

ABSTRACT

PT. XYZ is a telecommunications company operating throughout Indonesia. To achieve the company's goals of building a digital society in Indonesia, PT. XYZ has telecommunications construction projects to build all telecommunications infrastructure, one of which is the NODE-B project. The entire project is run by KHS Vendors Partners PT. XYZ. In this study found problems including, PT. XYZ has not had vendors ratings and does not have the same guidelines in the assessment that make the output Values in each division have inequality because the valuation model of each division is different. This study aims to make vendors assessment of NODE-B and make a guideline for vendors performance evaluation as a form of procurement control for vendors in the NODE-B project in the Bandung City Region with a total of 12 vendors. The method used in this research is AHP and TOPSIS. AHP method is used to weight the criteria and sub-criteria, the results of the weighting will be used as input for the TOPSIS method to find the best alternative, which was assessed by 3 expert judgment PT. XYZ. The results of this study produced 13 criteria and 25 subcriteria in vendors ratings. From the AHP method, the biggest weight is the Transportation, Office and Warehouse criteria (11.92%) and from the TOPSIS method produces Vendors with the best Value are Vendors (A9) with a Value of 84.95%.

Keywords: Keywords: Vendors Performance Evaluation, TOPSIS and AHP.