

# **CHAPTER I**

## **INTRODUCTION**

Introduction is the first chapter of this study. It introduces the importance and objective of the study. The study is the analysis of students' perception on the content of English for Mathematics at Mathematics Department UIN Antasari Banjarmasin. This chapter consists of the background of study, research questions, objectives of the study, significances of the study, and definition of key terms.

### **A. Background of Study**

English as the language of the world has become a language that must be mastered by everyone in order to follow the development of the era. English is not only used as a language of instruction in the business world but also in education. English is either a foreign language or a second language for students. By mastering the English language students will easily access the world of information and technology, communicate with other people and can provide a more open opportunity to develop themselves in order to get a better chance to face the competition of employment and career in the future.

The importance of language itself has already been in the Holy Qur'an as the explanation of God about the role of language as communicative system in the world. He said in Holy Qur'an Ar:Rum, verse 22:

وَمِنْ ءَايَاتِهِ خَلْقُ السَّمَوَاتِ وَالْأَرْضِ وَاخْتِلَافُ السِّنْتِكُمْ وَاللُّوْنِكُمْ  
 إِنَّ فِي ذَلِكَ لَءَايَاتٍ لِّلْعُلَمِينَ (٢٢)

The verse above explains about the importance of language that has been given by God. Every ethnic group has their own language for communicate each other. In real situation, language is not only uses for communicate, but also needed for deliver knowledge between mankind in the world. Nowadays, wherever position the people's work, they feel the need to learn English as a foreign language. In response to the needs of developing human resources, the English teaching in Indonesia becomes significant.

Based on UUD 1945 Number 20 Years 2003 on National Education System Article 33 Verse 3 stated that a foreign language can be used as a classroom language in a certain educational level to support the students' language ability, the teaching of English has been extended to be taught to the kindergarten school level, elementary school level, junior high school level, senior high school level and university level.

UIN Antasari Banjarmasin is one of the universities in Banjarmasin. It consists of five faculties such as Tarbiyah and Teachers Training Faculty, Da'wah and Communication Faculty, Economics and Business Faculty, Islamic Education and Humanities Faculty, and Syariah Faculty. Tarbiyah and Teachers Training Faculty is one of the faculties in the UIN Antasari Banjarmasin campus. The faculty prepares prospective teachers according to their respective fields. It consists of twelve majors such as Mathematics

Department, Arabic Language Education, English Department, Islamic Education, Islamic Education Management, Guidance and Islamic Education Counseling, Madrasah Ibtidaiyah Teacher Education, Early Age Islamic Education, Chemistry Education, Biology Education, Physics Education, and Library and Islamic Information Sciences.

The Mathematics Department is one of the majors in Tarbiyah and Teachers Training Faculty. Mathematics education is a department that prepares prospective teachers of mathematics education. Here they are taught about mathematics material. Besides learning about mathematics material. They are also taught material about English for mathematics. The course is only available in the fifth semester and not in the other semester. The name of the course is English for mathematics. English for Mathematics is one of the compulsory subjects in the Mathematics Department.

Although the department does not have a direct relationship with the English but the demands of profession that will be faced in the future become necessity. Also, demand that they are demanded that they will be able to understand and transfer knowledge in their departments by using the English. The ability of English in college students is very important to increase students' competence in the teaching and learning process as well as to prepare themselves for working after graduation. Therefore, before learning, keep in mind that the material studied already in accordance with the students' needs.

On January 30, 2019, the researcher interviewed several Mathematics Education students of who have studied English for Mathematics at UIN

Antasari Banjarmasin. The researcher asked several questions in the interview about their perceptions of English for Mathematics and the content of the English for Mathematic book itself. Because before they had studied English for Mathematics in the fifth semester.

Based on the interview the students of Mathematics Department. There is several students stated that they had difficult to understand the content of mathematics material is using English and besides that other students stated that English for Mathematics is useful for their future and the book content is good because the solution to the questions given is also quite clear from the language and steps.

On January 08, 2019, the researcher interviewed the lecturer who taught of English for Mathematics Course at Mathematics Department of UIN Antasari Banjarmasin. The researcher asked several questions in the interview about English for Mathematics Course and the content of the English for Mathematic book itself. Because before he had taught English for Mathematics Course in the fifth semester.

Based on the interview, the lecturer stated that English for mathematics is one of the compulsory subjects for mathematics students. Because besides learning mathematics materials, they are also taught English. Because the book we use is in English. The purpose of this course is so that they can speak English and know some math vocabulary in English and can implement it in the future. For this course only one skill is speaking skill. In addition, they also teach the procedures for pronunciation of mathematics in English.

Based on the preliminary study, it is important to get more information about students' perception on the content of English for Mathematics. in order to make the material given in accordance with the goals and target needs. In addition, the material should be interesting for the students. By mastering the English teaching materials for math well, it is also expected that students will use English as a tool to develop and improve the quality of science not only in mathematics but also the ability to speak English.

From the explanation above the researcher would like to conduct a study entitled: **“The Analysis of Students’ Perception on The Content of English for Mathematics at Mathematics Department UIN Antasari Banjarmasin”**.

## **B. Research Question**

Based on the background above, the researcher analyzed of students' perception on the content of English for mathematics. In the line with the statement described above, the researcher formulated the problems as following:

How is the students' perception on the content of English for Mathematics at Mathematics Department of UIN Antasari Banjarmasin?

## **C. Objective of Study**

Based on research question, the purpose of this research is to know about students' perception on the content of English for Mathematics at Mathematics Department of UIN Antasari Banjarmasin.

#### **D. Significance of Study**

The result of this research is expected to contribute to the field as follows:

##### 1. Theoretical significance

This research about students' perception on the content of English for mathematics for students of mathematics Department. It known what materials that the students' needs to learn English about basis of math. The result of this research helped the students' mathematics to determine which materials were suitable for them. Hence, the students selected materials as the reference in learning activity in the class.

##### 2. Practical significance

###### a. For teachers or lecturer

For teachers, to find out which materials were more appropriate to the needs of students and learning objectives. To the university, to determine the appropriate materials for the students.

###### b. For students

To provide information about content of material which was relevant with students.

###### c. For the next researcher

For the next research, it was reference which related of this research until that was better a research.

e. For the University

To enriching Literary source of the UIN Antasari Banjarmasin Library.

## **E. Definition of Key Terms**

These are a few important operational definitions of important words in this research:

### 1. Analysis

Analysis is an observe in detail what we are researching to get more information.

### 2. Perception

Perception is person's perspective on the content of English for Mathematics. And to know about the difficult part, enough part, and easy part of the content of English for Mathematics.

### 3. Content of English for Mathematics

Content is the content of book of English for mathematics. The book consists of 6 chapters about Measurement, Estimation & Using Formulas, Using Algebraic Equations to Solve Problems, Word Problems Involving Ratio, Proportion & Percentage, Word Problems Involving Geometry & Trigonometry, Word Problems Involving Statistics, Counting, and probability.

### 4. Students' Perception

Students' perception is perception of students of 6<sup>th</sup> semester of Mathematics Department at UIN Antasari Banjarmasin about the content of English for Mathematics.