

Undergraduate Thesis  
Civil Engineering Program  
Even Semester 2018/2019

**ANALYSIS CHARACTERISTICS OF PEDESTRIAN AND LEVEL OF  
PEDESTRIAN FACILITY SERVICES  
(IN JL. IMAM BONJOL NAGOYA)**

NPM : 1411013  
AFIF JAZIMIN

Abstract

Pedestrians are people who use existing facilities in traffic, namely sidewalks and zebra crossings. movement of pedestrians past the intersection based on quite a lot of observational data. Batam is a city where the population always increases according to BPS data in 2017 the population of Batam is 1,376,009 people from the data obtained by Batam including densely populated areas. and in this study the authors chose the Imam Bonjol street because it is a shopping center and has facilities that meet the standard road facilities

Obtained from the results of the study that for pedestrian flow in the West is 324 org/m/hr on Saturday where there are many people visiting Nagoya Mall, and the start time of weekends for office workers. And for the east has a maximum current of 424 org/M/hour and the clock is at the same time and day is on Saturday afternoon at 17.00 – 18.00 WIB. Average Speed-The average time of the pedestrians to the West is on Saturday noon at 12.00-13.00 with a time of 69.15 m/min. While for the east is on Saturday morning at 06.30 – 7.30 with a mean time – average of 70.7 m/min. The average speed of the largest space in the east at Saturday morning at 06.30 – 7.30 for 70.6 m/min, while for the West was on Saturday afternoon at 12.00-13.00 at 69.1 m/min. Then the pedestrian density results obtained in the amount of 0.05764 org / m<sup>2</sup> for the east direction, and in the west direction obtained with a value of 0.03580 org / m<sup>2</sup> at the same time.

Keyword: *ideal, facilities, road users, Nagoya Hill, Batam*