

ABSTRACT

**TITLE : DESIGN OF A DECISION SUPPORT
SYSTEM FOR DIRECT CASH
ASSISTANCE (BLT) DISTRIBUTION IN
NAGARI SUNGAI BULUH INDUK USING
THE SIMPLE ADDITIVE WEIGHTING
(SAW) METHOD**

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The Direct Cash Assistance (BLT) program is one of the government's efforts to reduce poverty in Indonesia, including in rural areas such as Nagari Sungai Buluah, Padang Pariaman Regency. However, the selection process of beneficiaries often encounters obstacles such as manual data management and a lack of public awareness regarding the selection criteria. These issues can result in mistargeted aid distribution and social unrest. To address these challenges, this research aims to design a Decision Support System (DSS) for BLT distribution in Nagari Sungai Buluah using the Simple Additive Weighting (SAW) method. The SAW method is chosen for its ability to produce accurate results through weighted sum calculations based on specific criteria. This system is web-based, making it easily accessible and capable of securely processing and storing data. The system is expected to assist village officials in distributing aid more objectively, quickly, and accurately to those truly in need.

Keywords: *Direct Cash Assistance, Decision Support System, Simple Additive Weighting, Nagari Sungai Buluah.*

ABSTRAK

JUDUL : **PERANCANGAN SISTEM PENUNJANG KEPUTUSAN DALAM PENERIMAAN BANTUAN LANGSUNG TUNAI (BLT) DI NAGARI SUNGAI BULUAH INDUK MENGGUNAKAN METODE SIMPLE ADDITIVE WEIGHTING (SAW)**

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Program Bantuan Langsung Tunai (BLT) merupakan salah satu upaya pemerintah dalam mengurangi angka kemiskinan di Indonesia, termasuk di wilayah pedesaan seperti Nagari Sungai Buluah, Kabupaten Padang Pariaman. Namun, proses penetapan penerima bantuan di lapangan sering menghadapi berbagai kendala, seperti pengelolaan data yang masih manual dan kurangnya sosialisasi mengenai kriteria penerima bantuan. Hal ini dapat menyebabkan bantuan tidak tepat sasaran dan menimbulkan konflik sosial di masyarakat. Untuk mengatasi permasalahan tersebut, penelitian ini bertujuan merancang sebuah Sistem Penunjang Keputusan (SPK) dalam penerimaan BLT di Nagari Sungai Buluah dengan menerapkan metode Simple Additive Weighting (SAW). Metode SAW dipilih karena mampu memberikan hasil keputusan yang lebih akurat melalui perhitungan penjumlahan terbobot berdasarkan kriteria-kriteria tertentu. Sistem ini dibangun berbasis web agar mudah diakses oleh pengguna dan mampu menyimpan serta mengolah data dengan aman dan efisien. Dengan adanya sistem ini, diharapkan proses penyaluran bantuan dapat dilakukan secara lebih objektif, cepat, dan tepat sasaran.

Kata kunci: **Bantuan Langsung Tunai, Sistem Penunjang Keputusan, Simple Additive Weighting, Nagari Sungai Buluah.**