SISTEM PENDUKUNG KEPUTUSAN UNTUK MENENTUKAN LOKASI RUMAH MAKAN DI GRESIK DENGAN MENGGUNAKAN METODE FUZZY AHP

By

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NPM 10.622.038

Information submitted to the Faculty of Engineering Program Muhammadiyah University of Gresik on January 16th, 2016 to meet most requirements of obtaining an undergraduate degree S-1 Engineering Program Information

ABSTRACTION

To determine the location of the restaurant in the area gresik, businessmen or traders are often confused in making a decision because of many criteria that influence the choice that exist, to solve the problem the use *Fuzzy ahp and Cumulative voting*. Fuzzy ahp method is used to determine the value of eigen vectors of alternative and Cumulative voting method is used to determine the value of eigen vectors of criteria. The criteria used in this study are : The number of population, Pricing, Target consumers, Business, Completeness, The number of business/ competitors, Potential for development, The population of interest, Public transport, Typical food. The economy around the site, and Land / area. Whereas the alternative on the road Gresik Kota Baru (GKB), Wahidin Sudiro Husodo (WSH), Kartini (K), Veteran (V), Panglima Sudirman (PS), Basuki Rahmad (BR), and Gubernur Suyo (GS). Eigen values vectors result from Cumulative voting method and Fuzzy ahp in the composite matrix multiplication or in doing so will make a recommendation to the businessmen or traders to determine the location of the restaurant corresponding to the desired. On the result of CR assessment which is consistent with value CR ≤ 10 % recommendation of the option of residence location is suggested, but on CR assessment is not consistent so the recommendation is not suggested. The level of the result acceptance perception of average system recommendation in this research is 6 from distance value among 1 up to 9.

Keywords : *metode fuzzy ahp, metode comulative voting, cr, eigen vektor konsistensi*

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