

## Chapter III

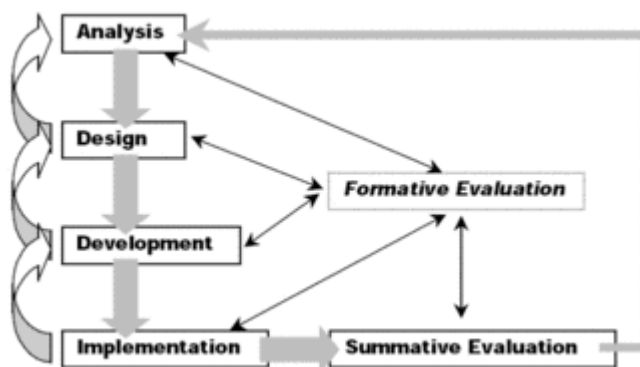
### Research Method

This chapter presents about the methodological steps which underlie this study. Moreover, the research design, research subject, data collection technique, and research procedure will be presented.

#### 3.1 Research design

The researcher uses research and development (R&D) as the research design of the study. The researcher chooses this research design since she would like to develop English book material for EAP students of Law Department at Muhammadiyah University of Gresik. Educational research and development (R&D) is a process used to develop and validate educational products (Brog and Gall, 1983: 772).

In developing products or material, the researcher must do some steps. There are many kinds of instructional development models, but here the researcher chooses ADDIE model as the design of developing English book materials. ADDIE model is one of instructional design model which can be used as guidance for designing the materials. In ADDIE model, there are five steps those are: analyze, design, development, implementation, and evaluation.



**Figure 3.1 Steven J. McGriff's ADDIE Model**

#### 3.2 Procedure of developing EAP materials

There are some procedures for developing EAP materials consist of analysis (include: interview with the lecturers and questionnaire for the students), design instruction, and developing material. In developing the material, there is a sub-process that is expert validation. Furthermore, after developing EAP material and expert validation, the next process does try out of the product, revision of the product, and final product.

### **3.2.1 Analysis**

Need analysis is the first stage in developing the material. This done to find out what is needed by the learners so the media and the material will be develops accordance with their need. Based on Hutchinson and Waters (1987) needs divided into two categories that are target needs and learning needs.

#### **3.2.1.1 Questionnaire**

In this study, the researcher will distribute questionnaire to students of Law Department in need analysis step, after conducting try out. The total of the students who joined are 17 students. The purpose of giving questionnaire in need analysis is to find out the target need and the learning need. The researcher gives 26 questions contain target needs and learning needs. The form of is multiple select, so the students can choose one or more answer from several question provided. The researcher adopted questionnaire from Nureffendi that was made based on theory of need assessment proposed by Hutchinson and Nunan.

#### **3.2.1.2 Interview**

The researcher interviews both lecturer of law department and English lecturer at University of Muhammadiyah Gresik. The researcher gives some questions to the lecturer. The interview are about how the teaching strategy for students of Law Department in EAP class, curriculum used, how to teach the learners effectively, the material in EAP class, and the weakness of students in learning process.

### **3.2.2 Design instruction**

To make design, the researcher analyze from need analysis. In design phase, the researcher designs the lesson plan of semester (RPS) and expert validity. The researcher develop the lesson plan of semester based on the existing lesson plan of semester and create a new lesson plan of semester for law department students. The researcher will make activity in learning that will be appropriate with target needs and learning needs to help the students learning. The material will be taken from Law Department material, so it can help students learning in EAP class. There are some processes of each chapter in the textbook that are listening exercise, reading exercise, speaking exercise, and writing exercise. In those processes there is sub-process that is task 1, task 2, task 3, until task 4. From the process, the researcher adopts the step in taxonomy bloom. The first task belongs to knowledge, here the task will consist of identify the material in the textbook. The second task belongs to analyze, here the task will ask the student to analyzing some problem related to the topic. The third task

belongs to synthesis, here the task will ask the students to compose and produce the some project which related to the topic or subject. The last task belongs to evaluate, here the task will ask the students to evaluate and conclude the material in the textbook.

### **3.2.3 Development**

In this phase, researcher has some step to develop the material for Law Department in EAP class. The first, researcher analyzes the questionnaire and interview. From the result of analyze, researcher creates lesson plan of semester (RPS) for EAP class in Law Department at University of Muhammadiyah Gresik.

The researcher makes draft materials for EAP class. Researcher makes draft to know the kind of materials and how many materials that will be in the book. During the process of make the lesson plan of semester (RPS) and draft material, researcher conducts the *Expert Validation*. So, lesson plan of semester and draft material can appropriate with the result of need analysis. Then, the researcher develops the book based on the lesson plan of semester (RPS) and draft materials. The process when develop the material become book, researcher conduct validation with the expert. The validation is done by lecturer from Law Department of University of Muhammadiyah Gresik and Lecturer from Language Center who teach EAP for Law Department.

### **3.2.4 Implementation**

In the implementation of classroom procedure, the researcher will conduct try out of the product. The subject of this study is students in the second semester of Law Department at Muhammadiyah of University. At the end of the try out, the questionnaire are distributed to the students. It is done to know whether the book material is satisfying or not. In addition, the questionnaire is taken as feedback for the researcher to improve the material that has been created by the researcher. The researcher implements the book in 3 meeting and uses 3 chapters.

### **3.2.5 Evaluation**

In evaluation phase, the researcher can improve the instructions that have been made before the final product, in addition the researcher can also measure the level of effectiveness of instructions that have been made. The researcher can revise the instruction based on the student's needs, revise the content, also the exercise. The revision are needed to improve the product become well.

### **3.3 Final Product**

Final product here is the last step of developing EAP book material in form of Law Department after the revision of the book material is done. There are six chapters in the book material and every chapter there will be exercises. The aim is to check the understanding of the student after learning the book material. The book is integrated skill and consists of vocabulary building, language expression, and language focus in every chapter. The product still needed improvement before the final product is launched.