

CHAPTER I

INTRODUCTION

1.1 Background

Proxy server is a server that acts as an intermediary for requests from clients seeking resources to web servers. Proxy server reduces the use of outgoing bandwidth by caching the content of requested web servers. Generally, when a client accesses a page from a web server, the client send a request to webserver, then the webserver send back response to the client. With proxy server, the requests that flow through will check whether the pages had ever been accessed or not. If the pages had ever been accessed, proxy server use the cached content of web servers without accessing from web server.

This Proxy server project will be created based on java programming language. There are some libraries those support networking and socket which are needed by this project. The libraries are java.net, java.io, java.util, and so on. In the end of this project, this proxy server would reduce outgoing bandwidth and could cache requests from client.

1.2 Scope

Scopes of this program are :

- Proxy Server can get request from client
- Proxy Server can get response from webserver based on client request

- Proxy Server can store cache file which retrieved from web server

1.3 Objective

This Proxy server project will catch client's request and pass it to the webservers. When the webserver reply the request, this Proxy server project stores the data into cache files and pass the data to the client. Thus, when client send identical request as before, proxy server could reply directly using cached files and the request aren't continued to the webservers.

