ABSTRACT

In this research determination of the optimal route Dago-ST Hall in Bandung. there are many factors that could determinating some route like load factor,genre,jobs and ages to get some result in every path. Than those result used to to be processed with analyticl hierarchy process until every path have different values. After that there gonna be optimilization with every path that started from departure until arrival using tabu search algorithm. Tabu search algorithm is a heuristic method to find optimal route.

The result from this experiment, it found that the most optimal route is the new route beside old route from Dago- St Hall bandung. That route is Ir h. djuanda street, sulanjana street, taman sari street, sawunggaling street, ranggagading street, taman sari street, wastukencana street, pajajaran street, cicendo street, kebon kawung street, pasirkaliki sreet, gardujati street, kebon jati and east station street. That new route it's founded from passenger's is 105, drivers salary 421.748 Rupiah and distance 1 hour 09 minutes from route dago-st hall bandung.

Key Word: *Analytical Hierarchy Process, Tabu Search, Optimalized*