

ABSTRAK

RANCANG BANGUN SISTEM PENDUKUNG KEPUTUSAN PENERIMA BANTUAN DANA DESA DENGAN MENGGUNAKAN METODE *PROFILE MATCHING* DI DESA KARANGCEGAK

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Kurangnya pertimbangan dalam menentukan penerima bantuan dana desa telah menjadi masalah di Desa Karangcegak. Kriteria calon penerima bantuan hanya digunakan sebagai pemilah apakah suatu keluarga miskin bisa atau tidak menerima bantuan dana desa. Dengan memanfaatkan metode pencocokan kriteria antar alternatif keluarga calon penerima bantuan diharapkan dapat membantu petugas memilih secara lebih objektif. Penelitian ini bertujuan untuk mengetahui langkah-langkah mengubah kriteria calon penerima bantuan menjadi suatu daftar peringkat kecocokan antar calon dengan merancang dan mengembangkan suatu sistem informasi pendukung keputusan penyaluran bantuan dana desa di Karangcegak. Pengembangan sistem dilakukan menggunakan metode *waterfall*. Sistem yang dihasilkan adalah sistem berbasis *web* yang ditulis dengan bahasa pemrograman *PHP* dan untuk menangani data yang disimpan menggunakan *DBMS MySQL*. Hasil akhir dari penelitian ini menunjukkan bahwa sistem yang telah dibangun mampu mengolah data alternatif, aspek, kriteria, nilai alternatif dan menjalankan perhitungan metode *profile matching* sehingga menghasilkan daftar peringkat kelayakan calon penerima bantuan dana desa.

Kata Kunci: bantuan, dana desa, pencocokan profil, sistem pendukung keputusan, *waterfall*.

ABSTRACT

DESIGN AND DEVELOPMENT OF A DECISION SUPPORT SYSTEM FOR VILLAGE FUND AID RECIPIENTS USING PROFILE MATCHING METHOD IN KARANGCEGAK VILLAGE

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The lack of consideration in determining recipients of village fund assistance has become a problem in the village of Karangcegak. The criteria for potential aid recipients are only used as a filter to determine whether a poor family is eligible for village fund assistance or not. By utilizing a method of matching criteria among alternative candidate families, it is hoped that this can assist officials in making more objective selections. This research aims to understand the steps involved in transforming the criteria for potential aid recipients into a list of compatibility rankings among candidates, by designing and developing a decision-support information system for the distribution of village fund assistance in Karangcegak. The system development is carried out using the waterfall method. The resulting system is a web-based system written in the PHP programming language, and it uses the MySQL DBMS to handle stored data. The final outcome of this research indicates that the built system is capable of processing alternative data, aspects, criteria, alternative values, and executing the calculations of the profile matching method, thereby generating a list of rankings for the eligibility of potential recipients of village fund assistance.

Keywords: assistance, village funds, profile matching, decision support system, waterfall.