

***The Best Supplier Selection Decision Support System In The Manufacturing Industry Using The Fuzzy Tsukamoto Method***

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***ABSTRACT***

*CV Bonjor Jaya is a manufacturing company for metal casting and manholes, grills, garden chairs, pulleys, hot plates, street lights, roof drains, iron wheels, gears, ornaments. Moreover, to meet the production materials in this company, CV Bonjor Jaya requires suppliers of raw materials to large companies. This study aims to assist CV Bonjor Jaya in determining suppliers of raw materials according to the criteria that have been targeted by CV Bonjor Jaya. In this study, the Fuzzy Tsukamoto method was used to determine the output value in determining the best supplier by the criteria of management capability, price, delivery performance, technical capability, and geographical location. The results of this study obtained a decision support system in determining suppliers based on the criteria targeted by CV Bonjor Jaya with a system accuracy result of 80%, which means that the supplier selection decision support system using the Tsukamoto fuzzy method is accurate.*

***Keyword : System in Determining Suppliers, Fuzzy Tsukamoto, Website***