

RINGKASAN

SMP Muhammadiyah 3 Purwokerto merupakan sekolah yang mengadakan program Bantuan Siswa Miskin (BSM) setiap awal semester yang diadakan pada setiap tahun ajaran baru. Selama ini pengolahan data siswa dan kelengkapan lainnya sudah diolah dengan perhitungan manual, serta penyimpanan data hanya menggunakan *microsoft excel*. Dalam penyeleksian perangkian masih menggunakan kertas. Kertas perhitungan pada penyeleksian penerima BSM tahun sebelumnya sering hilang dan susah dicari apabila sedang dibutuhkan, serta belum adanya sistem khusus untuk mengolah data tersebut sehingga cara penilaiannya masih subjektif dengan mengandalkan pandangan pribadi. Tujuan dari penelitian ini adalah terciptanya aplikasi Sistem Pendukung Keputusan (SPK) Penentuan Penerima Bantuan Siswa Miskin (BSM) menggunakan metode *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS) di SMP Muhammadiyah 3 Purwokerto, agar mempermudah proses penyeleksian Bantuan Siswa Miskin (BSM) sehingga tepat sasaran kepada siswa yang berhak mendapatkan BSM dan dapat menyimpan data dengan aman. Metode pengembangan sistem yang digunakan adalah *waterfall*. Hasil dari penelitian ini adalah Sistem Pendukung Keputusan Penentuan Bantuan Siswa Miskin Menggunakan *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS) pada SMP Muhammadiyah 3 Purwokerto yang dapat memberi masukan terhadap pengurus BSM serta dapat menyimpan data dengan aman dengan *database*.

Kata Kunci: Sistem Pendukung Keputusan, *Technique for Order Preference by Similarity to Ideal Solution* (TOPSIS), Website, SMP Muhammadiyah 3 Purwokerto

ABSTRACT

Muhammadiyah 3 Middle School Purwokerto is the school that organizes the Poor Student Assistance (BSM) program every first semester held in each new school year. During this time Processing student data and other equipment has been processed with manual calculations, as well as data storage using only Microsoft Excel. In selecting ranking, it still uses paper. The paper calculation on the selection of BSM recipients in the previous year is often lost and hard to find already needed, also there is no special system for processing the data so that the subjective method is still needed by relying on personal. The purpose of this study is the creation of a Decision Support System (SPK) application for Determining Poor Student Assistance (BSM) using the Similarity Order Preference Technique with Ideal Solution (TOPSIS) method at Muhammadiyah 3 Middle School in Purwokerto so that the selection process of Poor Student Assistance (BSM) can be used. so that it is right on target to students who are entitled to BSM and can store data safely. The system development method used is a waterfall. The results of this study are the Study Support System for Determining the Help of Poor Students Using Techniques for Preference Sequence with the Ideal Solution (TOPSIS) at Muhammadiyah 3 Middle School in Purwokerto which can provide support for BSM administrators and can store data securely with database.

Keywords: Decision Support System, Technique for Order Preference by Similarity to Ideal Solution (TOPSIS), Website, Muhammadiyah 3 Middle School, Purwokerto