

# CHAPTER 1

## INTRODUCTION

### 1.1 Background

Computer network is one of the important things in the world of computers that have a function as a tool for communication between server computers with client computers. Making the server as an important learning so that we know how to create a server in a computer network laboratory in the Faculty of Computer Science Soegijapranata Catholic University. Server is a computer system that provides certain services in a computer network either in the form of data or applications. Client is a computer that uses the services provided by the server. VirtualBox is a simulation software to install an OS "Operating System", a simulation of VirtualBox based on the real results of the OS. Operating System is software in charge of control and hardware management. phpVirtualBox merupakan is a web application that can install OS "Operating System" through the web that has the same functionality as VirtualBox.

Learning network computer network client sever does not have to make from the beginning can be tried by using server virtualization that has the same function of the real results. Server virtualization can be used using phpVirtualBox as a service that can be accessed by the client.

Based on the current problems, the solution offered to create a simulation server with phpVirtualBox service that can be accessed by the client.

### 1.2 Scope

Problem formulation in this project are:

1. Server virtualization use phpVirtualBox.
2. Install the Operating System via phpVirtualBox web browser.

### 1.3 Objective

Based on the background above the purpose of this project makes the server that has the service can be accessed and used by the client. The server service to be created is phpVirtualBox.

