

## ABSTRACT

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*Garansindo Inter Global is one of the authorized distributors serving vehicle brand Chrysler, Jeep, Dodge, and Super Car others. By using the 3S concept, namely Sales, Service, and Spare parts. In this case, Garansindo Inter Global still often experience delays inventory of spare parts. The warehouse must make a purchase order (PO) first and then approved by the head of the workshop, PO part approval process is still using the manual method, namely the signatures. If approved, purchase order is handed over to the spare parts to do the booking to suppliers. This makes the process of servicing the vehicle becomes long, due to the lack of readiness fulfillment of spare parts inventory in the warehouse. Based on the above review, Garansindo Inter Global start thinking tools that can facilitate decision making for the supply of spare parts. Therefore, they invented a system that can help determine the decision to warehouse inventory of spare parts required. Making the Decision Support System Inventory Spare Part on Garansindo Inter Global With Simple Additive weighting method, the method of weighting that seek a weighted summation of rating the performance of each alternative on all attributes. This system is expected to improve the performance of the warehouse in terms of decision making inventories of spare parts, head of the workshop in doing approve PO parts and spare parts in the spare PO reservations.*

*Keywords: Garansindo Inter Global, Purchase Order, Spare Parts, Simple Additive weighting method*