

# CHAPTER IV

## DESIGN AND ANALYSIS

### 4.1 Analysis

User sets the browser to work using proxy server. This sets by opening web browser preferences: advanced, network tabs, and click setting to fill proxy server configuration.

If the request had never requested before, proxy server will continue the request to web servers and receive response from the web servers. When proxy server receives new responses from web server, proxy server will store data into cache files and send response to the client.

When the request had ever request before, proxy server will not continue the request to the web server. Proxy server will find local cache files of the web server and send response to client.

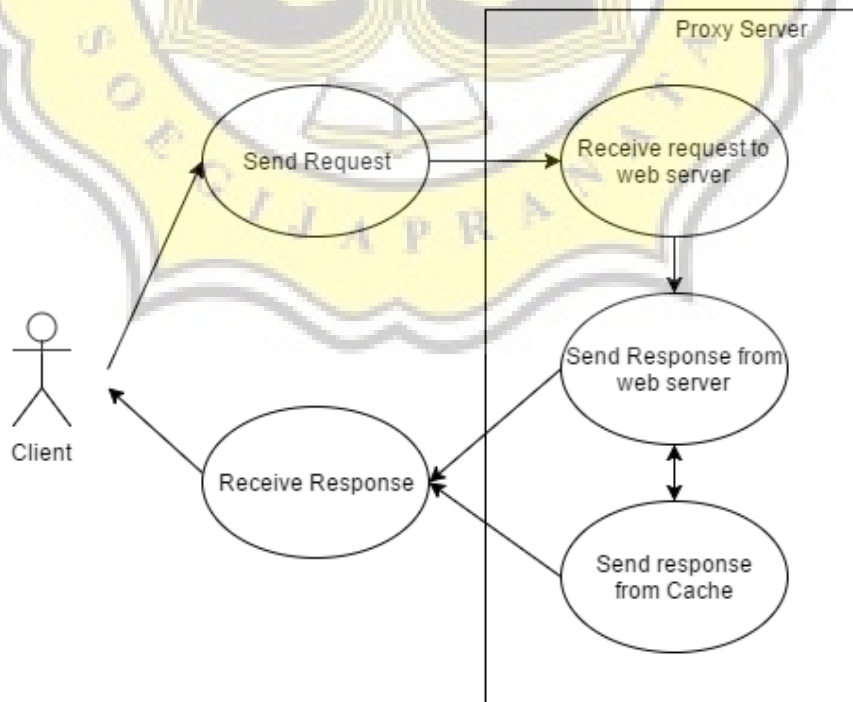


Figure 1. Use Case Diagram

## 4.2 Desain

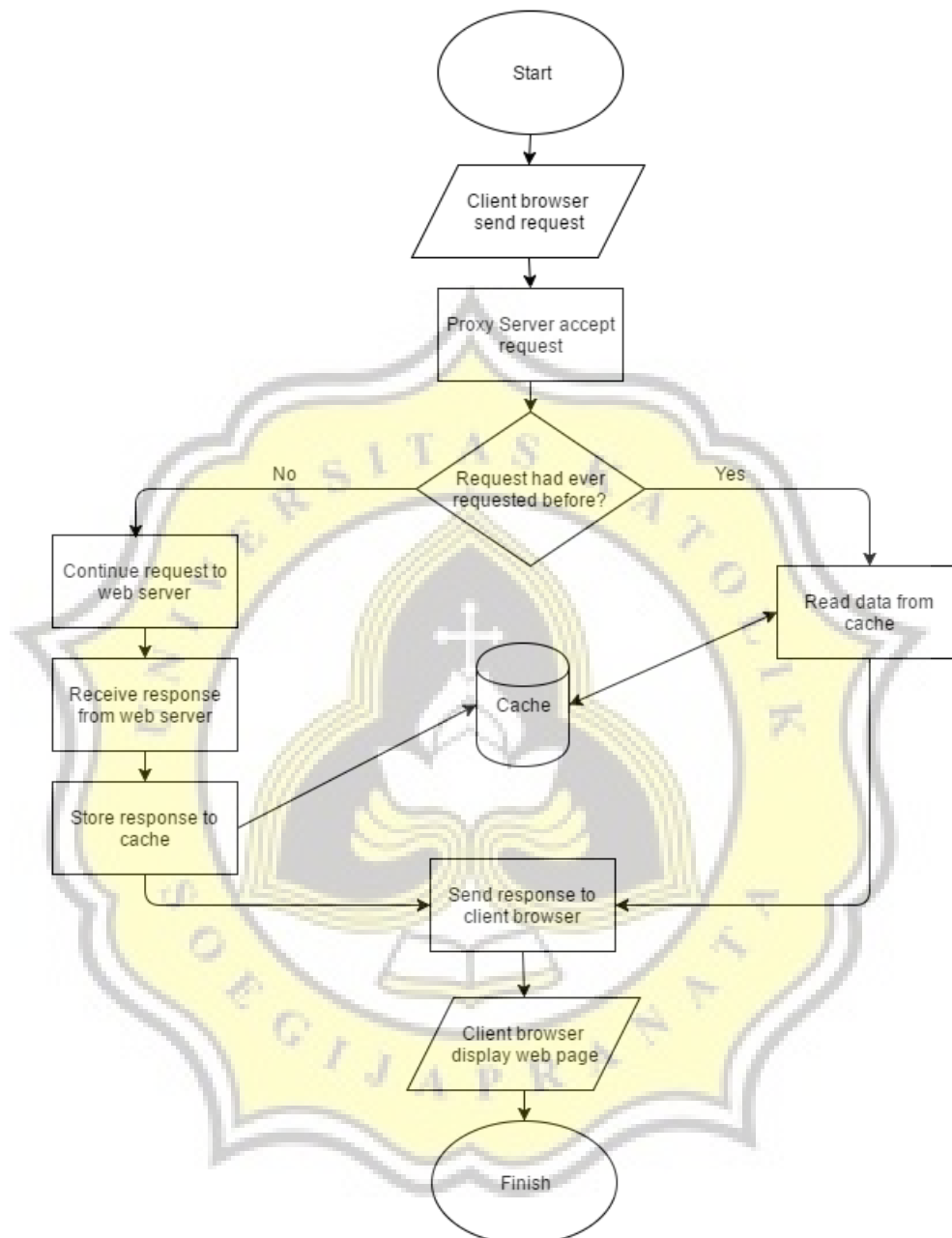


Figure 2. Flow Chart

Firstly the proxy server opens port and socket to retrieve clients requests. Then, it determines if clients had ever request before by reading cache files. If the cache file is not exists server continue request to web server. If cache file exists, cache file is

send to clients immediately without continuing requests to web servers.

