Abstract

Transportation is an activity or process of moving people or goods. These activities would generate travel route from origin to destination will be reached. In fulfilling its removal is necessary to have a tool that can meet the requirements, will be the movement of people or goods. In planning the existing line Events dominated by green bus, bison, and microbus. Due in one lane dominated by three types of transportation arises a complexity while raising and lowering the passenger. The third means of transportation scramble in the above, and ultimately impede the course of the traffic around the area of pick-up or drop in passengers.

With the above background, How The bus transport operations in the early years of the plan is viewed from, imposition, Frequency and Headway corridor Surabaya - Sidoarjo (via Jl. Ahmad Yani) and, how the bus transport operations after forcest for 5 and 10 year plan views of the future, Charging, Frequency and Headway.

To determine the purpose of the above used passenger demand analysis of survey data were processed with the calibration field occupancy passenger demand forecasting analysis by means Furness model uses Transport Planning and Modeling Ofyar, Z Tamin. Analysis using the vehicle capacity of Urban Public
Transportation System and Technology. Vuchic, Vukan R, frequency, and the headway that happen.

Operational planning calculation results beginning in 2014 and after forecast for 5, 10-year plan ahead. With a route length of 30 km, it takes 26 bus standard with a capacity of 65 (sixty-five) passengers, headway 4 minutes, and the frequency of 16.

Keywords: Transport Planning, Corridor Surabaya - Sidoarjo, Moda.