

CHAPTER I

INTRODUCTION

1.1 Background

In this modern era, the TSP problem is often used as an ingredient to solve the problem. Find the shortest distance from the distance between two cities given the importance of time efficiency and cost of transportation in the modern era, due to inefficient usage in modern times would make would be detrimental to many parties, namely time, cost and human resources in the modern era. Due to the above reasons, a new application needs to be developed. This application aims to find the shortest distance. This application is made in a way to save the city and in the distance matrix.

1.2 Scope

To get the shortest distance do first is enter how much the city wants the user to be processed, then collect data from the user to enter the name of the town and the distance, then the matrix will appear that contains the name of the city and the distance from the user input.

1.3 Objective

This application was created to display the distance and the city name to be processed, that is the way a lot of user input to fill the desired city name of the city, filling the distance between the two cities and will eventually show 2 dimensional matrix that contains the name of the city and its distance.