

**PENILAIAN KINERJA *SUPPLIER SKIM MILK POWDER* DALAM
MENJAGA RANTAI PASOK DENGAN METODE *ANALYTIC
HIERARCHY PROCESS* (AHP) DAN *STANDARDIZED UNITLESS RATING*
(SUR) PADA PT XYZ**

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ABSTRAK

PT XYZ merupakan perusahaan pangan yang menggunakan *skim milk powder* sebagai bahan baku utama. Selama ini, perusahaan menghadapi ketidakkonsistenan kinerja dari tiga *supplier* yang berdampak pada operasional produksi. Namun, belum terdapat sistem penilaian kinerja *supplier* yang terstruktur dan objektif. Penelitian ini bertujuan untuk mengidentifikasi kriteria dan subkriteria yang paling berpengaruh serta mengevaluasi kinerja *supplier* secara menyeluruh. Metode yang digunakan adalah *Analytic Hierarchy Process* (AHP) untuk menentukan bobot prioritas, serta *Standardized Unitless Rating* (SUR) untuk menilai kinerja *supplier*. Hasil AHP menunjukkan bahwa *quality* merupakan kriteria paling prioritas dengan bobot 0,356. Dari hasil SUR, *Supplier A* menjadi *supplier* terbaik dengan skor 0,141 dan unggul pada *cost*, *flexibility*, dan *responsiveness*. *Supplier C* dengan skor -0,048, unggul pada *quality* dan *delivery*, sementara *supplier B* memiliki performa terendah dengan skor -0,088. Penelitian ini memberikan dasar objektif bagi PT XYZ dalam pengambilan keputusan kerja sama kontrak dan pengelolaan rantai pasok secara lebih efektif dan terarah.

Kata Kunci : Penilaian kinerja *supplier*, AHP, SUR

***ASSESSMENT OF SKIM MILK POWDER SUPPLIER PERFORMANCE IN
MAINTAINING SUPPLY CHAIN USING ANALYTIC HIERARCHY
PROCESS (AHP) AND STANDARDIZED UNITLESS RATING (SUR)
METHODS AT PT XYZ***

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ABSTRACT

PT XYZ is a food manufacturing company that uses skim milk powder as a primary raw material. The company has been facing inconsistent performance from its three suppliers, which has affected production operations. However, there is no structured and objective system in place to evaluate supplier performance. This study aims to identify the most influential criteria and sub-criteria, and to comprehensively assess supplier performance. The methods used are Analytic Hierarchy Process (AHP) to determine priority weights, and Standardized Unitless Rating (SUR) to evaluate supplier performance. The AHP results indicate that quality is the top priority criterion with a weight of 0.356. Based on the SUR results, Supplier A is the best-performing supplier with a score of 0.141, excelling in cost, flexibility, and responsiveness. Supplier C, with a score of -0.048, performed well in quality and delivery, while Supplier B had the lowest performance with a score of -0.088. This research provides an objective basis for PT XYZ to make informed decisions regarding contract partnerships and more effective, targeted supply chain management.

Keywords: *Supplier performance assessment, AHP, SUR*