

DECISION SUPPORT SYSTEM
DETERMINATION RECIPIENTS SCHOLARSHIP SELECTION
USING OF PREFERENCE RANKING ORGANIZATION METHOD FOR
ENRICHMENT EVALUATION (PROMETHEE)
(Case Study : University of Muhammadiyah Jember)

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ABSTRACT

University of Muhammadiyah Jember is one of Universities which provides scholarships for students who are achievement and low economic, one of them is Education Improving Academic Achievement (BBP – PPA) for those who are low economic but have good achievements. To select students' candidates who will get scholarship in Determination Recipients Scholarship Selection hopefully the decision that will be taken is appropriate and targeted, so that the students that should get scholarships get their rights, with grouping being 2 conditions, "Accepted" and "Not Accepted" ,

Determination Recipients Scholarship Selection method using of *Preference Ranking Organization Method for Enrichment Evaluation (Promethee)* it is one of methods to determine order or priority in analyzing multicriteria or who have more than one criterion. Criteria's which are set according to University procedure such as Grade-Point Average (GPA), Parents/Gurdians' Income, Parents/Gurdians' Number of Responsibility and Semester.

From the results a 72.5 % level of accuracy and precision 78 % , this suggests that the prediction of Promethee method can be used as a predictive system is close to the results of the analysis of the original data Universities. Hopefully the using of *Promethee* method can solve the problem of Determination Recipients Scholarship Selection BBP – PPA.

Keywords : Promethee, Determination Scholarship