

Rancang Bangun Sistem Pendukung Keputusan Bansos Bantuan Langsung Tunai Tepat Sasaran Dengan Metode SAW (Studi Kasus Desa Candipari, Sidoarjo) *(Design of Decision Support System for Targeted Direct Cash Assistance with SAW Method (Case Study of Candipari Village, Sidoarjo))*
Rani Purbaningtyas, S.Kom., MT. (Dosen Pembimbing)

Bima Prayoga
Study Program of Informatics Engineering
Majoring of Information Technology
Program Studi Teknik Informatika
Jurusan Teknologi Informasi

ABSTRACT

The Direct Cash Transfer (BLT) program is a form of social assistance provided by the government to support the poor in meeting their basic needs. However, in its implementation, the distribution of this assistance is often not on target. Therefore, this research focuses on designing a Decision Support System (SPK) with the Simple Additive Weighting (SAW) method to improve accuracy in the process of selecting prospective recipients of social assistance. The case study was conducted in Candipari Village, Sidoarjo, by considering three main criteria: the type of work of the beneficiary family (KPM), the BLT KPM category, and the number of beneficiary family members. The trial was conducted with 98 data of potential social assistance recipients, and the calculation results showed that the SAW method successfully ranked the recipients based on the highest preference value, where the recipient with the highest score was Rokmad (0.875), followed by Suwarni and Suliana YP (0.817), while the lowest score was obtained by Sunokoh (0.167). These test results are in accordance with manual calculations, proving that the developed system can assist village governments in determining beneficiaries with more targeted, transparent, and efficient social assistance distribution processes.

Key words: Decision Support System, Cash Assistance, Beneficiary Selection, SAW Method