

ABSTRACT

TITLE, DETERMINING THE ELIGIBILITY OF RECIPIENTS OF THE HOPE FAMILY PROGRAM (PKH) FOR OPTIMIZING MANAGEMENT IN THE SOCIAL SERVICES OF SAROLANGUN DISTRICT USING THE TECHNIQUE FOR ORDER PREFERENCE BY SIMILARITY TO IDEAL SOLUTION (TOPSIS) METHOD

Determining the eligibility of recipients of the Family Hope Program (PKH) assistance is an important aspect in optimizing management at the Sarolangun Regency Social Service. In this modern era, developments in science and technology, especially in the field of Decision Support Systems (DSS), offer effective solutions to increase the efficiency of decision making. This research aims to analyze and evaluate the effectiveness of the Technique for Order Preference by Similarity to Ideal Solution (TOPSIS) method in determining the eligibility of PKH recipients. This research uses the TOPSIS method to develop an application system that is able to provide the right solution in the PKH recipient selection process. The system, which was built using the PHP programming language, was tested using data from 30 residents, of which 8 people were selected as PKH recipients, while 22 others did not meet the requirements. The research results show that the application of the TOPSIS method has proven effective in providing an objective assessment based on the difference in value of each alternative being compared. This application not only increases efficiency in data management and management processes, but also reduces the potential for errors in decision making at the Sarolangun Regency Social Service.

Keywords: SPK, PKH recipients, TOPSIS, PHP

ABSTRAK

JUDUL, PENENTUAN KELAYAKAN PENERIMA BANTUAN PROGRAM KELUARGA HARAPAN (PKH) UNTUK OPTIMALISASI MANAJEMEN PADA DINAS SOSIAL KABUPATEN SAROLANGUN MENGGUNAKAN METODE TECHNIQUE FOR ORDER PREFERENCE BY SIMILARITY TO IDEAL SOLUTION (TOPSIS)

Penentuan kelayakan penerima bantuan Program Keluarga Harapan (PKH) merupakan aspek penting dalam optimalisasi manajemen di Dinas Sosial Kabupaten Sarolangun. Dalam era modern ini, perkembangan ilmu pengetahuan dan teknologi, khususnya dalam bidang Sistem Pendukung Keputusan (SPK), menawarkan solusi yang efektif untuk meningkatkan efisiensi pengambilan keputusan. Penelitian ini bertujuan untuk menganalisis dan mengevaluasi efektivitas metode Technique for Order Preference by Similarity to Ideal Solution (TOPSIS) dalam menentukan kelayakan penerima PKH. Penelitian ini menggunakan metode TOPSIS untuk mengembangkan sebuah sistem aplikasi yang mampu memberikan solusi yang tepat dalam proses seleksi penerima PKH. Sistem yang dibangun menggunakan bahasa pemrograman PHP ini diuji menggunakan data dari 30 penduduk, di mana 8 orang terpilih sebagai penerima PKH, sementara 22 lainnya tidak memenuhi syarat. Hasil penelitian menunjukkan bahwa penerapan metode TOPSIS terbukti efektif dalam memberikan penilaian objektif berdasarkan perbedaan nilai dari setiap alternatif yang dibandingkan. Aplikasi ini tidak hanya meningkatkan efisiensi dalam pengelolaan data dan proses manajemen, tetapi juga mengurangi potensi kesalahan dalam pengambilan keputusan di Dinas Sosial Kabupaten Sarolangun.

Kata Kunci: SPK, Penerima PKH, TOPSIS, PHP