CHAPTER 3
RESEARCH METHODOLOGY

In making a visualization of this binary tree, some conceptual plans should be made for the preparation of the process, that is:

- **Data Collection**
  The data collection in this research will take is the study literature. The purpose in this literature study is to add insight or more knowledge about binary tree and visualization understanding. Examples of sources that will be studied this literature is the research books that have been done before, and some articles on the internet (blogspot, wordpress, etc.) about visualization of binary tree.

- **Create a Page for User Interaction**
  The overview of create a page for user interaction is a work page that has been prepared in the form of a box of contents that must be filled by users one by one before pressing the button. The purpose of the page for user interaction is require users to input the required data before going into the process that has been set by this program.

- **Create Binary Tree algorithms**
  The purpose of binary tree functions and algorithms is create a process after the user inputs the data by creating a binary tree function that can create root, left relation, and right relation.

- **Program Testing**
  The purpose of program testing is a trial for the course of this program is expected to run according to agreed procedures, if there is still a mistake it will be executed again so that the program can run according to the procedure.