

# CHAPTER I

## INTRODUCTION

### 1.1 Background of the Apprenticeship

In this era of globalization, every individual is required to be able to improve their quality and competence so that they can become individuals who are ready to compete in various sectors, especially in the industrial sector. To meet these demands and to achieve complete educational goals in tertiary institutions, it is felt that it is less if students only rely on theoretical knowledge obtained from universities.

The relationship between theory and practice in the world of education is important to compare and prove something that has been learned in theory with the actual situation in the world of work. The Bengkalis State Polytechnic has a responsibility in preparing its students to compete in the real world of work. Apprenticeship is a learning process to get to know the real world of work directly. This Apprenticeship is carried out annually and is mandatory for every Bengkalis State Polytechnic student with the aim of being able to implement the knowledge they have learned into the world of work. apprenticeship is a series of activities that include understanding scientific theories/concepts that are applied in work according to the profession in the field of study. apprenticeship can add insight, knowledge and abilities to students, and be able to solve scientific problems in accordance with the theory obtained while in college.

Therefore, knowledge is needed to apply the knowledge that has been obtained so that students can practice the aspects needed to enter the industrial world which they will later be involved in. In line with that, universities require their students to take Apprenticeship courses which are held in even semesters. Apprenticeship is an Intra-Curricular Activity that is part of the State and Community Life Courses, all majors at the Bengkalis State Polytechnic.

In general, the implementation of the Apprenticeship aims to improve students' abilities and skills in the field of technology and skills directly in various activities in industry and offices. After carrying out a specific Apprenticeship, students are expected to gain industrial experience which includes planning, processing and implementation in a work unit. The achievement of the above-mentioned Apprenticeship objectives ultimately refers to the professional formation of students who have broad skills and knowledge in the field of International Business Administration. With these abilities, graduates of the Bachelor of Applied International Business Administration at Bengkalis State Polytechnic are expected to be able to apply their skills and knowledge. the implementation of the Apprenticeship aims to improve students' abilities and skills in the field of technology and skills directly in various activities in industry and offices.

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Bengkalis State Polytechnic also seeks to improve students' abilities by conducting training in companies so that they can realize the mission of the Polytechnic to make staff ready to use and have links and compatibility between the industrial world and the world of education that is carried out well.

Along with the development of the times, the industrial sector in Indonesia has increased and developed rapidly. This causes the atmosphere of competition in the world of work to become increasingly stringent, so that reliable and quality human resources are needed in the industrial sector, especially in the field of chemical engineering. The development of human resources in tertiary institutions is carried out through teaching and learning activities, research and community service. In order to achieve optimal results in the development of science and technology, good cooperation and communication lines are needed between various parties, starting from universities, industry, government agencies or private parties.

The development of palm oil production in Indonesia continues to increase every year. Palm oil production is divided into 2, namely palm oil (CPO) and palm kernel oil (CPKO). Palm fruit is the raw material for making CPO (crude palm oil) and CPKO (crude palm kernel oil). CPO is produced from the flesh of the palm fruit, while CPKO is produced from the core of the fruit. Processed fresh fruit bunches (FFB) need attention even though Indonesia is not fully superior in downstream products (biodiesel, cooking oil, butter) but CPO and CPKO are the main export commodities from the plantation sector. Along with the development of palm oil production, the number of palm oil processing factories continues to increase.

PT Kuala Lumpur Kepong (KLK) Dumai is one of the CPKO product processing factories. The resulting products are fatty acids and glycerine. The resulting fatty acid and glycerine are then exported to Malaysia. The process of separating fatty acids and glycerine at PT KLK Dumai goes through the oil splitting stage, at this stage the hydrolysis process occurs. The hydrolysis process is a chemical reaction that occurs due to the meeting of oil and water at a certain pressure and temperature.

One of the companies in Malaysia that cooperates with PT KLK Dumai to date is PT Oleomas Sdn. The competition of the palm oil industry, especially competition between stockpile tank companies in Riau province, the company implements an internationally recognized management system, namely the ISO 9001 and HACCP management systems. PT KLK Dumai in ensuring the quality of derivative products with control management that oversees several departments responsible for their respective positions.

These departments are, finance department, Human Resource & General Affairs (GA) Department, Production Department, Logistics Department, under BOD department, maintenance department, and Quality Assurance (QA)/Quality Control (QC) Department. These departments will work together for the benefit of the company to achieve common goals. Therefore, each department has its own duties and responsibilities.

PT. KLK Dumai is one of the foreign companies in Indonesia, where the company's center is in Malaysia and engaged in import exports, as for my reason why the Apprenticeship here is in accordance with the author's major so that it can apply the knowledge that the author has gained on campus to carry out an apprenticeship and to know about how palm oil products are processed, how products are packaged, and how products are marketed. As well as knowing the culture of a foreign company in Indonesia in running its business.

Apprenticeship Activities carried out in the Logistics Department in the bulk goods export section. The activities taught are, Making Documents for Work Appointments (SPK), Making Shipping Instructions (SI) Documents, Pre Invoice, Pre Packing List, Making 3D Forms, Making Open Lock/Seal Documents, Making Notification Documents Goods Readiness (PKB), Submission of Samples, Making Manual Invoice, Making Goods Export Notifications (PEB), Commercial Invoice, Packing Lists, and E-SKA (CO).

## **1.2 Purposes of the Apprenticeship**

Apprenticeships is one of the activities of the Bengkalis State Polytechnic students in completing their studies. In order to achieve the expected result, it is necessary to know the purpose of the apprenticeship, which are as follows:

1. To find out the job description of practical activities at PT.KLK Dumai
2. To find out the time and place of practical work at PT. KKK Dumai
3. To find out the system and work practical procedures at PT. KKK Dumai
4. To find out the obstacles in the practical during PT.KKK Dumai.

## **1.3 Significance of the Apprenticeship**

Practical work certainly has great benefits for students, universities and companies, while the benefits of practical work include:

### **1.3.1 Significance for students**

With the apprenticeship program, it is hoped that it will provide opportunities for Bengkalis State Polytechnic students to be able to apply the knowledge gained during lectures to be practiced in the world of work.

### **1.3.2 Significance for State Polytechnic of Bengkalis**

with the Apprenticeship program, it is hoped that the Bengkalis State Polytechnic can establish good cooperation and relations with various parties.

### **1.3.3 Significance for the Company**

The establishment of cooperation between the world of education and companies or agencies The company received assistance from students who did practical work. With the Apprenticeship program, it is hoped that it will provide opportunities for Bengkalis State Polytechnic students to be able to apply the knowledge gained during lectures to be practiced in the world of work.