DECISION SUPPORT SYSTEM APPLICATION IN ORDERING PRODUCTS USING THE FUZZY TSUKAMOTO METHOD

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ABSTRACT

Ordering products is an activity that is widely carried out today because a system that is friendly to sellers and buyers is provided. The seller can guarantee that the sale of his product is sold before procuring the product and the buyer is not worried about the product being purchased running out. Various ways of ordering are done in its use, one of which is ordering the product in advance before the product is available by the factory. In ordering products, accuracy is needed in the decision so as not to experience the risk of loss, due to the sales results obtained are not in accordance with the orders made, this is due to excess remaining from sales or lack of availability of products to be sold on demand. So it is necessary to calculate estimates and the right decisions to minimize the risk of loss and maximize profits. The purpose of the research is to make a decision support application that can be used or estimate the number of orders that will be used as a production reference. The method in this research uses the Tsukamoto fuzzy method. In the study, it can produce the number of product orders for the future which is used in estimating product orders.

Keywords: *Ordering, Estimate, Decision Support System, Web, Tsukamoto*