

ABSTRACT

This thesis has purpose to identify the cause of problems occur in warehouse and provide the solution to solve the problem. Warehouse is a part of supply chain which very important at PT. Garuda Maintenance Facility, because it stores a lot of component which will be used for maintenance aircraft activity. But some problems occur in warehouse which impact to the warehouse process is not optimal. Fishbone analysis will be used to identify the cause of the problem which occur in the warehouse which caused by 5 factors, that are man, method, material, machine and environment. Using Failure Mode and Effect Analysis (FMEA), it finds that wireless technology implementation, implementation of function capacity check, job monitoring and staff training are needed to improve warehouse management at PT. Garuda Maintenance Facility.

Keyword: *Warehouse management, process improvement, FMEA, fishbone, wireless technology.*



ABSTRAK

Penelitian ini bertujuan untuk mengidentifikasi penyebab masalah yang terjadi di gudang dan memberikan solusi untuk mengatasi masalah tersebut. Gudang merupakan salah satu bagian dalam supply chain yang sangat berperan penting di PT. Garuda Maintenance Facility, karena gudang menyimpan komponen-komponen material yang digunakan untuk kegiatan perawatan pesawat. Namun beberapa masalah di dalam gudang mengakibatkan proses di dalam gudang kurang optimal. Analisa fishbone digunakan untuk mengidentifikasi penyebab masalah yang terjadi di gudang yang disebabkan oleh 5 faktor yaitu orang (*man*), metode (*method*), material, mesin (*equipment*), lingkungan. Menggunakan pendekatan *failure mode and effect analysis*, didapatkan bahwa penggunaan teknologi *wireless*, penerapan fungsi *capacity check* dan fungsi monitoring serta pelatihan diperlukan untuk memperbaiki manajemen pergudangan di PT. Garuda Maintenance Facility

Kata kunci: Manajemen pergudangan, perbaikan proses, FMEA, *Fishbone*, teknologi *wireless*.

