

## INTISARI

Angkutan umum dinilai menjadi salah satu solusi untuk mengatasi masalah sistem transportasi yang semakin padat dan berkembang. Untuk itu perlu adanya suatu sistem transportasi publik yang efektif dan efisien untuk mendukung hal tersebut. Beragamnya pengguna angkutan umum bus trans jogja menjadi landasan penulis untuk melakukan penelitian terhadap jumlah penumpang, jenis kedatangan, jenis kelamin, aktifitas dan waktu tunggu penumpang bus trans jogja.

Penelitian ini meninjau karakteristik dan waktu tunggu penumpang yang dilakukan di 24 halte utama bus Trans Jogja. Teknik pengumpulan data diperoleh melalui data primer dengan pengamatan langsung di lapangan dan data sekunder melalui studi-studi terdahulu dan beberapa situs dinas perhubungan setempat. Selanjutnya akan ditentukan jenis distribusi yang sesuai dengan waktu tunggu tersebut.

Hasil analisis diperoleh dari jumlah data sebanyak 382 orang, dari jenis kedatangan penumpang sebanyak 94% berjalan kaki menuju halte dan 6% diantar sepeda motor, dari jenis kelamin penumpang sebanyak 44% laki-laki dan 56% perempuan, dari jenis aktifitas sebanyak 69% duduk dan 31% berdiri. Hasil penelitian berdasarkan waktu tunggu penumpang, diperoleh waktu tunggu rerata sebesar 9,19 menit dan mendekati jenis distribusi eksponensial. Waktu tunggu paling cepat terdapat pada trayek 1A dengan waktu tunggu rerata 6,58 menit dan waktu tunggu paling lama terdapat pada trayek 11 dengan waktu tunggu rerata 18,5 menit.

Kata kunci : Bus Trans Jogja, Waktu Tunggu, Distribusi, Eksponensial

## ABSTRACT

Public transportation is considered to be one of the solutions to overcome the problem of an increasingly crowded and growing transportation system. For this reason, it is necessary to have an effective and efficient public transportation system to support this. The diversity of Trans Jogja bus public transport users is the basic for the authors to conduct research on the number of passengers, type of arrivals, gender, activities and waiting times of Trans Jogja bus passengers.

The study reviews the characteristics and waiting times of passenger carried, out at the 24 main bus stops of the Trans jogja bus. Data collection techniques were obtained through primary data with direct observation in the field and secondary data through previous studies and several sites of local transportation agencies. Furthermore, the type of distribution will be determined according to the waiting time.

For results of the analysis obtained from the total data of 382 people, of the types of arrivals of passenger as many as 94% walked to the bus stop and 6% were delivered by motorbikes, of the sex of passengers as many as 44% men and 56% women, of the types of activities 69% sat and 31% stood up. The results of the study were based on passenger waiting time, obtained an average waiting time of 9,19 minutes and approached the type of exponential distribution. The fastest waiting time is found on route 1A with an average waiting time of 6,58 minutes and the longest waiting time is on route 11 with an average waiting time of 18,5 minutes.

Keywords: Trans Jogja Bus, Waiting Time, Distribution, Exponential