APPLICATION OF FUZZY MCDM AHP METHOD TO DETERMINE THE EXCELLENT HANDPHONE

Name : Feni Diah Lestari
NRP  : 1205.100.057
Department : Matematika FMIPA-ITS
Advisor : Drs. I Gusti Ngurah Rai Usadha, M.Si

ABSTRACT

This research discusses the decision making problem to choose mobile phone (handphone) from many sub criterias that deal with choosen the excellent handphone process. This research is purpose to apply fuzzy and multy criteria decision making (MCDM) method. MCDM is used to because basically the excellent handphone selection problem always consider a set of criteria and sub criteria. The AHP method is used due to this method gives preference more dominant that will help decision makers select the best decision. Fuzzy numbers are used to describe any judgements of sub criteria to excellent handphone level. By using fuzzy MCDM AHP, the excellent level of handphone will be known more exactly for complicated things if decision making comes from the intuition and subjectivity only. The conclusion is Nokia 5220 is more excellent.

Key word : fuzzy number, MCDM, AHP.
(Halaman ini sengaja dikosongkan)