ABSTRACT

The increasing of competition in industry makes the company try to find a way to optimize all of the resources it has. The selection of supplier by measuring supplier performance is an important thing to do to optimize production cost and time. This research aims at determining the best supplier by selecting some supplier alternatives based on fixed criteria of supplier selection. This research takes place in PT. Giri Sekar Kedaton Gresik with raw materials such as cement, sand, iron, stone, and wood. The problem in this research is how to determine the best supplier based on some criteria. Enthropy method is used to measure the weight of each criterion and its alternative, while TOPSIS (Technique for Order Preference by Similarity to Ideal Solution) method is used for supplier ranking.