

ABSTRAK

Penelitian ini bertujuan untuk membangun Sistem Pendukung Keputusan Seleksi Calon Peserta Pelatihan Asesor Kompetensi bagi Guru SMK pada Dinas Pendidikan Provinsi Sumatera Selatan menggunakan metode *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS). Latar belakang penelitian ini yaitu proses seleksi calon peserta pelatihan asesor kompetensi yang masih mengalami kendala dalam pengelolaan data peserta, proses verifikasi dokumen, serta penentuan peserta yang memenuhi kriteria seleksi. Kondisi tersebut menyebabkan proses seleksi membutuhkan waktu yang cukup lama dan berpotensi menimbulkan subjektivitas dalam pengambilan keputusan. Sistem ini dirancang untuk membantu pihak Dinas Pendidikan Provinsi Sumatera Selatan dalam melakukan proses seleksi secara lebih terstruktur dan objektif. Pengembangan sistem menggunakan metode *Rational Unified Process* (RUP) yang terdiri dari tahap *inception*, *elaboration*, *construction*, dan *transition*. Metode TOPSIS diterapkan untuk melakukan perhitungan dan perangkingan berdasarkan kriteria yang telah ditentukan sehingga menghasilkan rekomendasi peserta terbaik. Hasil penelitian berupa sistem berbasis *website* yang dapat mendukung proses pendaftaran, verifikasi, penilaian, serta memberikan hasil seleksi secara efektif dan transparan.

Kata Kunci: Sistem Pendukung Keputusan, TOPSIS, Seleksi Peserta, Asesor Kompetensi, Guru SMK, Dinas Pendidikan Provinsi Sumatera Selatan.

ABSTRACT

This research aims to develop a Decision Support System for the Selection of Competency Assessor Training Candidates for Vocational High School Teachers at the South Sumatra Provincial Education Office using the Technique for Order Preference by Similarity to Ideal Solution (TOPSIS) method. The background of this research is the selection process of competency assessor training candidates, which still faces problems in managing participant data, verifying documents, and determining candidates who meet the selection criteria. These conditions cause the selection process to require a considerable amount of time and may lead to subjectivity in the decision-making process. This system was designed to assist the South Sumatra Provincial Education Office in carrying out the selection process in a more structured and objective manner. The system development uses the Rational Unified Process (RUP) method, consisting of the inception, elaboration, construction, and transition phases. The TOPSIS method is applied to perform calculations and ranking based on predetermined criteria to produce recommendations for the best candidates. The research results in a web-based system that supports the registration, verification, assessment, and selection result processes effectively and transparently.

Keywords: *Decision Support System, TOPSIS, Participant Selection, Competency Assessor, Vocational High School Teachers, South Sumatra Provincial Education Office.*