

ABSTRAK

Vendor mempunyai peran penting dalam *Supply Chain Management* yang akan berdampak terhadap kinerja perusahaan. Salah satu metode yang bisa digunakan dalam pemilihan vendor adalah metode *Analytical Hierarchy Process* (AHP). Penelitian ini dilakukan di perusahaan PT Rekadaya ElektriKA yang bergerak dibidang EPC ketenaga listrikan nasional. Sampel dari penelitian ini adalah seluruh pegawai di Satuan SCM. Teknik pengambilan sample menggunakan *judgment sampling*. Dari hasil penelitian didapat kriteria yang paling berpengaruh dalam pemilihan vendor fabrikasi material tower transmisi adalah Prioritas I kriteria waktu tunggu pekerjaan (0,390), prioritas II kualitas (0,246), prioritas III harga (0,169), prioritas IV ketepatan jumlah (0,111) dan prioritas V pelayanan (0,084). Dari hasil penilaian tingkat prioritas alternatif didapat prioritas I Vendor D (0,386), prioritas II Vendor E (0,230), prioritas III Vendor C (0,195), prioritas IV Vendor B (0,105) dan prioritas V Vendor A (0,066). Berdasarkan penelitian dapat disimpulkan bahwa Vendor D merupakan vendor yang memiliki nilai keseluruhan paling tinggi.

Kata Kunci : *Pemilihan Vendor, Analytical Hierarchy Process (AHP), Supply Chain Management, software expert choice*



ABSTRACT

Vendors have an important role in Supply Chain Management which will have an impact on company performance. One method that can be used in vendor selection is the Analytical Hierarchy Process (AHP) method. This research was conducted at the company PT Rekadaya ElektriKA which is engaged in the national electric power EPC. The sample of this study were all employees in the SCM Unit. sampling technique used is judgment sampling. From the results of the research, it was found that the most influential criteria in the selection of transmission tower material fabrication vendors were the priority I is lead time (0.390), priority II is quality (0.246), priority III is price (0.169), priority IV is accuracy of quantities (0.111) and priority V is service (0.084). From the results of the assessment of alternative priority levels, priority I is Vendor D (0.386), priority II is Vendor E (0.230), priority III is Vendor C (0.195), priority IV is Vendor B (0.105) and priority V is Vendor A (0.066). Based on the results of the analysis Vendor D is the vendor that has the highest overall value.

Keywords : Vendor Selection, Analytical Hierarchy Process (AHP), Supply Chain Management, software expert choice

