

**DECISION SUPPORT SYSTEM OF
CHASSIS BUS SELECTION USING
WEIGHTED PRODUCT (WP) METHOD**

ABSTRACT

Bus vehicles are one type of transportation that is often chosen by some people to travel. In determining the choice of bus chassis, prospective buyers usually find it difficult to select. Company owners or entrepreneurs in the tourism sector are usually difficult to make a choice because of the many types of bus chassis available on the market. One way to overcome this problem is to have a method that can provide recommendations as consideration for making the right decision. A decision support system is made to provide recommendations to prospective bus chassis buyers according to the desired criteria. These criteria are price, cc capacity, power, torque, and tank. The method used in this system is the Weighted Product (WP) method. This method can help for decision making based on the criteria used. Hence, the results of the recommendation system made can display the results of ranked data so that users know which bus chassis has the highest-ranking results based on the specified weight. The results of the recommendations made by the experts are the same as the recommendations made by the system. There is only one test with different results.

Keywords: Weighted Product (WP), decision support system, bus chassis.