DECISION SUPPORT SYSTEM FOR SELECTION OF ACHIEVEMENT TEACHERS USING PROMETHEE METHOD

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Abstract

This decision support system used to select outstanding teachers and aimed Department of Education at Surabaya who still use manual systems in assessing candidates for outstanding teachers. So the system is expected to assist department in the process of assessment and determination of outstanding teachers in municipality of Surabaya quickly and accurately. The method used in the selection of ranking top teachers in system using Promethee method; a method that is included in group problem solving MultiCriteria Decision Making (MCDM). The results of ranking in this system is influenced by selection preference criteria and threshold determination are entered into system. So, outranking results have same and there is not same as the process of manual selection. The testing of system uses data value of 45 teachers, who outranking groups divided according to TK, SD/MI, SMP/Tsanawiyah, SMA/MA, and SMK. Several trials that have been conducted to determine outstanding teachers, this outranking results much faster and more accountable.

Key words: Decision Support System, Achievement Teacher, Promethee method