

ABSTRACT

This research was conducted with the aim of producing recommendations for majors and accuracy evaluation of the major recommendation system in the right university by using the hybrid recommender system approach. Hybrid recommender system is a technique that combines several recommendation techniques. Hybrid recommender systems have several techniques including weighted, switching, mixed, cascade, feature augmentation and meta-level. The research method used in this study uses a weighted technique that is combining values recommendations on several techniques based on certain parameters. This study uses Fuzzy Analytic Hierarchy Process (AHP). Where in general the calculation procedure consists of four steps, namely an alternative assessment of each criterion, weighting criteria, calculating the final score and final decision ranking. The results of this study are recommended by majors based on academic values, interests and talents that are expected to help students determine the majors to be taken at the next level of education. Based on the results of the analysis carried out on the main criteria, the interest criteria have the largest proportion of 51,9%, the second criterion is the value of 30,8% and the competency criteria are talent with 17,3%. With an accuracy of 91.42%, it can be said that this recommendation is very good.

Keywords: Hybrid Recommender System, Fuzzy AHP, System Recommendation