

ANALISIS PERFORMANSI *SUPPLY CHAIN MANAGEMENT* MENGGUNAKAN METODE *SUPPLY CHAIN OPERATIONS REFERENCE* DAN *ANALITICAL HIERARCHY PROCESS* DALAM PENINGKATAN KINERJA DI ALETA LEATHER

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Abstrak

Penelitian dilakukan di Aleta Leather yang merupakan perusahaan bergerak di bidang kerajinan kulit. Permasalahan yang terjadi pada rantai pasok perusahaan dengan 16 indikator kinerja tervalidasi. Tujuan dari penelitian ini adalah mengetahui apa saja faktor penyebab dari penurunan nilai kinerja. Pengolahan data menggunakan metode SCOR dan AHP untuk metode SCOR digunakan sebagai identifikasi indikator penyebab penurunan kinerja dan AHP sebagai hasil pengukuran kinerja dari rantai pasok. Selisih pengiriman bahan baku tertinggi pada bulan April 250 ft dan tidak terjadi selisih di bulan Januari. Penurunan penjualan tertinggi di bulan Maret 25 unit dan terendah bulan Januari 43 unit. Selisih peramalan permintaan tertinggi 100 ft bulan Juli dan terendah 50 ft bulan Juni. Selisih peramalan bahan baku tertinggi bulan Agustus sebanyak 200 ft dan terendah 100 ft bulan Juli. Nilai tertinggi bahan baku yang terjadi cacat 200 ft pada bulan Juni dan terendah 100 ft bulan Agustus. Bahan baku yang mengalami *scrap* tertinggi di bulan Juni sebanyak 350 ft dan terendah bulan Juli 300 ft. Nilai tertinggi bahan baku yang mengalami *defect* saat proses produksi 200 ft bulan Juni dan terendah 110 ft bulan September. Didapatkan hasil nilai akhir rantai pasok adalah 90,11 nilai tersebut masuk ke dalam kategori *excellent*. Indikator kinerja yang mempengaruhi kinerja rantai pasok sebanyak 2, yaitu *planning cycle time* dan *material efficiency (yeild)* untuk hasil keseluruhan nilai kinerja. Dalam hasil pembobotan nilai proses terbesar pada proses *plan* 0,27 dan terendah 0,17 *source*. Untuk nilai tertinggi dari perhitungan SCOR sebesar 100 *delivery* dan *return* diikuti oleh *make* sebesar 86,61 dengan nilai terendah 80,89 pada proses *plan*.

Kata Kunci: SCOR, AHP, kinerja, *supply chain management*

**ANALYSIS OF SUPPLY CHAIN MANAGEMENT PERFORMANCE USING THE
SUPPLY CHAIN OPERATIONS REFERENCE METHOD AND ANALYTICAL
HIERARCHY PROCESS IN IMPROVING PERFORMANCE AT ALETA
LEATHER.**

ABSTRACT

The study was carried out at Aleta Leather, a company in the leather craft industry. Challenges in the company's supply chain were identified using 16 validated performance indicators. The objective of this study is to determine the factors contributing to a decrease in performance ratings. Data analysis involved the use of SCOR and AHP methods, with SCOR helping to pinpoint indicators causing performance deterioration and AHP measuring overall supply chain performance. The largest discrepancy in raw material deliveries occurred in April, with a 250 ft difference, while there was no difference in January. The highest sales decline was recorded in March at 25 units, with the lowest in January at 43 units. The variation in forecasted demand ranged from 100 ft in July to 50 ft in June. In terms of raw material forecasting, the largest difference was 200 ft in August, and the smallest was 100 ft in July. The highest amount of defective raw materials was 200 ft in June, while the lowest was 100 ft in August. The raw material with the highest scrap was 350 ft in June, and the lowest was 300 ft in July. The maximum number of defective raw materials during production was 200 ft in June, with the minimum at 110 ft in September. The final supply chain value was 90.11, placing it in the excellent category. Two key performance indicators influencing supply chain performance were identified as: planning cycle time and material efficiency (yield). In the weighting results, the largest process value was 0.27 for the plan process, and the lowest was 0.17 for the source. The highest value in the SCOR calculation is 100 delivery and return, followed by make of 86.61, with the lowest value of 80.89 in the plan process.

Keywords: SCOR, AHP, performance, supply chain management

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