

ABSTRAK

SISTEM PENDUKUNG KEPUTUSAN MENENTUKAN GURU BERPRESTASI DI SMA NEGERI 1 BONDOWOSO MENGGUNAKAN METODE TECHNIQUE FOR ORDER PREFERENCE BY SIMILARITY TO IDEAL SOLUTION (TOPSIS)

¹ Fery Dwi Bastian (0910651043), ² Daryanto S.Kom.,M. Kom,
³ Hardiyan Oktavianto, S.Si
E-mail : Ferybastian.fb@gmail.com

*Program Studi Teknik Informatika Fakultas Teknik
Universitas Muhammadiyah Jember*

Pemilihan menentukan guru berprestasi di SMA Negeri 1 Bondowoso menjadi suatu proses yang lama dan rumit. Proses pemilihan tersebut banyak terdapat peluang untuk membuat keputusan yang salah karena proses pemilihan guru prestasi berdasarkan subyektifitas, ini berarti kemungkinan besar guru prestasi yang dipilih tidak mencapai standart yang diinginkan dan tidak memperoleh kandidat terbaik. Oleh karena itu dibuatlah suatu system pendukung keputusan yang dapat melakukan proses perhitungan terhadap seluruh kriteria untuk pemilihan guru prestasi. *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS) merupakan suatu metode yang memiliki konsep dimana alternative terbaik tidak hanya memiliki jarak terpendek dari solusi ideal positif, namun juga memiliki jarak terpanjang dari solusi ideal negative. kriteria yang digunakan beragam sesuai dengan yang ditetapkan sekolah. Data guru yang telah dimasukkan ke system akan dihitung menggunakan metode *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS), dengan mencari jarak terjauh dan terdekat dari solusi ideal positif dan negatif.

Kata Kunci : *Sistem Pendukung Keputusan, TOPSIS, Menentukan Guru Berprestasi*

ABSTRACT

DECISION SUPPORT SYSTEM DETERMINES OUTSTANDING TEACHERS IN SMA NEGERI 1 BONDOWOSO USING TECHNIQUE FOR ORDER PREFERENCE BY SIMILARITY TO IDEAL SOLUTION (TOPSIS) METHODOLOGY

¹ *Fery Dwi Bastian (0910651043)*, ² *Daryanto S.Kom.,M. Kom,*
³ *Hardiyan Oktavianto, S.Si*
E-mail : Ferybastian.fb@gmail.com

*Informatics Engineering Program, Faculty of Engineering
Universitas Muhammadiyah Jember*

Elections determine the outstanding teachers in SMA Negeri 1 Bondowoso be a long and complicated process. The electoral process there are many opportunities to make the wrong decisions because the process of selecting teachers achievement based on subjectivity, this means that most likely accomplishment selected teachers do not achieve the desired standards and did not get the best candidate. Therefore made a decision support system that can perform the calculation on all the criteria for the selection of teachers achievement. Technique for Order Preference by Similarity to Ideal Solution (TOPSIS) is a method that has a concept where the best alternative not only has the shortest distance from the positive ideal solution, but it also has the longest distance from the negative ideal solution. the criteria used vary in accordance with established schools. Teacher data that has been entered into the system will be calculated using the method Technique for Order Preference by Similarity to Ideal Solution (TOPSIS), by searching for the furthest distance and the closest positive and negative ideal solution.

Keyword : Decision Support Syste, TOPSIS, Determining Outstanding Teachers