ABSTRAC

IMPLEMENTASI ALGORITMA FLOYD-WARSHALL UNTUK MENENTUKAN JARAK TERDEKAT PADA RUTE TRANS MUSI PALEMBANG

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Trans musi is public transportation in the city of Palembang. Along the corridor there are shelters dismissal. The more stops dismissal of the passengers or potential passengers would find it difficult to determine the shortest distance between stops. Thus optimimalisasi needed to help solve problems in the search for the closest distance.

Floyd-warshall algorithm is an algorithm that can calculate all possible routes to be traversed and then search for the optimum route by comparing each pair of these. By using this algorithm searches the nearest distance between bus stops can be found. The methodology used in this study is the use waterfall. Tools used are PHP, CSS, Javascript and SQL Server 2008 as its database.

The results of software development using the floyd-warshall algorithm have managed to find a solution regarding the nearest stop on the trans musi. The resulting system is a web-based mobile so more effectively used by the user. Thus with this system the passenger or passengers musi trans can easily search for the nearest route