

## **ABSTRACT**

*The process of procuring raw materials at the company is a factor that affects production, one element is the supplier. Inappropriate selection of suppliers will disrupt production activities. The problem faced during the supplier selection process is generally multi-criteria this is related to the company's strategy. The company presents with many alternative suppliers with different performances and the absence of company criteria and sub-criteria that have been determined and there is still no decision support system implemented. This study aims to identify supplier criteria that suit the needs of CV Davin's corporate strategy. The results of the strategy will get criteria and sub-criteria that affect supplier selection. The selected criteria are then weighted using the ANP (Analytical Networking Process) and TOPSIS methods which are used as decision making in determining the right priorities. This ANP and TOPSIS integration method will be used as a method to create a decision support system.*

**Key word- ANP, TOPSIS, decision-making system**