

**FAKULTAS TEKNIK**  
**UNIVERSITAS STIKUBANK (UNISBANK) SEMARANG**  
Skripsi Strata 1 Program Studi Teknik Industri  
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**PERANCANGAN TATA LETAK GUDANG SPARE PART  
MENGUNAKAN METODE *RANDOMIZE STORAGE* PADA *ENGINEERING*  
*DEPARTEMEN GUMAYA TOWER HOTEL SEMARANG***

***SPARE PART WAREHOUSE DESIGN USING RANDOMIZE STORAGE  
METHOD IN ENGINEERING DEPARTMENT OF GUMAYA TOWER HOTEL  
SEMARANG***

Arvin Adhi Raharjo  
NIM : 15.04.51.0005

**Abstrak**

Gumaya Tower Hotel Semarang adalah salah satu hotel kualifikasi bintang lima di kota Semarang yang memiliki 269 kamar. Engineering merupakan salah satu departemen atau divisi di dalam hotel yang memiliki tugas perawatan gedung dan atau perbaikan terhadap peralatan yang digunakan untuk operasional hotel, hal ini yang mendorong engineering departemen dituntut memiliki gudang sebagai tempat penyimpanan spare part atau alat yang memadai

Sedangkan permasalahan yang terjadi pada gudang engineering departemen Gumaya Tower Hotel Semarang adalah keterbatasan luas dan utilitas gudang yang rendah. Hal ini dapat diselesaikan dengan metode *randomize storage*. *Randomize storage* merupakan metode penyimpanan barang penyimpanan yang memungkinkan produk yang disimpan berpindah lokasi penyimpanannya setiap waktu Penempatan barang hanya memperhatikan jarak terdekat menuju suatu tempat penyimpanan dengan perputaran penyimpanannya menggunakan sistem FIFO (First In First Out). Faktor-faktor lain seperti jenis barang yang disimpan, Penelitian ini adalah merancang tata letak gudang penerapan *randomize storage* dengan menerapkan system FIFO (*frist in frist out*) dalam pembuatan laporan keuangan gudang, penerapan kartu persediaan (*bin card*) serta pembuatan layout gudang baru yang lebih efektif

Berdasarkan analisis hasil perhitungan dapat disimpulkan bahwa penerapan *randomize storage* ini sangat membantu proses penataan barang pada gudang produk jadi di engineering departemen Gumaya Tower Hotel Semarang agar lebih efisien dan terstruktur.

**Kata kunci** : *Randomize storage, FIFO ( frist in frist Out ) , Bin Card, layout*

## **Abstrac**

Gumaya Tower Hotel Semarang is one of the five star qualified hotels in Semarang which has 269 rooms. Engineering is one of the departments or divisions within the hotel that has the task of building maintenance and or repair of equipment used for hotel operations, this is what drives the engineering department to have a warehouse as a place to store spare parts or adequate equipment

While the problems that occur in the Gumaya Tower Hotel Semarang warehouse engineering department are limited area and low warehouse utility. This can be solved by the randomize storage method. Randomize storage is a method of storing goods that allows stored products to move their storage locations at all times. Placement of goods only takes into account the shortest distance to a storage place by rotating its storage using the FIFO (First In First Out) system. Other factors such as the type of goods stored, This research is to design the warehouse layout of the application of randomize storage by applying the FIFO (frist in frist out) system in making financial statements of the warehouse, the application of inventory cards (bin cards) and making new warehouse layouts which are more effective

Based on the analysis of the calculation results it can be concluded that the application of randomize storage is very helpful in the arrangement of goods in the warehouse of finished products in the engineering department Gumaya Tower Hotel Semarang to be more efficient and structured.

**Keyword** : *Randomize storage, FIFO ( frist in frist Out) , Bin Card, layout*

Semarang, 27 Januari 2020

Pembimbing

(Anthoni Yohanes, S.T, M.T)

NIDN.0617067502

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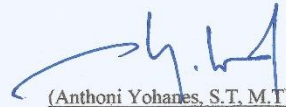
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