CHAPTER 3
RESEARCH METHODOLOGY

3.1 Data Collecting

Data collecting phase in the process of research is important. By using the right data, then the research process will take place up to the researchers so as to get maximum results. The data are in need in this research are the location of tourism, tourism data, ratings.

3.2 Data Analysis

How to recommend tourism in semarang to the way we used to create Google Maps of semarang tourism based on existing data continue to find coordinates on Google Maps once met its own coordinate input in URfile.txt after that specify the RADIUS then it would appear the closest to us in Google Maps there are also tourism rating which can be seen by people looking for sights and there is also the direction of the road so that people will visit can find attractions by knowing the rating and the direction of the course.

3.3 Design

A system that applies to everything, see everything at issue do not separately or apart, thus always connected. For the design of tourism in semarang investigation recommendation rating using Google Maps, the first step we create Google Maps in advance by specifying coordinates tourism in Semarang, the second step makes the maker that will appear on Google Maps, the third step make radius in Google Maps in order to find the nearest tourism with us by using the radius, the fourth step to make rating in Google Maps in order to bring up the rating in each of the attractions the fifth step, there are 4 columns containing the rating consists of 3 rating, the rating is 4, the rating is 5, and rating the rating column see all 3 rating one of the columns will appear click on attractions that
have a rating of 3, the sixth step click the maker will come up the road direction or directions will appear to the right column indicates the total distance and direction of the road to get to the attractions of it.

### 3.4 Implementation

A process to implement the design and produce maximum results. For that step in the do first, ask for data on tourism to tourism already getting data then the second step is making the key or Api key as early as the start of a working on program. After that the third step program with html in there are coordinates of semarang, key or key APIs that can connect with Google Maps.

The fourth step we started degrading the data already obtained in html and add the maker so we can find out the rating that exists with the way tourists visiting the places of interest using google maps. Five steps to add a search field in the html so that faster in finding the location of sights in want.