

## **CHAPTER 3**

### **RESEARCH METHODOLOGY**

ISPconfig was used in this project as a hosting server which was useful for displaying websites on a computer network. Here is the research methodology used in this project:

#### **1. Literature Study**

This step was done by searching and reviewing journals related to this project. There were five journals used as the main references in this report. The journal mainly discussed about web hosting in detail and also the difference between paid hosting and free hosting. The study from the published journal was used as a theoretical basis in completing this project.

#### **2. System Preparation**

The second step of this project was the preparation stage. The hardware used in the isp config consists of a set of computer server, a set of computer client, and a set of network devices. The required software from operating systems Kubuntu 16.04, and the apache web server and mysql server. The operating system that will be used as a server was installed on a computer. The other types of software which was essential to run ISPconfig were also installed, such as Proftpd, bind DNS, postfix, dovecot, Roundcube, fail2ban, and jailkit.

#### **3. Installation and Configuration ISP Config**

Installation is a process of installing ISPconfig software in Kubuntu 16.04. Installation of ISPconfig was done by selecting the ISPconfig language, choosing installation package, filling database hostname with localhost, filling MySQL port, filling MySQL username and password, filling

database name used to store ISPconfig data, filling port used by ISPconfig, and fill open SSL that has been created.

#### **4. Testing**

Testing is done in this project is trying to display the results of the website has been uploaded on the ISP config as well as adding an article on wordpress to test the database work or not.

#### **5. Final Report**

Finally, after all of the experiment had been completed, the final project report was written. The final report consisted of five chapters. The final report contained the obtained results from using ISPConfig as hosting server.

