

CHAPTER 3

RESEARCH METHODOLOGY

3.1 Journal Study

The journal used as a reference so that this project runs as expected. The calculation formula is based on the journal, therefore the research process uses linear regression and statistical methods to predict export sales and analyze export sales so that the company does not provide too much goods to be exported if the goods exported are not interested by the customer. By getting a reference from the journal. Then facilitate the making of programs that are in accordance with the requirements.

3.2 Problem Analysis

This project identifies problems that will be resolved through the program created. The boundaries that have been made will be settled according to the agreed date and time.

3.3 Data Collection and Coding Process

The data used for this project is the sales data of PT. Synergy Asia partners in January to December 2017. The data obtained will be entered into the formula and entered into the program logic. With that the data that has been obtained will be processed into CSV and use the PHP programming language.

3.4 Research Report

This project uses a linear regression method to predict the sale of exported goods and analyze the statistical method which includes calculation of the mean, median, mode, standard deviation.