ABSTRACT

PT. Adhi Karya (Persero) Tbk. is one of the best construction companies in Indonesia. Process to achieve that place is can’t be separated from the role of cooperation partner, including vendors and subcontractors. This is why the selection of appropriate vendors and subcontractors are very important for the logistics department in Adhi Karya. Not only based on the price election, but there are also important criterias such as the quality of goods, availability of goods, to proactive behavior that is owned by the partners. Therefore, in the process of election Adhi Karya often entrust it to the VAL (Vendor Approval List) and SAL (Subcont Approval List) which lists the best partner assessment. Problems such as frequent loss of VAL/SAL’s form and data processing that takes a long time are become the rationale for creating this web based application. In addition to the features that can provide ranked recommendations VAL/SAL using Analytical Hierarchy Process method, is expected to help resolve the problems in the logistics department of Adhi Karya more efficiently and effectively than before. This study resulted in an application with a web-based VAL/SAL assessment, also
Implementation of AHP method in the VAL/SAL’s recommendation feature that allows users in obtaining vendor or subcontractor that ranked the best in its material.

**Keywords:** AHP, Analytical, Application, Hierarchy, Logistic, Process, Subcontractor, Vendor, Web