

# APPLICATION OF *FUZZY GOAL PROGRAMMING* IN LINEAR PROGRAM IN BAGS DISTRIBUTION AT CV. GOENO

## ABSTRACT

One of the significant issues in the management of the company is the distribution problem. In the industrial world, per-unit transportation costs and demand in the transportation problem is not easy to be specified precisely because of several factors. Both of the above are variables that affect the distribution pattern contained in a company. Distribution pattern of the distribution of goods in the form of an area to the point of ordering. It becomes one of determining a company's loss or fortunately as it relates directly to the cost and time of distribution. In this thesis the model developed in the purse distribution by using *Fuzzy Goal Programming* method that aims to minimize the per-unit transportation costs that are *fuzzy*. *Fuzzy Goal Programming* is used to deal with this ambiguity by *Goal Programming* approach using triangular membership functions. This method produces a decrease in the cost of expenses provided. Where the total cost of Rp 5.211.060,00 targeted can be minimized to Rp. 5.120.794,00.

**Keywords** : *transportation costs, fuzzy goal programming.*

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