

## **ABSTRAK**

PT. Sandy Globalindo (SND) merupakan salah satu produsen *spare parts* di Indonesia. Banyaknya kebutuhan bahan baku yang diperlukan PT. Sandy Globalindo (SND) dalam pembuatan berbagai macam produk membuat ketergantungan kepada pemasok pun tinggi. Ada tiga pemasok yang menjadi pilihan SND yaitu sinar logam, surya logam, dan maju jaya teknik. Ketiga pemasok tersebut mempunyai kelebihan dan kekurangan masing-masing. Pada penelitian ini diharapkan SND dapat mengetahui indikator dibutuhkan beserta bobotnya dalam pemilihan pemasok

Metode yang digunakan pada penelitian ini adalah wawancara dan metode AHP (Analytical Hierarchy Process) dengan menggunakan tools berupa *Expert Choice* kemudian memberikan kuesioner kepada narasumber yang terkait secara langsung dalam pemilihan pemasok pada perusahaan SND. Ekspektasi dari jawaban yang diberikan dapat memilih pemasok terbaik yang sesuai dengan kebutuhan dari perusahaan itu sendiri.

Indikator-indikator yang dibutuhkan SND dalam memilih supplier yaitu *Quality* dengan bobot 31,5% , *Price* dengan bobot 23,6%, *On-Time Performance* dengan bobot 14,8%, *Production Facility and Capacity* dengan bobot 9,7%, *Geographical Location* dengan bobot 7%, *Pricing Terms* dengan bobot 4,5%, *Information Coordination Capability* dengan bobot 3,4%, *Quality System and Process* dengan bobot 2,3%, *Delivery Frequency* dengan bobot 1,8%, dan *Supply Flexibility* dengan bobot 1,4%. Sedangkan dari setiap pemasok memiliki masing-masing keunggulan seperti pada Surya Logam memiliki keunggulan di *Quality* dengan bobot 30,4% , *Information Coordination Capability* dengan bobot 15,9%, dan *Quality System and Process* dengan bobot 11,3%. Pada Sinar Logam memiliki keunggulan di *On-Time Performance* dengan bobot 27,7%, *Product Facility and Capacity* dengan bobot 12,1%, dan *Geographical Location* dengan bobot 7,3%. Terakhir pada Maju Jaya Teknik memiliki keunggulan pada sisi *Price* dengan bobot 29%, *Pricing Terms* dengan bobot 17,2%, *Delivery Frequency* dengan bobot 3,2%, dan *Supply Flexibility* dengan bobot 22%.

*Keywords: AHP (Analytical Hierarchy Process), Industri Otomotif, Pemilihan Supplier.*

## ***ABSTRACT***

PT. Sandy Globalindo (SND) is one of the spare part manufacturers in Indonesia. The number of raw material requirements needed by PT. Sandy Globalindo (SND) in the manufacturing of various products make the dependence on any supplier high. There are three suppliers that become SND selection namely Sinar Logam, Surya Logam, and Maju Jaya Teknik. These three suppliers have advantages and disadvantages of each. In this study, SND is expected to be able to know the indicators required along with its weight in the selection of suppliers

The method used in this study are interviews and AHP (Analytical Hierarchy Process) by using tools such as Expert Choice and then giving questionnaires to sources that are directly related to the selection of suppliers on SND company. Expectations of the answers given can choose the best supplier in accordance with the needs of the company itself.

The indicators needed by SND in choosing suppliers are Quality with a weight of 31.5%, Price with a weight of 23.6%, On-Time Performance with a weight of 14.8%, Production Facility and Capacity with a weight of 9.7%, Geographical Location with a weight of 7%, Pricing Terms with a weight of 4.5%, Information Coordination Capability with a weight of 3.4%, Quality Systems and Process with a weight of 2.3%, Delivery Frequency 1.8% by weight, and Supply Flexibility with a weight of 1, 4% while each supplier has their respective advantages such as *Surya Logam* that has an advantage in Quality by weight of 30.4%, Information Coordination Capability with a weight of 15.9%, and the Quality System and Process with a weight of 11.3%. *Sinar Logam* has an advantage in On-Time Performance with a weight of 27.7%, Product Facility and Capacity with a weight of 12.1%, and Geographical Location with a weight of 7.3%. *Maju Jaya Teknik* has the advantage on the side of Price with a weight of 29%, Pricing Terms with weights of 17.2%, Delivery Frequency 3.2% by weight, and Supply Flexibility with a weight of 22%.

*Keywords: AHP (Analytical Hierarchy Process), Automotive Industry, Supplier Selection.*