

Abstract

E-Auction is a part of a tender process which to get the tender winner must be done a bargaining process. In the tender process, the assessment of quality should be a more important point. Assessment process is not only carried out on aspects of price, but also includes technical aspects which can be done in the pre qualification stage.

In this final project, an application has been developed for e-Auction tender BWA devices using the AHP and Dynamic-MVB methods. For obtaining the goods according to the coveted tender organizer, we need to do the balancing from each attribute that is compared to other attributes. In this final project, the balancing process uses the AHP method solves the complex problems to simplify using a simple hierarchical structure, then do the ranking process by using the Dynamic-MVB ranking method.

The output from this application form is the winner of tender along with the offered price. Based on the variations of attributes and alternatives test, in attributes variances result in the balancing and ranking process are more than the number of alternatives variation. This application can be recommended for the alternative tender process of BWA device. Based on the CSI, the users will feel satisfied with the application that have been developed.

Keywords : e-auction, AHP, Dynamic-MVB, BWA