

CHAPTER I

INTRODUCTION

1.1 **Background**

Batam is one of the largest cities in the Riau Islands Province, Indonesia, which is often visited by domestic and international tourists. As a city located on the border of Indonesia, Batam is a stopover that is very often visited by tourists who want to travel into the country or abroad. Therefore, Batam is currently growing rapidly to attract visitors from all over the world, so that it can be used as a vacation destination. The growing number of tourists in Batam will affect the availability of facilities to serve all activities, one of them is a pedestrian facility.

As time goes by the population in Batam city is increasing, lots of people use sidewalk as they main road for walk through the city, many store built around the Batam city. The development of construction in Batam is growing rapidly especially roads, government built many new roads but they are not concerning the sidewalk in Sungai Jodoh area yet.

As we can see the level of service of sidewalk in Sungai Jodoh not in accordance with the standard sidewalk. Sungai Jodoh is the main market for people who wants to buy food stuffs and other things and also the shopping center in Sungai Jodoh area, that area is very crowded and not well manage so it cause traffic for vehicles who want to pass Sungai Jodoh road.

Based on this background, this study focused on factors that affect sidewalk performance. The title in this study is " Performance Analysis and requirements of sidewalks lane in Sungai Jodoh" with research limitation in Batam Islands.

1.2 Problem of Research

Sidewalks are pedestrian facilities in every city, sidewalks are built to be under the standard sizes determined by the public works department, but sidewalks in Batam city are different from sidewalks in other cities, the design is made wider because the Batam city government predicts that it is 20 years old. In the future, the community will increase, it is because the number of tourists from Singapore and Malaysia increases every year, the city of Batam plans to create a culture of walking, the reason is to determine the observation location on the Jodoh River because the trading center is located in the Jodoh area. Therefore, research was conducted on the current pedestrian flow.

Based on the background, the outline of the problem in this study are:

1. Why the sidewalks at Sungai Jodoh are too wide and do not comply with the standards of public works regulations.
2. How is the current level of service on sidewalks lane at Sungai Jodoh nowadays.
3. How to analyze the performance of infrastructure on sidewalks lane according to regulations.

1.3 Scope of Research

1. The scope of this research is carry out on pedestrian facility on Sungai Jodoh.
2. There are no planning of sidewalk structures, pedestrian bridges and drainage channels.

1.4 Objective of Research

The purpose of this study are:

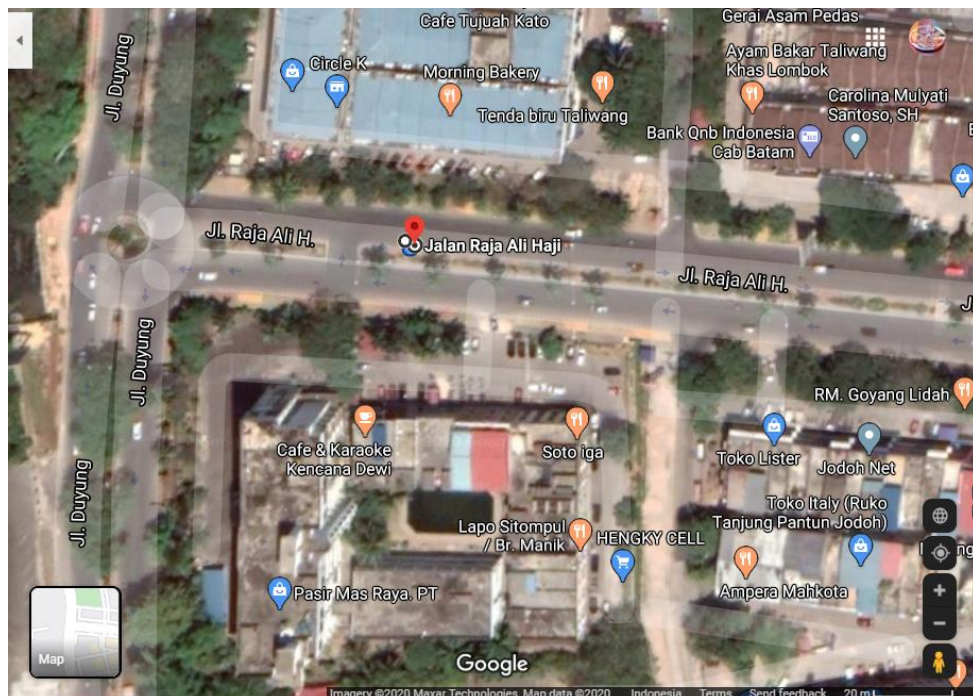
1. Knowing the current level of service on sidewalks lane at Sungai Jodoh nowadays.
2. Knowing the performance of infrastructure on sidewalks lane according to regulations.

1.5 Benefit of Research

There are good benefits for the writer in writing this study, those are providing the knowledge about analysis performance and requirements of sidewalks lane and also as evaluations to improve infrastructure on pedestrian facilities.

1.6 Project Location

The location of this study is located at Jl. Raja Ali H., Batam



Source: Google Maps, 2019

Figure 1.1 Project Location at Jl. Raja Ali H., Batam