

## **Abstract**

The company that agent for a product both foreign and domestic are often asked for a letter of support by the company or the auction bidders. This makes difficult an enterprise manager to determine the priority they wish to support him because many companies are asking for and many that exist in a single tender about the same time.

Decision Support System is a system that is used as a tool to determine the priority of corporate manager who will be supported if the distributor in following a tender. Method of Analytical Hierarchy Process (AHP) is a method that breaks the problem into a hierarchical model in solving the problem first. While the method of Data Envelopment Analysis (DEA) is a method to evaluate and solve problems by integrating multiple inputs and outputs. The output value is the value that can provide benefits for the company or individual, while the input is the cost incurred to obtain these benefits.

Fast and accurate decisions become important issues in an enterprise, in this final task case study is the decision of which company should be supported and which ones do not. In this final task AHP/DEA method is used for decision support systems. Data analysis was done by comparing AHP/DEA method with real decisions in the field, and compare with methods that create the AHP and DEA. The results of this method of analysis is to AHP / DEA level decision-making suitability increased to 89.68% compared with AHP and DEA methods so that it can be concluded that the DSS with the method of AHP / DEA yield better decisions than the method of AHP or DEA.

**Keywords:** DSS, AHP, DEA, AHP/DEA, Sole Agent, Tenders