

Abstract

Adaptive Neuro Fuzzy Inference System (ANFIS) is a combination between fuzzy system and artificial neural network. Where membership function of fuzzy system will be fixed by the learning process of ANN to provide better accuration for classification system.

This essay implements ANFIS for recommending group of specialization (KBK) of student's final essay. Knowing KBK of their future final essay can make students become more focus on the subject of interest and accelerate the time of graduation. Through counting the amount of interest and students average GPA for each course in every majors, recommendation of KBK for the students can be determined.

Testing result from test set shows that recommending KBK of student's final essay by using ANFIS is able to provide accuration of 96% for first test test and 88% for second test set.

Keywords: *KBK, fuzzy system, ANN, ANFIS*