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Oebobo Station Performance on the Pattern of Public Transport Movement in Kupang City

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ABSTRACT

The development of Kupang City can be observed from the increase of activity or movement of society, so that city needs the existence of a system of transportation service and satisfied traffic. One of the facilities of urban transportation is a station that serves as a node point, can be considered as a tool to process loading and discharge passengers. Station has the complexity of the problem and affects the movement of public transport. The lack of public transportation operating at Oebobo Station is one of the phenomena in Kupang City. This research was conducted to examine the performance of the station to the movement pattern by reviewed at the location effectiveness, operational service, and transportation movement towards the pattern of public transportation movement in Kupang City. The purpose of research to see the effect of station performance on the pattern of movement and the influence of spatial structure on movement patterns by using quantitative approach. The data obtained through observation, survey and documentation are analyzed by using path analysis, and then tested simultaneously and partially. The results show that the performance of the station in supporting the movement of Kupang City is a sufficient. Location effectiveness, service operation, and transportation movement have significant effect simultaneously to movement pattern in Kupang City. Partially shows that the movement of transportation (destination, transportation route, and passenger safety) and the insufficiency of public transportation operating at Oebobo Station have an impact on the reduction of station performance grade.

Keywords: Station performance, public transport, the pattern of movement, path analysis, operational services

1. INTRODUCTION

The development of the city can be seen from the increased activity or movement of people in the region with various supporting aspects directly related to the existing facilities, in order to meet the needs of the people in the city. Transportation is one aspect that supports the development of a city. Thus the development of the city requires the existence of a system of transportation and adequate traffic.

Station function as a place to raise and lower people or goods and arrange the arrival

and departure of public transport is a form of transport network node. To support population mobility and traffic order, the Station must be able to work optimally and efficiently. Station also serves as a means of supporting the increase in local revenue from the sector of restricts. Station serves as a place of moving passengers or goods of one type of transport to other types of transportation mode. Based on these demands then a station must be able to accommodate, organize and control and serve