ABSTRACT

Bulog Divre Sub Region-1 Bandung, is one area that is under Bulog Divre West Java. Bulog Sub-Areas 1 Bandung Regional Division oversees the distribution of Raskin 5 work areas is Bandung Regency, Cimahi, West Bandung Regency, Bandung and Sumedang District. Bulog Sub-Areas 1 Bandung Regional Division has four warehouses of rice with different capacities. In the existing condition, the grouping of rice warehouses and distribution points are grouped by area of the region and does not account for the distribution mathematically distance. Therefore, Bulog Divre Sub Region-1 Bandung need a calculation to classify rice warehouses and distribution points. After grouping rice warehouses and distribution points do, it takes scheduling Raskin distribution each month to allow the distribution to be optimal. Raskin distribution issues in Sub Divre Bulog Bandung Region-1 has characteristics VRP, multiple depots and multiple trips.Tabu Search metaheuristics is one method that can be used to find the optimal solution of the distribution Raskin Bulog Divre Regional Sub-1 Bandung. Based on tabu search methodology has several stages that do the initialization parameter search, checked the attributes and needs Raskin at each distribution point, calculate the total distance of the new distribution, determine the best solution at this time, preparing the route for produce distribution routes with a total distance better, and the last is to determine the best solution. The use of this method is done after any grouping of rice warehouses to distribution points.
Raskin distribution Scheduling using tabu search methods search resulted Raskin distribution schedule with a maximum of 17 days in each group rice warehouse.

Keywords: Routing, Scheduling, Raskin, Tabu Search.