

INTERNATIONAL SYMPOSIUM PAPER

**EVALUATION OF PUBLIC TRANSPORT  
PERFORMANCE IN THE JOMBANG DISTRICT**

PRESENTED AT :

**The 16<sup>th</sup> International Symposium of  
Indonesian Inter University Transportation Studies Forum**

**THEME : "INFRASTRUCTURE DEVELOPMENT FOR  
ENHANCING SPATIAL CAPACITY"**

Muhammadiyah University of Surakarta, November 1<sup>st</sup> – 3<sup>rd</sup>, 2013

BY :

**Nunung Nuring Hayati  
Akhmad Hasanuddin  
Rendy Muhammad Mubarak**

ORGANIZER :



**MUHAMMADIYAH UNIVERSITY OF SURAKARTA  
AND INDONESIAN INTER UNIVERSITY  
TRANSPORTATION STUDIES FORUM**



October 10, 2013

Reff.: 010/UM.ILM.FSTPT/X/2013

NĒĒP æ æĒĒP æ æ ĘĒĒ ĄĒĒ ĄĒĒ \  
Civil Engineering Department, Faculty of Engineering  
Jember University  
Jl. Kalimantan 37 Jember  
Jember

**Re: Paper Acceptance for the 16<sup>th</sup> FSTPT International Symposium**

Dear Sir/Madam,

Please kindly let me inform you that the following paper:

**EVALUATION OF PUBLIC TRANSPORT PERFORMANCE IN THE JOMBANG DISTRICT**

- 1) Nunung Nuring Hayati (Civil Engineering Department, Faculty of Engineering, Jember University)
- 2) Akhmad Hasanuddin (Civil Engineering Department, Faculty of Engineering, Jember University)
- 3) Rendy Muhammad Mubarak (Civil Engineering Department, Faculty of Engineering, Jember University)

is accepted for presentation in the 16<sup>th</sup> FSTPT International Symposium to be held in Muhammadiyah University of Surakarta, Surakarta Indonesia on November 1<sup>st</sup>, 2013. Furthermore, presentation schedule will be announced in [www.fstpt.or.id](http://www.fstpt.or.id) and [www.fstpt-icid.com](http://www.fstpt-icid.com) on October 24, 2013.

Authors are to immediately register their attendance by filling in the registration form as provided in the Local Committee website ([www.fstpt-icid.com](http://www.fstpt-icid.com)) and submit the registration form through email address: [icid.ums@gmail.com](mailto:icid.ums@gmail.com).

Thank you for your kind attention and looking forward to meeting you in Surakarta.

Yours Faithfully,



**FSTPT**

Sony Sulaksono Wibowo, Ph.D  
Chairman



# CERTIFICATE

*This is to certify that:*

**NUNUNG NURING HAYATI**

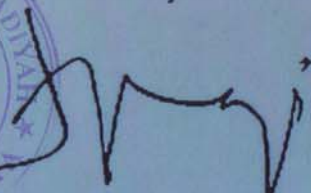
PARTICIPATED THE 16<sup>th</sup> INTERNATIONAL SYMPOSIUM OF  
INDONESIAN INTER UNIVERSITY TRANSPORTATION STUDIES FORUM  
“INFRASTRUCTURE DEVELOPMENT FOR ENHANCING SPATIAL CAPACITY”

November 1<sup>st</sup> - 3<sup>rd</sup>, 2013

as **Presenter**

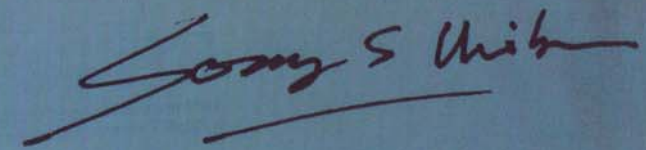
Organized by :  
Magister Teknik Sipil and FSTPT  
Muhammadiyah University of Surakarta

Rector  
Universitas Muhammadiyah Surakarta



Prof. Dr. Bambang Setiaji

Chairman  
Forum Studi Transportasi antar  
Perguruan Tinggi (FSTPT)



Sony S. Wibowo, Ph.D

# EVALUATION OF PUBLIC TRANSPORT PERFORMANCE IN THE JOMBANG DISTRICT

**Nunung Nuring Hayati**

Lecture on Civil Engineering Dept.  
Faculty of Engineering  
Jember University  
Jl. Kalimantan 37 Jember  
[nunung.nuring@yahoo.co.id](mailto:nunung.nuring@yahoo.co.id)

**Akhmad Hasanuddin**

Lecture on Civil Engineering Dept.  
Faculty of Engineering  
Jember University  
Jl. Kalimantan 37 Jember  
[damha@gmail.com](mailto:damha@gmail.com)

**Rendy Muhammad Mubarak**

Student on Civil Engineering Dept.  
Faculty of Engineering  
Jember University  
Jl. Kalimantan 37 Jember

## ABSTRACT

Public transports in Jombang there are 24 routes that serve intra regency, and in this study the analysis carried out on 6 routes. The public transport to serve the north, south, east and west route. The purpose of this study is to investigate the performance of public transport in Jombang. Methods for evaluating the performance of public transport are by analyzing the performance parameters of public transport. Nine parameter of public transport performance can be analyzed in this study. The calculation and analysis of the static and dynamic survey data shows three routes (A, C, and L) performance is considered bad. Three other routes (B, G and K), its performance can be considered fair.

*Key words: public transportation performance, route, static and dynamic survey.*

## INTRODUCTION

Public transport in Jombang available with a variety of routes. For transportation intra-regency, there is 24 route which reach out to all districts. This is compounded by the presence of intercity transportation route that connects Jombang with surrounding regency, namely to: Pare, Kandangan, Babat, Kertosono, and Mojokerto.

World Bank and Directorate General of Land Transportation issued a standard that must be met for the performance of public transport. The standards include the operating performance indicators and the care quality indicator. For that we need to investigate the performance of public transport in Jombang. Survey research conducted by dynamic and static surveys. Further analysis of the performance parameters, so it can be seen how the public transport performance in serving the community in the district handsome. This is done to ensure the efficient use of time, facilities, and infrastructure.

## LITERATURE REVIEW

### Rural transport

In the organization of the Technical Guidelines for the Implementation of Public Transport in Urban Areas and Regular Fixed Route, explained that rural transport is transport from one place to another that is not included in the route of the city, and is located in the capital of the region by using the public bus car or public minibus bound trajectory.

### Vehicle Capacity

Capacity of the vehicle is the passenger capacity in any public transportation vehicles. In determining the capacity of a public transport to consider the vehicle capacity standard, that is: Vuchic (1981), Directorate General of Land Transportation, and KIR test.