

CHAPTER III

RESEARCH METHODOLOGY

3.1. Research Design

This research will use a descriptive study with a qualitative case study approach. Qualitative case study in this research will do to describe concrete, contextual and indepth knowledge about information literacy competency of undergraduate students of STKIP PGRI Sidoarjo and the implication of students' information literacy competency towards “academic writing” learning outcomes.

Case study design in this research will use multiple-case design because will represent the information literacy competency from two contrasting subject based on the students' result of plagiarism check, the higher and the lower percentage of the similarities.

There are three stages in the process of undertaking the case studies research: preliminary stage, fieldwork and analysis stage and conclusion stage (Noor, 2008) that will be adapted in this research. The entire process that will be done in this research is shown in Figure 3 below.

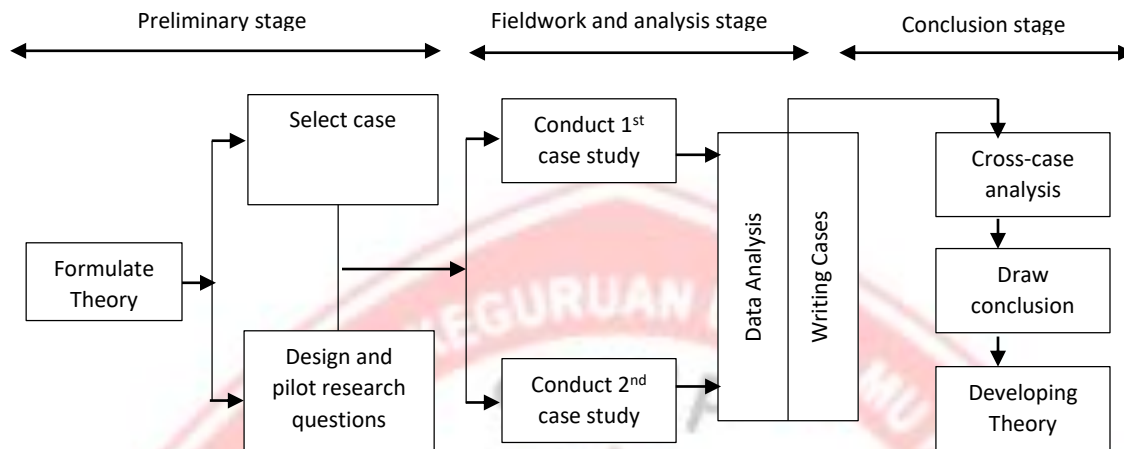


Figure 3. Stage involved in conduction case study

The three stages in the research design above are strengthened by the guidelines for carrying out the case study proposed by (Rahardjo, 2017) namely:

Preliminary Stages

1. Determining the focus of the study

The determination of the focus of the study in this research was based on the result of observations on the percentage of similarities in the results of the student plagiarism check that many of the STKIP PGRI Sidoarjo undergraduate students were above the predetermined standard.

2. Formulate theory

Some relevant literature and the result of previous study are reviewed to formulate theory in data analysis.

3. Select case

According to the focus of the study and relevant literatures that had been read, case to be investigate are facts that occur in undergraduate students related to the information literacy competencies they have, thesis writing and the implications of student information literacy competency in ‘academic writing’ learning outcome.

4. Design and pilot research question

There are two research problem that will be answered: how are the students’ information literacy competency in writing thesis and what is the implication of students’ information literacy competency towards ‘academic writing’ learning outcomes.

Fieldwork and analysis stage

5. Conducting case study

Data collection in this study will be obtained from the result of participant observation, interviews and documentation.

6. Data analysis and writing case

Data analysis in qualitative case study research is carried out by the researcher by checking the correctness of the data, compiling data, carrying out encryption, classifying data to draw conclusions.

Conclusion Stage

7. Cross case analysis

In order the result of this study are clear, the finding will be triangulated to the interviewed informant so the research result can be accounted.

8. Draw conclusions and developing theory

In draw conclusions, facts will be represented in descriptions according to research questions and do theoretical development.

3.2.Subjects

Respondents or informants of this study were STKIP PGRI Sidoarjo undergraduate students academic year 2020/2021 from four study programs (english education study program, mathematics education study program, history education study program and elementary teacher study program) whose result obtained the highest and lowest similarity percentages in the initial result of their plagiarism check chapter one thesis.

The reason for selecting informants above are because they have completed their thesis so that can represent the latest picture of information literacy competencies possessed by STKIP PGRI Sidoarjo students and in thesis chapter one, the writing of research background must be based on facts and opinions from experts where the source of quotations and the writing of citation sources must be correct and precise so that the percentage of plagiarism check result can be minimized.

Other informants are lecturers in ‘academic writing’ subjects as a source data on the implementation of student information literacy competency in ‘academic writing’ learning outcome. The lecturer informants also came from four undergraduate study programs in STKIP PGRI Sidoarjo.

3.3. Research Instrument

In this study, the researcher acts as a key instrument that will make direct observations to informants. Other instruments that will be used are the questionnaire, interview and documents.

3.3.1. Researcher as key instrument

As a key instrument, researcher will carry out the measurement and coverage of the data, the timing of data collection and determine the appropriate informant to be interviewed, when and where the interview will be conducted.

3.3.2. Questionnaire

Questionnaires to be used in this study will be addressed to student informants and contain questions about information literacy competencies based on five standards compiled by (Assosiation of College and Research Libraries, 2000). Scoring on the questionnaire will use the guttman scale, where the answer will be a clear answer (yes or no) to the questions asked.

3.3.3. Tape Recorder

Tape recorder will be used in interviews with lecturer informants in an in-depth and unstructured manner to seek information about implementation of students’ information literacy competency towards academic writing learning outcomes. By

using a tape recorder all information during the interview will be stored and can be played at any time.

3.3.4. Documents

Some documents will be collected to add information in analysis data. As for the documentation that will be collected are the result of students plagiarism check of thesis chapter one (academic year 2019/2020) and some literature relevant to the research topic.

3.4.Data Collection Procedures

Data collection in this study will be obtained from the result of participant observation, interviews and documentation. Participant observation is done by the researcher passively which means the research is present at the scene of action but does not interact or participate. The informants will answer questionnaires that given to get data of students' information literacy competencies in writing thesis chapter one. In-depth interview will do with the lecturers of academic writing subject to know what is the implication of students' information literacy competency towards academic writing learning outcome. Document review will also do to make the result of this research more clear.

3.5.Data Analysis

Data analysis in case study research has been started since the beginning of observation, when collecting data and when the data are collected. Robert K. Yin

concludes from Miles and Huberman that there are six steps to analyze data of case study (Yin, 2003) :

- Putting information into different arrays
- Making a matrix of categories and placing the evidence within such categories
- Creating data displays – flowcharts and other graphics – for examining the data
- Tabulating the frequency of different events
- Examining the complexity of such tabulation and their relationships by calculating second-order numbers such as means and variances
- Putting information in chronological order using some other temporal scheme

