Sistem Rekomendasi Pemilihan Progran Studi Perguruan Tinggi dengan Pendekatan *Hybrid Recommendation* untuk Siswa SMA Sederajat

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Abstract

        University educational level is one of the most important educational level in deciding the future of a student. Where with the chosen major someone can implement their sharpened skills towards the world of works. Therefore many high school student prepare themselves seriously after the educational level of high school studies to deciding the right major for maximize their potential. But deciding the right major with the same interest and capability is not an easy task. This happened because many variete of major that complicate the decision making process. The struggle to decide major university decision able to detrimental the students who will join university educational level soon, so a student must be careful in deciding the decision. In this research hybrid recommendation approach is being used to help recommend a recommendation in deciding a major universities with an assign of 4 recommend alternatives from all of the alternatives system has. The purpose of the research to be achieved is to build a recommendation major universities system that capable of processing lesson value criteria from 4 subjects and processing chosen pre-major universities as shown their interest, Implement a merging system from K-Nearest Neighbour with Simple Additive Weighting as a weighting criteria from the similar neighbour. So the student has major universities alternatives that they can consider for reducing the confusion in deciding the major universities. From the result, The system testing which used 2451 data as dataset, and 38 corresponden. This system get 72% of accuracy for the sucssess result.

Keyword: *hybrid recommendation approach*, *recommendation system, university major*