CHAPTER 3
RESEARCH METHODOLOGY

Step of web project making:

1. Material research about this project

As these project made about North Maluku Historical Web, considered that in the making processes a lot of references is needed for supporting the web. Therefore, the first thing that should be done before making this project is researching support material that related to Maluku’s histories.

The material will be gathered by reading literature, browse on the internet, and also directly ask to indigenous people of Maluku. Hopefully by doing these material research will make material to be covered becomes wider and clearer.

In addition, the focus of discussion on this project is about the history of Maluku, the materials that will be taken are related about culture, customs, language, and ethnics.

2. Learning about PHP, HTML, CSS, and Database

Programming language that will be used in this project are PHP and HTML. To support this project, MySQL and database will be needed to run this project. CSS language will be used to make the interface more pleasing. Before building the interface, first phase that should be done is to make database for data entry that later will be entered into various column and table on the interface. This database made by using MySQL and phpmyadmin whereas the name of the database is “dbKerajaan”.

Within this database there are several column and table. The first table named tblKerajaan which used to record data about nama kerajaan. The second is table that contain about historical structure such as tribes, cultures, language, history, custom houses, and traditional weapons.
In this project MySQL is used to point the data that already entered from the web into the database in accordance with their respective column. For example, if the data is entered into Suku column of the tblKerjaan table then the data will be posted or deposited into tblKerajaan table in Suku column.

The next step is build the web interface that contain input column using HTML. HTML is used to make the input form columns to supporting the data that needed by web. These columns are based on the columns in the database, which must match the column names contained in the database, so that data can be stored appropriately based on the column.

The last step is display data that already entered into database using PHP. By using PHP data that already stored can be displayed, with a record typing process should be in accordance with the table name and column that will be displayed, if it does not match the data cannot be displayed.

3. Making the web database

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To support the content of the discussion in the web, this project using MySQL. Determining primary key and foreign key of the databases is needed as the early step, which as the next step MySQL will take data from database to be saved into data column that entered in accordance with the database name.

4. Inputting data into the database

In this web project database, there are buttons that have function to adding data and deleting data from a database that already set. The process of displaying data from database need a connection between MySQL and the database, then it is necessary to call the PHP process to get the data inside database.
After of various phases that already pass, start from researching supporting data until web making processes then testing will be needed, where the data that already entered into the database will be tested to be displayed.

5. Project Report

After this web project is fulfill then a final report about every processes of this project making. Every detail of the processes will be divided in several chapter of the report.
• Chapter I : about background and introduction of this project.
• Chapter II : about literature study for making this project.
• Chapter III : about research methodology.
• Chapter IV : about analysis and design of this project.
• Chapter V : about implementation and testing.
• Chapter VI : about conclusion of this project.