ABSTRACT

Fitria Rizky Alfiana.2014. *Fuzzy K-Nearest Neighbor* **Implementation in Classifying Information Technology and Computer Science Program Freshman's Tuition and Brawijaya University Malang. Computer Science Minor Thesis, Brawijaya University, Malang. Advisors: Budi Darma Setiawan, S.Kom, M.Cs. and Imam Cholissodin, S.Si, M.Kom.**

Brawijaya University adjust their tuition and fees for freshman students based on their financial capabilities. Uang Kuliah Tunggal (UKT) for academic year 2013/2014 had to be paid full for the first year.

Author implemented *Fuzzy K-Nearest Neighbor* in this research classifying process. *Fuzzy K-Nearest Neighbor* is a method that has the ability to present a decision in a form of a category that is based on calculations and the training data analysis. From the obtained result, it can be concluded that *Fuzzy K-Nearest Neighbor* method which is used in this research has an optimal accuracy in the amount of 95, 92% for SBNMPTN/SNMPTN and 96,1% for SPMK.

Key Phrases: Classification, *Fuzzy K-Nearest Neighbor*, Tuition and Fees