CHAPTER 3
RESEARCH METHODOLOGY

3.1 Research instruments
Some of the equipments used in this research are as follows:

1. Software
   a. The operating system used is Ubuntu 14.04 LTS
   b. Android Studio 2.3.32

2. Hardware
   a. The processor used is Intel Pentium 2020m
   b. 500GB hard drive
   c. RAM with a large 4GB
   d. The monitor screen measures 14 inches

3.2 Data Collection
This study uses google user account data

3.3 Research Procedures
Some steps taken in this research include:

1. Users must have a Google account
2. Google account is active in sync on smartphone
3. Design flow chart of the program
The role of flowchart (flowchart) is very important in making a program. Flowcharts are used to describe, simplify, a series of processes or procedures so that they are easy to understand.

4. Implementation

Flow diagrams that have been in the design and then implemented into the program using Android Studio.

5. Testing the program

After going through the implementation phase, the program that has been made must go through the testing phase. The function of this stage is to ascertain whether there is still an error in the program and ensure that the API can run correctly.

6. Conclusions

The conclusion is made at the end of the study and based on the results of the program testing phase.