

CHAPTER III

RESEARCH METHODOLOGY

3.1 Determining Application

This project is a proxy server application. This server is built using java programming language. This server had purpose to passing client requests to web server and also to cache web server response. The cache can be reusable for responding client without do request to the web server again.

3.2 Literature Study

In this project, the first step will learn about java proxy in common. Then learn about thread to support faster processing for each request. Also learning about cache which become the main features of this Proxy server.

3.3 Design

The next is steps how the program built:

- To create a server program to accept using socket
- To test the server with a client request
- To use thread on the server to handle multiple clients
- To make the server requests http connection
- To transfer contents of the web servers to clients using streams
- To create and to read cache files

3.4 Testing

After the program already planned and finished built. The last step is to test the program. Terminal is very useful for showing clients request.

