

CHAPTER III

METHOD OF RESEARCH

3.1 Research Design

Research design plays an important role in a study for conducting the research. The descriptive approach will be used in this study. The author used a descriptive study to describe the needs of the students of Faculty of Computer and Science Sriwijaya University in learning EFL, and later the result of this study which is the description of the Faculty of Computer Science students' needs in learning English can be a consideration of the lecturer in teaching English to the students.

3.2 Research Site and Participants

This study was conducted at the Faculty of Computer Science, Sriwijaya University. The realm of ICT requires English language skills in daily activities. The application of English is also applied by students from the Faculty of Computer science in everyday learning, with several sources and teaching materials, primarily bilingual. Information system is one of the majors requiring students to be good at English. Therefore, for participants of the current study, the author chose the 6th-semester students from the Information System Study Program who have taken English courses for specific purposes in their 2nd semester. By selecting them as participants, the author knew whether the input of the English lessons that have been taught was in accordance with their current and future needs.

3.3 Method of Collecting the Data

In collecting the data, the author used two instruments: Questionnaire and Documents Review.

3.3.1 Questionnaire

Questionnaire was the main instrument in this study. According to Creswell (2012), questionnaire is a form included some questions which the participants need to fill out and return to the researcher to be observed as a part of a survey design of the study. The author gave the need analysis-based questionnaire to assess the

student's target and learning needs. The questions was adopted from Nureffendhi (2013) as cited from Lestari, (2020). The questions were written in Indonesian language.

3.3.2 Documents Review

Documents review is the structured recording, collection, arrangement, and study and interpretation of the data (Olsson, 2009). Document review is usually used by the author as the secondary data which is being the instruments to support the primary data the author already have. For this study, the author reviewed the lesson plan (RPS) used by the lecturers in teaching ESP at the Faculty of Computer Science and the guide book of the faculty.

3.4 Method of Analyzing the Data

To find the target needs and learning needs of the students in order to answer research questions number one and two, Needs Analysis questionnaire was used. The Needs analysis theory explained above was paired to the data collected by the document analysis.

3.4.1 Questionnaire

The data from the questionnaire were counted as the primary data to answer the questions based on the learning needs and teaching. The data obtained from questions about four needs analysis were Target Situation Analysis, Present Situation Analysis, Deficiency analysis, and Learning situation Analysis. Hence, the questionnaire consisted of 34 questions (6 for identities of the respondents, 4 for TSA, 20 for PSA, 1 for DA, and 3 for LSA). The questionnaires were analyzed qualitatively with frequencies and percentages, with the figures to display the results which were explained descriptively.

3.4.2 Documents Analysis

The documents which were reviewed were the lesson plan and the guide book used by the lecturers in teaching ESP at the Faculty of Computer Science,

Sriwijaya University. The contents of those documents were reviewed in accordance with the students' needs stated in the questionnaire given.