendasi perbaikan guna meningkatkan perilaku keselamatan pekerja. Pengukuran Iklim keselamatan menggunakan media instrumen penelitian *The Nordic Occupational Safety Climate Questionnaire 50* (NOSACQ- 50). Hasil perhitungan variabel Iklim keselamatan terhadap variabel perilaku keselamatan diperoleh nilai R – *Square* sebesar 56,5% dan termasuk kategori penggambaran moderat, nilai Q – *Square* sebesar 29,6% dan nilai F – *Square* sebesar 1,297 atau efek dengan kategori besar. Hasil analisis jalur variabel iklim keselamatan terhadap variabel perilaku keselamatan diperoleh nilai P-*Values* 0,000 yang menunjukkan bahwa iklim keselamatan berpengaruh positif terhadap perilaku keselamatan. Rekomendasi perbaikan yang direkomendasikan antara lain *safety talk*, penerapan *punishment and reward*, *safety patrol*, pembentukan tim investigasi kecelakaan dan pelatihan keselamatan.

Kata kunci: Iklim Keselamatan, Perilaku Keselamatan, NOSACQ – 50, SEM – PLS.

ABSTRACT

PT Putra Restu Ibu Abadi is a toxic and hazardous waste (B3) smelting industry. Problems that often occur are related to accidents caused by unsafe behavior. One aspect that can improve worker safety behavior is the safety climate. The aim of this research is to determine the effect of safety climate on workers' safety behavior using the Structural Equation Model - Partial Least Square (SEM-PLS) method, as well as providing recommendations for improvements to improve workers' safety behavior. Safety climate measurement uses the research instrument The Nordic Occupational Safety Climate Questionnaire 50 (NOSACQ-50). The results of the calculation of the safety climate variable on the safety behavior variable obtained an R - Square value of 54.3% and included in the moderate description category, a Q - Square value of 29.6% and an F - Square value of 1.191 or an effect in the large category. The results of the path analysis of the safety climate variable on the safety behavior variable obtained a P-Value of 0.000, which indicates that the safety climate has a positive effect on safety behavior. Recommended improvements include safety talks, implementing punishment and rewards, safety patrols, forming an accident investigation team and safety training.

Keywords: *safety cliamte, safety behavior, NOSACQ – 50, SEM – PLS.*