

ABSTRACT

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Implementation Method Analytical Hierarchy Process, Naïve Bayes Classification, and Simple Additive Weighting on Acceptance Decision Support System New Student at Bung Karno University Computer Science Faculty.

The process of admission of new students is an important process that is placed at the front as a strategic position of collecting, processing data to decision making on the acceptance or absence and whether or not a student on a course for a particular faculty in a particular university. Factors used are TPA test, Psychotest test, High School, and Interests. In this research, implements three methods namely; method of Analytical Hierarchy Process, Naïve Bayes Classification and Simple Additive Weighting on decision support system of new student admission in computer science faculty of Bung Karno University. Testing on these 4 factors resulted in the Interests factor as the highest percentage factor in influencing the graduation rate of 68.75% for the SI department and 80% for the SK majors in the TA2012 / 2013 student test data and graduated in 2015. Use of the above three methods can provide better and more accurate results in more efficient and efficient admissions and alignment procedures aimed at improving higher graduation rates especially on the Naïve Bayes Classification method on graduate tests for Interests and Real factors.

Keyword : *Decision Support System, Analytical Hierarchy Process, Naïve Bayes Classification, Simple Additive Weighting.*

xv + 73 + 33 gambar + 35 table)

Bibliography (2005 – 2017)