

ABSTRACT

Proposal for Designing Vendor Selection in Procurement of Goods/ Services for the Maung MV3 Operational Vehicle Category Using Fuzzy Analytical Hierarchy Process (Fuzzy AHP) at PT. Pindad Bandung

One of the efforts to deal with the high level of business competition in the automotive industry is to improve its performance and optimize all its resources. However, internal improvements are not enough, so the participation of all parties is needed, starting from vendors who provide goods/services, factories that convert components into finished products, and distribution networks that will deliver products to customers. In connection with this, PT. Pindad needs to select vendors so that the goods/services the company receives are by the price, quality, availability, delivery, and service. This study aims to obtain alternative vendors using *the Fuzzy AHP* method and compare the weights of criteria and sub-criteria in PT. Pindad. Based on the results of the study, it was obtained that the *cost* criterion (U1) is the most important while the sub-criterion of the ability to adjust products (U51) is the sub-criterion with the first order. This means that these criteria and sub-criteria are the most priority indicators in selecting vendors.

Keywords

Fuzzy Analytical Hierarchy Process, Vendors, Criteria, Sub-criteria.