

CHAPTER III

RESEARCH METODOLOGY

3.1 Data Collecting

In order to collect the required data is by searching the basic information from internet, such as schedule, bus number, bus travel's route, and the cost. For the coordinate of bus stops itself by deciding the current position of latitude and longitude from Google Maps. The real data that required in this project are street names, and operation hours which are used as basic information, and the coordinates (in the form of longitude and latitude) of the stops as the technical data in the program.

3.2 Data Analysis

After get some amount of data that needed for this project, then the next step is to separated some data into two parts. The first part of data will show up directly in the program, this part contains routes, schedule, and cost. The second part of data that uses in this project by the coordinate of bus stops will stored in text file.

3.3 Design

After the data which includes information and coordinate point collected, the next step that is required is to create a flowchart in order to stage the work projects can be structured clearly.

3.4 Implementation and Testing

After all the work on the program is finished, the final step needed is to test whether the program has been carried out is the part that doesn't work or even an error so it can be fixed on the happening of such problems.

