MEASUREMENT OF MANUAL LOADING PROCESS USING TIME AND MOTION STUDY IN WAREHOUSE ACTIVITY: A CASE STUDY OF PT. X

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CASE STUDY PAPER

Addressed to
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International Business Management Program

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INTERNATIONAL BUSINESS MANAGEMENT
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2016
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FOREWORDS

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    The author aware that this paper is far from perfect and will completely open to critics and suggestion. Hopefully this papers will be useful for the readers.

    Surabaya, May 27th, 2016

    Author
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Appendix A. Data Conformity Test on Sack and Box Packaging
Appendix B. Data Adequacy Test on Sack and Box Packaging
Appendix C. Normal Time and Standard Time Calculation
Appendix D. Raw Data from Direct Observation in Warehouse of PT. X
Gudang adalah salah satu peran penting dalam sebuah supply chain untuk menyimpan barang yang akan didistribusikan kepada para pelanggan. Salah satu proses yang paling penting adalah proses pemuatan barang dari gudang kedalam kendaraan pengangkut. Di Perusahaan X ini proses pemuatan yang dilakukan secara manual mengalami deviated output yang disebabkan oleh sistem remunerasi yang kurang tepat. Tujuan dari penelitian ini adalah untuk mengatur standar waktu untuk proses pemuatan manual dengan metode *time and motion* dan memberikan masukan mengenai sistem remunerasi yang lebih tepat.

Jenis penelitian ini adalah penilitian secara langsung. Data yang didapat dari penelitian ini merupakan hasil observasi langsung di lapangan yaitu di gudang Perusahaan X. Dengan menggunakan metode *time and motion*, didapatkan angka kongkrit sebagai waktu standar dalam proses pemuatan manual barang di gudang Perusahaan X.

*Keywords*: gudang, pemberian upah, hasil yang menyimpang, time and motion study
ABSTRACT

Warehouse is one the most important stages in the supply chain to store the goods that will be distributed to the customers. One of the most important processes is the loading process from the warehouse to the container. In PT. X the manual loading process is having a deviated output problem that is caused by a unsuitable remuneration system. The objectives of this research is to set a standard time by using the time and motion study and to give suggestion about a better remuneration system that can be applied.

This research is a direct observation research. The data collected was from the direct observation in the warehouse of PT. X. By using the time and motion study, a concrete number can be obtained to set the standard time on the manual loading process in the warehouse of PT. X.

Keywords: warehouse, remuneration, deviated output, time and motion study