

ABSTRACT

City transport is one of transport that is often encountered in the city of Bandung . But this time , people tend to prefer private vehicles or other transportation means rather than using public transportation . One reason is the public transportation system that is still considered unfavorable in terms of distance and time efficiency . For these problems , needs to be optimized urban transportation service , in this case using public transportation route Cijerak Bandung - Simple . Route optimization is performed , is expected to generate the optimal route . To get the optimal route , a process algorithm to determine the best route to be passed to obtain efficiency . In this case , the algorithm digunakan is Ant Colony System (ACS) with the Travelling Salesman Problem (TSP) . By using the algorithm obtained a more optimal than the existing route or routes created by the Department of Transportation Bandung .

Keywords: Ant Colony System, Travelling Salesman Problem, graphs, transport city route