

**FARE ANALYSIS OF ONLINE TRANSPORT BASED ON VEHICLE
OPERATIONAL COSTS
(CASE STUDY OF SURAKARTA CITY)**

Final Project

Submitted in partial fulfillment of the requirements for Bachelor of Engineering in
Civil Engineering at Universitas Muhammadiyah Surakarta



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2018**

DECLARATION OF AUTHORSHIP

APPROVAL SHEET

**FARE ANALYSIS OF ONLINE TRANSPORT BASED ON VEHICLE
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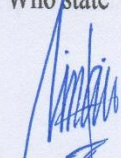
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Surakarta, November 2018

Who state


Lina Novinurwati

MOTTO

And establish prayer, give zakat, and ta'at to the apostle, so that you will be given mercy.

(QS, An-Nur)

And do good, for truly Allah likes those who do good.

(QS, Al-Baqarah 195)

And whoever does good as heavy as zarrah, surely he will see (reply) it.

(QS. Az-Zalzalah: 7)

Whoever goes out to seek knowledge is in the way of Allah.

(HR. Turmudzi)

Avoid ye friends with stupid people, because he meant any harm. Avoid ye friends with a stingy person, because he will ignore you when you need it. Avoid ye friend with people who love to sinners, because he will sell you to the female camel. Avoid ye friend with people who like to lie because he would keep something close and something much closer.

(Ali Ibn Abu Talib)

who believe, make patience and pray as your helper, verily Allah is with those who are patient.

(QS, Al-Baqarah: 153)

don't you give up! Believe, pray, try.

Because there is ALLAH S.W.T

(Lina Novinurwati)

PREFACE

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Assalamualai'kum Warahmatullah Wabarakatu

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Finally the compilers realized that the results of this Final Project writing were far from perfect. But with the completion of this Final Project, hopefully it will be useful for the compilers themselves and for the readers.

Wassalamualai'kum Warahmatullah Wabarukatu

Surakarta, 2018

Author

PROVIDING

Alhamdulillah, accompanied by the presence of Allah SWT who has blessed, I present this small work to you

- Dear Father and Mother for all the prayers, love, struggle and sacrifices that have been given.
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LIST OF CONTRACTION

BBM	:	<i>Bahan Bakar Minyak</i> (Fuel) (liter)
BOK	:	<i>Biaya Operasional Kendaraan</i> (Operational Cost of the Train) (IDR)
V	:	Frequency of GO-Ride / GO-Car service
Tf	:	Transfer
Km	:	Kilometer
Lt	:	Liter
AKAP	:	<i>Bus antar kota antar provinsi</i>
KIR	:	<i>Pengujian kendaraan bermotor</i> (testing of motorized vehicles)
ATP	:	Ability To Pay
WTP	:	Willingness to Pay
PT	:	<i>Perseroan Terbatas</i>

ATTACHMENT LIST

- | | |
|----------------|--|
| Attachment I | DECREE OF THE MINISTER OF COMMUNICATION
Number : KM. 89 of 2002 |
| Attachment II | Questionnaire Form |
| Attachment III | Research documentation |
| Attachment IV | Price List |

FARE FAIRNESS ANALYSIS OF ONLINE TRANSPORT BASED ON VEHICLE OPERATIONAL COSTS (CASE STUDY OF SURAKARTA CITY)

Abstract

Transportation is a very important medium in the life of the Indonesian people, given the high demand of the Indonesian people for transportation. At present, transportation media in Indonesia is being intensified with the emergence of application-based transportation or commonly called online transportation. This study aims to determine the size of online transportation rates based on BOK in Surakarta and the comparison between online transportation rates based on BOK and fare in the field.

The data used in this study is questionnaire data that is directly from the online transport driver PT. GO-JEK in Surakarta. The number of respondents as many as 40 samples consisted of 30 motorcycles and 10 cars. The data needed for this study is secondary data on online transportation vehicles. Secondary data are general data on online transport vehicles, operational cost components, rates determined by PT-GO-Jek and other data which are lists of fuel prices, vehicle washing rates and services from several official and conventional workshops in Surakarta. Size Data analysis is operational costs, direct and indirect costs, operating costs for vehicles.

The results of the analysis show that the determined fare is feasible, because the fare has met the operational costs of the vehicle. GO-Jek and GO-Car rates in the field are smaller than the rates based on vehicle operating costs. Based on the results of the analysis obtained *GO-Ride* and *GO-Food* rates based on the BOK of Rp. 6,327, - while GO-Car is Rp. 19,166, - The rates that apply in the GO-Ride and GO-Food fields are Rp. 4,000, - Rp. 9.000, -. while GO-Car is Rp. 12,000, - GO-Ride and GO-Car fare based on BOK are higher than rates in the field, due to all operational costs being borne in full by the owner of the online vehicle. *GO-Food* fare in the field are higher due to the implementation of a revenue sharing system with culinary entrepreneurs who register their businesses and become *Go-Food* partners. The revenue sharing system or revenue sharing is charged to business owners with a percentage of 20%.

Keywords: *Vehicle Operational Costs, Fare, Online Transportation.*

**ANALISIS TARIF ANGKUTAN ONLINE BERDASARKAN BIAYA
OPERASIONAL KENDARAAN
(STUDI KASUS KOTA SURAKARTA)**

Abstrak

Transportasi adalah media yang sangat penting dalam kehidupan masyarakat Indonesia, mengingat tingginya permintaan masyarakat Indonesia akan transportasi. Saat ini, media transportasi di Indonesia sedang gencar dengan munculnya transportasi berbasis aplikasi atau yang biasa disebut transportasi online. Penelitian ini bertujuan untuk mengetahui besarnya tarif transportasi berbasis online tentang BOK di Surakarta dan perbandingan antara tarif transportasi online berdasarkan BOK dan tarif di lapangan.

Data yang digunakan dalam penelitian ini adalah data kuesioner yang langsung dari sopir angkutan online PT. GO-JEK di Surakarta. Jumlah responden sebanyak 40 sampel terdiri dari 30 sepeda motor dan 10 mobil. Data yang dibutuhkan untuk penelitian ini adalah data sekunder pada kendaraan transportasi online. Data sekunder adalah data umum tentang kendaraan transportasi online, komponen biaya operasional, tarif yang ditentukan oleh PT-GO-Jek dan data lain yang berisi daftar harga bahan bakar, tarif cuci kendaraan dan layanan dari beberapa bengkel resmi dan konvensional di Surakarta. Analisis Ukuran Data adalah biaya operasional, biaya langsung dan tidak langsung, biaya operasi untuk kendaraan.

Hasil analisis menunjukkan bahwa ongkos yang ditentukan layak, karena ongkos telah memenuhi biaya operasional kendaraan. Tarif GO-Jek dan GO-Car di lapangan lebih kecil dari tarif berdasarkan biaya operasi kendaraan. Berdasarkan hasil analisis, tarif GO-Ride dan GO-Food berdasarkan BOK Rp. 6.327, - sedangkan GO-Car adalah Rp. 19.166, - Tarif yang berlaku di bidang GO-Ride dan GO-Food adalah Rp. 4.000, - Rp. 9.000, -. Sedangkan GO-Car adalah Rp. 12.000, - Tarif GO-Ride dan GO-Car berdasarkan BOK lebih tinggi daripada tarif di lapangan, karena semua biaya operasional ditanggung penuh oleh pemilik kendaraan online. Tarif GO-Food di lapangan lebih tinggi karena penerapan sistem pembagian pendapatan dengan pengusaha kuliner yang mendaftarkan bisnis mereka dan menjadi mitra Go-Food. Sistem bagi hasil atau bagi hasil dibebankan kepada pemilik bisnis dengan persentase 20%.

Kata Kunci : *Biaya Operasional Kendaraan, Tarif, Angkutan online.*