algorithm. with the following parameters: alpha, pharmaceutical product sales data, sales period, quantity, brand, total price.

CHAPTER 3
RESEARCH METHODOLOGY

3.1. Journal Study

Journal search is needed to study the algorithms used in the program. The journal contains the algorithm formula used, namely Single Exponential Smoothing. Journals become a reference for implementing algorithms in programming languages. Journals that contain the Single Exponential formula will help us in the execution of the future project as well as being a good starting point.

3.2. Problem Learning & Analysis

After finding a journal that is compatible with the project, learn about the problems that occur within the scope of the project. By finding the problem, you must find a solution. The solution will be the answer to the program being made in the future.

3.3. Data Collection and Coding Process

The data used in this project is taken from the Saras Sehat Pharmacy from February to November 2018. The data used are the best-selling pharmaceutical products. The pharmaceutical products used are 28 pharmaceutical products with the best selling of more than 2000 sales data. Sales data are processed using CSV in data input and PHP as a programming language.

3.4. Research Report

This project uses a time-series forecasting algorithm, namely Single Exponential Smoothing.