

## **CHAPTER THREE**

### **RESEARCH METHODS**

#### **A. Type of research**

The types of this research are under normative research and empirical research. The normative research is based on the conceptual areas that use the library research, such as books, journals, and law regulations relating to the object of research while an empirical research is based on conceptual areas that use field research. So, the author interviewed directly to the respondents or informant in the field related to the object of research.

#### **B. Type of Data**

This research uses the primary and secondary data. Primary data is obtained from the result of empirical research, that is direct research conducted in the field. In this research, the researcher interviewed with water resources management agency in Yogyakarta, while secondary data was obtained by library research, namely the study of literature or references related to the issues consisting of primary legal materials, secondary legal materials, and tertiary legal material.

##### **a. Primary legal materials includes:**

- 1) The 1945 Constitution;
- 2) The Law Number 11 of 1974 on Irrigation;
- 3) The Law Number 32 of 2009 on Protection and Management of the Environmental;

- 4) The Law No 7 of 2004 on Water Resources;
  - 5) The Decision of Constitutional Court Number 85/PUU-XI/2013;
- b. The secondary legal material consists of several documents which were related to the primary legal materials, as follows:
- 1) Books related to the issue;
  - 2) Scientific Journals;
  - 3) Other legal documents related to the issue;
  - 4) Trusted sites internet;
  - 5) Other non-legal documents related to the issue;
- c. Tertiary Legal Material

The tertiary legal material included the English dictionaries and encyclopaedias.

### **C. Methods of Collecting Data**

#### **1. Library research**

The methods of collecting data with normative legal research are conducted through literature learning. It was conducted by reading, analyzing, and concluding from related documents such as constitution or laws, books, scientific journal, and others which related to the main as the object of this research.

## 2. Interview with Respondents

This research is conducted by collecting data directly in the field by using an interview technique, which is questioned directly by the researcher to the respondent or informants to get the information.

### **D. Methods of Data Analysis**

After the data collection, all of the data obtained in both primary and secondary legal materials were be analyzed. The data were analyzed using a descriptive method that was the method of analysis used to describe a phenomenon clearly and in detail.<sup>1</sup>

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<sup>1</sup> Mukti Fajar, Yulianto Ahmad, 2010, *Dualisme Penelitian Hukum Normative dan Empiris*, Pustaka Pelajar, Yogyakarta, p. 34-35