

ABSTRAC

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Judul : Website Based Bus Ticket Booking System

Many bus ticket reservations are usually done in a conventional way, which is considered not optimal because consumers need to go to the ticket window at the company office, where sometimes errors in the calculation of sales and reporting occur. And usually a lot of miscalculation is found in payments and reports and spend too much time. Besides that there are several buses with the same purpose with varying prices and facilities that make passengers sometimes difficult to determine the type and type of bus to be boarded. Therefore an application is needed that can give recommendations to the community to choose the bus they will use when traveling. The system built using the CART (Classification And Regression Trees) algorithm Web-based. CART algorithm is one of the data exploration techniques, namely decision tree technique, aims to get a group of accurate data as a characteristic of a classification. Data classification is carried out into several types of data parameters, namely distance, ticket price and schedule. The trial results show that the system built can provide the right bus recommendations to the user before booking a ticket so that the user can find out the availability of the bus, bus facilities, bus departure times, and the price of the bus ticket.

Key words:

Web, Bus tickets,