Permasalahan Newsboy Multiproduk dengan Kapasitas Penyimpanan Terbatas dan Sistem Outsourcing = Multi Product Newsboy Problem with Limited Storage Capacity and Outsourcing System

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Abstrak

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Permasalahan newsboy merupakan permasalahan memaksimumkan keuntungan pada produk yang mempunyai batas waktu penjualan dan jumlah permintaan yang belum pasti. Skripsi ini membahas permasalahan newsboy multiproduk dengan kapasitas penyimpanan gudang terbatas. Untuk mengatasi kekurangan produk akibat kapasitas penyimpanan gudang yang terbatas, penjual membeli produk di luar agen utama yang disebut agen outsourcing. Permasalahan newsboy ini dimodelkan ke dalam masalah nonlinear programming. Selanjutnya dijelaskan karakteristik solusi optimal dari permasalahan ini sehingga didapatkan solusi optimalnya.

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ABSTRACT

Newsboy problems is the problem of maximizing profits on products that have a time limit of sales and uncertain demand. This skripsi discuss multi-product newsboy problem with limited storage capacity. To deal with possible shortage of the product due to the limited storage capacity, the seller buy products outside the main agent called outsourcer. This newsboy problems can be modeled into a nonlinear programming problem. Next will be explained the properties of the optimal solution of this problem to obtain the optimal solution.;Newsboy problems is the problem of maximizing profits on products that have a time limit of sales and uncertain demand. This skripsi discuss multi-product newsboy problem with limited storage capacity. To deal with possible shortage of the product due to the limited storage capacity, the seller buy products outside the main agent called outsourcer. This newsboy problems can be modeled into a nonlinear programming problem. Next will be explained the properties of the optimal solution of this problem to obtain the optimal solution., Newsboy problems is the problem of maximizing profits on products that have a time limit of sales and uncertain demand. This skripsi discuss multi-product newsboy problem with limited storage capacity. To deal with possible shortage of the product due to the limited storage capacity, the seller buy products outside the main agent called outsourcer. This newsboy problems can be modeled into a nonlinear programming problem. Next will be explained the properties of the optimal solution of this problem to obtain the optimal solution.]