

ABSTRACT

PUBLIC TRANSPORTATION PLANNING SERVICE TANJUNG KARANG STATION – RADIN INTEN II AIRPORT LAMPUNG SELATAN

by

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Radin Inten II Airport South Lampung is the only domestic airport in Lampung. The airport has an inadequate parking area, this is caused because a lot of passengers who use private vehicles on the way to or leaving the airport. The purpose of this study was to plan a mass public transportation modes based on the results of a survey conducted in Radin Inten II Airport South Lampung in order to reduce the number of private vehicle use.

This study consisted of two phases, namely collecting primary datas required, such as passenger characteristics, choice of transport modes, flight datas, the number of passengers on certain period of time, distance and travel time from the Tanjung Karang Station to Radin Inten II South Lampung Airport. Then analyze it with some methods that are used as conclusion parameters. This study uses several parameters used as reference for the planned mode of transportation planning, i.e. the percentage of the characteristics and mode choice questionnaire results, multinomial logistic, simple linear regression, and performance planning mode of transportation of the plan.

From the analysis of the datas percentage of the number of passengers with journey from Bandar Lampung origin who have the willingness to switch to the planned mode of transportation amounted to 96.67% or 72.75% of total passenger aircraft. The approximate number of passengers who will use public transport development plan based on the number of passengers 5 years ie in 2019 amounted to 3,057 people per day. Planned modes of transportation were planned start the movement from 05.00 am to 07.00 pm with a departure time between bus vulnerable for 15 minutes. As for the trip Radin Inten II South Lampung - Tanjung Karang Station planned start movement from 07.00 am to 09.00 pm with a departure time of 15 minutes vulnerable. Based on the results of the processing of survey data obtained estimates of the number of passengers in 2019 as many as 27 passengers per trip. Therefore it is required the type of transport that meet these criteria are buses with

a capacity of 35 passengers or so-called medium bus. Performance planning public transportation based on the results of the questionnaire survey data processing and some suggestions of passenger aircraft with the results of the service frequency of 4 veh / hour, 15-minute headway time, load factor of 77.14%, cycle time of 102 minutes, the vehicle needs a number 12 vehicles, vehicle mileage per day amounted to 282 km, traveling speed of not more than 100 km / hour, mileage per trip of 23.5 km.

Keywords : Radin Inten II Airport Lampung Selatan, Tanjung Karang Station, transportation planning, public transportation, Performance Planning Public Transportation