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**IMPLEMENTASI SIMPLE ADDITIVE WEIGHTING DALAM
MENENTUKAN SUPPLIER BAHAN BAKU TEPUNG PANIR PADA UD.
ADINDA’S FAMILY**, di bawah bimbingan Devi Sugianti, M.Kom dan Nur Ika
Royanti, M.Kom.

100 + xv hal / 60 gambar / 29 tabel / 30 pustaka (2017-2024)

ABSTRAK

Penentuan supplier bahan baku yang tepat merupakan aspek penting dalam mendukung kelancaran proses produksi dan kualitas produk yang dihasilkan. UD. Adinda’s Family, yang bergerak di sektor industri makanan, menghadapi tantangan dalam pemilihan supplier karena proses seleksi yang masih bersifat subjektif dan hanya mempertimbangkan aspek harga. Hal ini seringkali menyebabkan keterlambatan pengiriman, bahan baku tidak sesuai standar, dan efisiensi operasional yang menurun. Penelitian ini bertujuan untuk membangun sistem pendukung keputusan menggunakan metode Simple Additive Weighting (SAW) untuk menentukan supplier bahan baku tepung panir berdasarkan enam kriteria: harga, kualitas bahan baku, ketersediaan, waktu pengiriman, fleksibilitas pembayaran, dan layanan purna jual. Metode SAW dipilih karena mampu memberikan hasil perankingan yang akurat berdasarkan bobot preferensi dan kriteria yang telah ditentukan. Sistem ini dikembangkan menggunakan model Waterfall melalui tahapan analisis, perancangan, implementasi, dan pengujian. Hasil pengujian menunjukkan bahwa sistem yang dibangun dapat membantu UD. Adinda’s Family dalam mengevaluasi dan menentukan supplier terbaik secara objektif dan efisien. Dengan adanya sistem ini, diharapkan proses pengambilan keputusan lebih terstruktur, mendukung efisiensi operasional, dan meningkatkan daya saing perusahaan di pasar.

Kata kunci: Sistem Pendukung Keputusan, SAW, Supplier, Tepung Panir, UD. Adinda’s Family.

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**IMPLEMENTATION OF SIMPLE ADDITIVE WEIGHTING IN DETERMINING
RAW MATERIAL SUPPLIERS FOR BREADCRUMBS AT UD. ADINDA'S
FAMILY**, supervised by Devi Sugianti, M.Kom, and Nur Ika Royanti, M.Kom.

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ABSTRACT

Selecting the right supplier of raw materials is a crucial aspect of ensuring smooth production processes and maintaining the quality of the final products. UD. Adinda's Family, an enterprise in the food industry, faces challenges in supplier selection due to its subjective decision-making process that primarily focuses on price. This often leads to delays in delivery, substandard raw materials, and reduced operational efficiency. This research aims to develop a decision support system using the Simple Additive Weighting (SAW) method to determine the best supplier for breadcrumb raw materials based on six criteria: price, raw material quality, availability, delivery time, payment flexibility, and after-sales service. The SAW method was chosen for its ability to provide accurate rankings based on predefined preferences and criteria weights. The system was developed using the Waterfall model through the stages of analysis, design, implementation, and testing. The results indicate that the system can assist UD. Adinda's Family in evaluating and selecting the best supplier objectively and efficiently. It is expected that this system will lead to more structured decision-making processes, support operational efficiency, and enhance the company's competitiveness in the market.

Keywords: *Decision Support System, SAW, Supplier, Breadcrumbs, UD. Adinda's Family.*