ABSTRACT

The Final Project is a "Decision Support System in Personal Computer Assembling (case study computer store at Bandung City) featuring shortest path for public transportation" which implemented in a web based application and would be known as Bandung Hardware Guide.

Bandung Hardware Guide is a n application that give computer reference to visitor who want buy or comparing price of hardware in computer store at Bandung City. Hopefully Bandung Hardware Guide could help a customer in deciding Optimal Computer specification comparing to their fund. After that, this application would give the information about shortest route of public transportation to reach the store.

The main goal in constructing this Bandung Hardware Guide Application is a creation of Computer Hardware information center for Bandung Region. Hence, this application is a promotion media for computer store which joined in Bandung Hardware Guide.

Algorithm used in deciding shortest path is Shortest Path Algorithm. In Deciding Personal Computer Specification comparing to buyer fund will use Analytical Hierarchy Process Method. In planning this application would use waterfall method and implemented using PHP as a programming language and mySQL as a databases.

Keyword : *php, mysql, buyer guide, hardware reference, waterfall, web site, ahp, Shortest Path*