

ABSTRAK

CV. Surya Ornamen adalah perusahaan yang berkompeten dalam pekerjaan atap kubah enamel, atap masjid, atap miring atau limasan, konstruksi pipa trush, dan konstruksi baja lainnya, berlokasi di daerah Lingg Dondong, Gedongombo, Semanding, Kabupaten Tuban, Jawa Timur. CV. Surya Ornamen juga berkompeten dalam pembuatan kubah cor beton yang dilapisi panel ornamen, sehingga menjadi indah dan estetik. CV. Surya Ornamen dalam pemilihan supplier untuk pengadaan bahan baku hanya berdasarkan 2 kriteria yaitu harga dan kedekatan antar hubungan. Dengan hanya berdasarkan 2 kriteria tersebut perusahaan memiliki masalah dalam supplier bahan baku yang terkadang mengalami keterlambatan dalam pengiriman bahan baku, kualitas barang tidak sesuai dengan standar perusahaan, membeli bahan baku berdasarkan harga. Sehingga perusahaan sendiri ingin menambahkan beberapa kriteria lagi dalam pemilihan supplier. Permasalahan tersebut membuat CV. Surya Ornamen mengalami kerugian biaya, tenaga dan waktu yaitu terjadinya kerusakan di produk jadi, sehingga produk yang dihasilkan seringkali dibawa pulang kembali dan melakukan produksi ulang dengan bahan baku baru, dikarenakan rusak akibat bahan baku yang kualitasnya tidak baik namun tetap digunakan atau di produksi pada kerangka kubah. Oleh karena itu Penelitian ini mengusulkan penerapan metode Analytical Network Process (ANP) untuk menentukan supplier bahan baku yang tepat. Analytical Network Process (ANP) dilakukan untuk dapat melakukan usulan pemilihan supplier yang tepat. Diketahui dari hasil kuisioner terdapat 5 kriteria dan 14 subkriteria dalam pemilihan supplier. Lima kriteria tersebut adalah kualitas, harga, pengiriman, hubungan supplier, dan service. Dari metode ANP didapatkan nilai bobot perbandingan berpasangan antar kriteria dan subkriteria serta uji konsistensi pada . Dan menghitung weighted supermatrix, unweighted supermatrix, serta limit supermatrix dimana limit supermatrix sudah menjadi akhir dari proses ANP dalam menentukan supplier yang terbaik dan tepat. Dari 4 supplier yang terpilih maka hasil penelitian menunjukkan supplier yang berada pada urutan pertama yaitu PT Karya Indah dengan nilai Raw sebesar 0,103478.

Kata Kunci : *CV. Surya Ornamen, Supplier, Analytical Network Process (ANP).*

ABSTRACT

CV. Surya Ornamen is a competent company in the work of enamel roof, mosque roof, sloping or pyramid roof, trush pipe construction, and other steel construction, located in Dondong Gedongombo area, Semanding, Tuban Regency, East Java. CV. Surya Ornamen is also competent in making concrete dome coated with ornamental panels, so that it becomes beautiful and aesthetic. CV. Surya Ornamen in the selection of suppliers for the procurement of raw materials only based on 2 criteria, namely price and closeness between relationships. Based on only those two criteria, the company has a problem in supplying raw materials, the quality of goods does not meet company standards, buying raw materials based on price. So the company itself wants to add a few more criteria in the selection of suppliers. CV. Surya Ornamen in supplier selection for the procurement of raw materials based only on two the criteria are price and proximity between relationships, with only based on these two criteria the company has a problem in supplying raw materials that sometimes experience delays in the delivery of raw material, the quality of goods is not in accordance with company standards, buying raw materials based on price. That's because CV. Surya Ornamen have not applied any research methods or tools to conduct supplier selection. These problems make CV. Surya Ornamen lost costs, energy and time which is the occurrence of damage to finished product, so the product produced are often brought back home and reproduce with new raw materials, due to damage due to raw materials whose quality is not good on the dome frame. In this study using the Analytical Network Process method to determine the right raw material supplier. The selection of appropriate raw material supplier in CV. Surya Ornamen uses the Analytical Network Process (ANP) method. Analytical Network Process (ANP) is conducted to be able to make the right supplier selection proposal. It is known from the result of the questionnaire there are 5 criteria and 14 subcriteria in the selection of supplier. The five criteria are quality, price, delivery, supplier relations, and service. From the ANP method it is obtained the pairwise band weight values between the criteria and subcriteria as well as the consistency test on. And calculate weighted supermatrix, unweighted supermatrix, and limit supermatrix where limit supermatrix have become the end of the ANP process in determining the best and right supplier. From 4 supplier elected then the results of research showing suppliers who were at first namely PT. Karya Indah with a Raw value of 0,103478

Keywords : *CV. Surya Ornamen, supplier, Analytical Network Process (ANP)*