ABSTRACT

Ibnu Darmawan (11160849), *Decision Support System for the Selection of Computer Brands for the Warnet Service Providers with Analytical Hierarchy Process (AHP) Method*

The growth of the warnet service providers at this time are very rapidly, which is due to the increase in computer use by the community. From the observation, the warnet service providers are often ignore the quality and specification of the computer they provide.

This research was made to perform the ideal computer brand testing for the warnet service providers by using Analytical Hierarchy Process (AHP). This research took 4 (four) samples of the most in demands computer brands by the current warnet service providers, namely Asus, Acer, Lenovo, and Dell. And followed by 5 (five) criteria, namely Price, RAM Capacity, Hard Drive Capacity, VGA Capacity, and Processor. The sample used in this research is cafe service providers, amounted 10 respondents. The author uses Expert Choice 11 program as a tool in data processing.

The final result of this research is Asus 2,43%, followed by Lenovo 1,02%, Acer 0,97%, and Dell 0,49%.

Keywords: Decision Support System (DSS), Analytical Hierarchy Process (AHP)