

CHAPTER I

INTRODUCTION

1.1 Background of Final Report

A city is the centre where most activities take place such as, service activities, production, distribution of goods, and become the entrance or transport node for the around area. In some activities, an urban transportation system is needed that can facilitate the people's movements. Besides, it can also make the goods flow smoother to the Singosari region.

Singosari is an area that has been quite rapid in terms of the social life, culture, economy, and tourism development. Therefore, these developments must be balanced with the availability of adequate transportation facilities and infrastructure along with good transportation arrangements to avoid problems such as traffic jam.

However, the development of Singosari city has not been followed by an adequate transportation arrangement system. In the past, there were certain times where the activity that started in the morning and ended in the afternoon. That was the time when traffic crowds occurred. Currently, almost 24 hours from morning to night the traffic crowds occur in Singosari. This is due to simultaneous travel activities, road shoulder problems used for parking cars, and food vendors keep selling goods on the roadside. These cause bad impacts to the traffic system on Singosari road.

The impacts caused by the traffic jam on Singosari road are: (1) Losing travel time, due to the reduced speed of travel, (2) Energy wasting, making fuel consumption to be wasteful, (3) Brake and wheel's weathering, (4) An increase in air pollution, (5) Making the road users depressed, (6) The emergency vehicles such as ambulances and fire extinguisher become disturbed in doing the task, and (6) The economic cycles are hampered.

A local citizen said, "It is true there are alternative routes from Surabaya to Malang. The alternative routes are Ardimulyo street, Purwoasri street to Malang National Institute of Technology 2 in Karanglo. But, those alternative routes are not suitable for all vehicles since they are only a small routes. Besides, there are road damages in that route like eroded road structures."

Because of the problems above, the writer is interested to entitle this final report: **PROPOSED SOLUTION TO REDUCE TRAFFIC JAM IN SINGOSARI ROAD** that might resolve the traffic jam problem in Singosari road.

1.2 Objective of Final Report

The objective of this final report is to provide a proposed solution for traffic management to reduce the traffic jam in Surabaya-Malang route, especially in Singosari road.

1.3 Significances of Final Report

This final report is expected to be a reference of solution for the traffic jam problem in Singosari road in order to make all people convenient to utilize Singosari road. It is also expected that the government supports this solution and makes a policy about road rules to ensure the safety and the convenience of road users.