

**FUZZY TSUKAMOTO IMPLEMENTATION FOR
WEB-BASED COMPUTER SPECIFICATION RECOMMENDATIONS
(Case Study: Starcomp Jakal Computer Store)**

ABSTRACT

Starcomp Jogja Jakal is a computer shop located in Jogja, precisely on Jl. Kaliurang No. Km 14, Tj. Manding, Umbulmartani, Kec. Ngemplak, Sleman Regency, Special Region of Yogyakarta. This shop sells a variety of computer needs to provide computer assembly services. Then here I offer a system that can help Starcomp customers in finding the desired computer specifications. This system is made using the Fuzzy Tsukamoto method in recommending what kind of computer package can be obtained based on the budget and specifications entered by the user. The system will be made with the PHP programming language and use MySQL as the database. With the creation of this system is expected to assist customers in choosing the required computer specifications. This study uses the Tsukamoto fuzzy inference system to help determine the computer specifications obtained by Starcomp customers. With this method, it is hoped that the determination of the specifications will be correct because it is based on the set value of each criterion and then these values are entered into a predetermined rule base so that more accurate results will be obtained against computer specifications in the form of recommended PC packages. In making the system, the author creates a website-based system to assist Starcomp customers in finding the desired computer specifications. The result of this research is a computer specification in the form of a PC package, where the PC package is recommended based on the final fuzzy value obtained. If the value obtained is less than 75 then package 1 will be recommended, then if the value obtained is between 75 to 90 then package 2 is recommended, and if the value is 90-100, package 3.

Keywords : STARCOMP Jakal, Recommendation, PC Package, FUZZY TSUKAMOTO, PHP, MySQL, Criteria, Set, Rule Base.