

Analisis kriteria pemilihan jasa vendor truk pada perusahaan tambang dengan metode analytic hierarchy process (AHP) dan the technique for order preference by similarity to ideal solution (TOPSIS) = Analysis of criteria in service selection of truck vendor on mining companies with analytic hierarchy process (AHP) and the technique for order preference by similarity to ideal solution (TOPSIS)

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Abstrak

Proses pemilihan vendor merupakan hal yang sangat penting dalam supply chain management. Pada perusahaan tambang, vendor alat angkut sangat berpengaruh dalam proses distribusi hasil tambang. Tujuan dari penelitian ini adalah untuk menganalisis kriteria pemilihan jasa vendor truk di perusahaan tambang dengan metode Analytic Hierarchy Process (AHP) dan The Technique for Order Preference by Similarity to Ideal Solution (TOPSIS).

Pada penelitian ini, terdapat lima kriteria utama, yaitu Cost, Quality, Delivery, Service, dan Management yang akan ditentukan bobotnya oleh metode AHP, dan selanjutnya, pemeringkatan vendor akan dilakukan dengan metode TOPSIS. Dari penelitian, didapat bahwa kriteria Quality dan Cost adalah kriteria yang paling penting dalam menilai vendor.

.....Choosing the right vendor is an important thing in supply chain management. In mining company, truck vendor has a big influence in the distribution process.

The purpose of this research is to evaluate the criteria in truck vendor selection using analytic hierarchy process (AHP) and the technique for order preference by similarity to ideal solution (TOPSIS).

There are five main criteria in this research: cost, quality, delivery, service, and management. The weight of the criteria is calculated by using AHP, and the vendor ranking is calculated by using TOPSIS. From this research, quality and cost are the most important criteria in selecting vendor.