Usulan perbaikan Metode Pengadaan Reverse E-Auction dengan Analytic Network Process (ANP) (Studi Kasus PT. X)

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Abstrak

Reverse e-auction is a popular electronic procurement method that recently used because it produces cost saving, process eficiency, and transparency. In reverse e-auction, buyer as the auctioneer conduct an event to compete sellers as the bidders in web based auction with price as the only negotiable attribute. Thus, reverse e-auction can create loss if not used in proper condition, because of its limited power for considering more than one attribute. Case study in PTI X reveals disadvantages of reverse eauction for some products procured Therefore, multiattribute auction as the extension of reverse eauction, which enables multiattribute negotiable dimension, is needed To know the proper attributes and their weights, Analytic Network Process (ANP) is used ANP is also useful to show interdependencies between elements. According to the ANP result, price is an independence attribute, so that it does not have any weights. Other attributes that have the biggest until the smallest weights are delivery, product quality, and management quality. Multiattribute auction proposed is English auction ruled with three attributes: price, delivery, and product quality. For having an insignificant weight, management quality is only proposed to be an early consideration for buyer. Recommendations also consist of information revelation and content of user interface.