

**DECISION SUPPORT SYSTEM RECOMMENDATION
PURCHASE OF AUCTION GOODS USING THE FUZZY
METHOD OF TAHANI DATABASE MODEL CASE STUDY
CV PRIMA ENGINEERING**

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ABSTRACT

CV. Prima Engineering, is one of the companies engaged in general trade services related to trade goods with the sale and purchase of items from companies around the area. For CV decision making process. Prima Engineering is based on simple excel data with the process of selecting auction items that are considered less suitable, because it is only based on the calculation of price and quantity data, so the results obtained are less profitable and tend to suffer losses, or vice versa for the selection of auction items with a large capacity but the quality is not good so that the company's profit can even be minus because of less effective elections. This study uses the Fuzzy Database Model Resistant method. Tests carried out from a comparison of the results of company calculations and system calculations for the first period obtained a percentage of: 60%, the second test obtained a percentage of: 70%, and the third test obtained a percentage of 80%, based on the analysis of system test results, with the calculation of the company, the auction goods recommendations obtained by testing can conclude that this system can recommend auctioned goods data from 30 test data, carried out with 3 times the period which shows that the decision support system can function properly with a 70% approach in accordance with the method of Fuzzy Database Model Tahani

Keyword : *Fuzzy Database Model Tahani, Decision Support System*

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