

ABSTRAK

SUATU STUDI KELAYAKAN
IMPLEMENTASI *JUST IN TIME* DALAM
PENGELOLAAN PERSEDIAAN BAHAN BAKU

Perusahaan Plastik Harapan

Th. Entin Suryani

Universitas Sanata Dharma

Yogyakarta

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Penelitian ini bertujuan untuk mengetahui apakah memungkinkan bagi perusahaan Plastik Harapan untuk menerapkan sistem *Just In Time* dalam mengelola persediaan bahan baku bijih plastik.

Pengumpulan data dilakukan dengan menggunakan metode dokumentasi dan wawancara. Teknik analisis data berbentuk deskriptif, yaitu dengan menganalisis kondisi perusahaan berkaitan dengan kemampuannya memenuhi karakteristik-karakteristik *Just In Time* dalam pengelolaan persediaan bahan bakunya. Karakteristik-karakteristik ini meliputi lokasi pemasok yang dekat, kontrak pembelian jangka panjang, komunikasi secara berulang-ulang, pemasok mapan, penyederhanaan gerak bahan pembelian *Just In Time*, penggunaan *Advanced Delivery Schedule* (ADS), inspeksi minimum, spesifikasi minimum, penggunaan kontainer yang siap terpasang di pabrik, sistem autonomasi, karyawan multifungsional, *layout* produk, eliminasi kemacetan, penerapan kanban, pemrosesan langsung pada bahan baku yang tiba tepat waktu, dan kondisi gudang.

Berdasarkan hasil analisis, dapat disimpulkan bahwa perusahaan tidak memungkinkan untuk menerapkan sistem *Just In Time* dalam pengelolaan persediaan bahan bakunya. Hal ini, disebabkan karena (1) tidak ada pemasok yang dekat, (2) penyederhanaan gerak bahan pembelian *JIT* tidak bisa dilakukan, (3) penggunaan *ADS* tidak bisa dilakukan, (4) kontainer yang siap terpasang di pabrik tidak bisa dilakukan, (5) *layout* produk tidak bisa dilakukan, (6) kanban sulit diterapkan, (7) pemrosesan secara langsung tidak bisa dilakukan, dan (8) pentingnya komponen cadangan-cadangan barang, menyebabkan fungsi gudang sulit untuk dieliminasi.

ABSTRACT

A FEASIBILITY STUDY OF THE IMPLEMENTATION *JUST IN TIME* IN MANAGING THE RAW MATERIAL INVENTORY

Plastik Harapan Company

Th. Entin Suryani

Sanata Dharma University

Yogyakarta

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This research purpose was to know whether it was possible for Plastik Harapan company to apply *Just In Time* system in managing the plastic grain raw material inventory.

The data were compiled by using documentation and interview. Data analysis techniques were descriptive done by analysing the company condition related to the capability to fulfill the characters of *Just In Time* system in managing raw material inventory. The characters were nearby suppliers location, long term purchasing contract, repeated communication, reliable suppliers, *Just In Time* material purchasing stream simplification, the use of Advanced Delivery Schedule (ADS), minimum inspection, minimum specification, ready to use container in the factory, autonomy system, multifunctional labours, product layout, bottleneck, kanban application, directly process on the raw material which arrives on time, and the condition of warehouse.

Based on the analysis, it could be concluded that the company was impossible to apply *Just In Time* system in managing raw material inventory. The reasons were that (1) there are no nearby suppliers, (2) the simplification of *Just In Time* material of purchasing stream could not be done, (3) the ADS usage could not be applied, (4) the ready to use container in the factory could not be applied, (5) product *layout* could not be conducted, (6) kanban was impossible to be applied, (7) directly process could not be conducted, and (8) the importance of goods stock components, which caused the warehouse function was difficult to eliminate.