

JUDUL : PENGARUH ERGONOMI TERHADAP KINERJA LOGISTIK DI  
PERUSAHAAN MANUFAKTUR SURABAYA

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ABSTRAK

Saat ini Asean Economic Community (AEC) terus berkembang sehingga menyebabkan persaingan antar perusahaan semakin keras dan ketat. Model pengukuran kinerja logistik dirancang dan dijadikan sebagai alat evaluasi untuk meningkatkan kinerja logistik. Setiap perusahaan memiliki kapasitas yang terbatas dalam memenuhi permintaan seperti persyaratan *quality, cost, dan delivery* dan juga kemampuan manusia serta teknologi. Uji empiris dilakukan dengan metode pemodelan *partial least square-structural equation modeling* (PLS-SEM) untuk melihat pengaruh ergonomi terhadap kinerja logistik. Hasil yang didapatkan dari 100 responden ergonomi mempengaruhi kinerja logistik secara positif. Implikasi dari penelitian ini adalah konstruk ergonomi yang kuat adalah *machine safety, work station, work posture, hand tools*. Terdapat beberapa *action plans* untuk memperbaiki kinerja logistik dengan pendekatan ergonomi yaitu pelatihan pengoperasian mesin dan kontrol keadaan darurat, pengaturan alur pengiriman, adanya pengecekan atau *service* berkala untuk setiap mesin dan alat yang digunakan dan memperbaiki *Standard Operation Procedure* menggunakan pendekatan ergonomi.

**Kata kunci** : ergonomi, kinerja logistik, PLS-SEM

TITLE :THE ROLE OF ERGONOMIC ON LOGISTIC PERFORMANCE IN  
SURABAYA MANUFACTURING COMPANY

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ABSTRACT

*Asean Economic Community (AEC) continues to grow, causing competition between companies to become stiffer and tougher. The logistics performance measurement model is designed and used as an evaluation tool to improve logistics performance. Each company has limited capacity to meet demands such as quality, cost, and delivery requirements as well as human and technological capabilities. Empirical test was conducted using partial least square-structural equation modeling (PLS-SEM) modeling method to see the effect of ergonomics on logistical performance. The results obtained from 100 respondents in ergonomics affect logistical performance positively. The implication of this research is the strong ergonomics construct is machine safety, work station, work posture, hand tools. There are several action plans to improve logistics performance with an ergonomics approach, namely training in machine operation and emergency control, delivery flow management, checking or regular service for each machine and tool used and improving the Standard Operation Procedure using the ergonomics approach.*

**Keywords** : *ergonomic, logistic performance, PLS-SEM*