

Student Exchange Program Model as an Evaluation to Enhance Student Research Publication

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STUDENT EXCHANGE PROGRAM MODEL AS AN EVALUATION TO ENHANCE
STUDENT RESEARCH PUBLICATION

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The purpose of this paper is to explore a student exchange program as a strategy to enhance research quality. Two types of the exchange program from university student are modeled, analyzed and verified. The first model of the exchange program is a group of student, where the studying subjects per semester consist of some course subjects includes the final year project. Different from the first model, in the second model, the studying loads are focusing on the final year project with the elective subjects are taken in a form of seat-in model. In this paper, the effectiveness of the student exchange model to produce research articles are analyzed and evaluated. Both of the models indicate that all of the students can finish the final year project within the schedule. In term of the research publication, all of the student able to produce research articles that at least indexed by Google scholar.

Keywords: Student Exchange Program, Research Collaboration and Research Publication

I. INTRODUCTION

Recently, many universities all over the world encourage the international academic exchange activity, plenty curriculums focusing on engineering and science research project (Miyahara & Tanaka, 2015). Gaining international knowledge and experience, challenging and enlarging their intercultural competences, improving their language proficiency are just a few advantages students have by taking part of such learning journey (Nedelcu & Ulrich, 2014). The International Student Mobility (ISM) also known as the International Exchange Program (IEP) has benefit not only for the individual, but also important to increase the community level between the hosting university and sending university. The ISM constitutes a key element of

the internationalization of the higher education institution (Bryła, 2015).

The purpose of this paper is to explore a student exchange program as a strategy to enhance research quality and productivity. In order for approaching the final aim, some example of the IEPs are investigated and analyzed to find out the better model of the IEP associate with the productivity of the student research papers.

The next section describes the examples of the IEP program as a case study, and follows by analysis and discussion. The paper closed by the conclusion and suggestion for the future work regarding the finding of this research.

II. INTERNATIONAL EXCHANGE PROGRAM DESIGN

The various goals and mission of students and institutions of higher education determine the model variety and the scope of student exchange programs (Sowa, 2002). Generally, the IEP can be divided into two models, international credited academic exchange program (ICAEP) and international non-credited academic exchange program (INCAEP). In the ICAEP, both of the university agree and allow credit transfer to the existing degree program in the student's home institution. This program usually designed for one semester program. While for the INCAEP usually designed for short visit period only.

In this study, the ICAEP from the department of electrical engineering (Brawijaya University, Indonesia) that sent to the ³ faculty of electrical and electronic engineering (Universiti Tun Hussein Onn Malaysia) are investigated and analyzed. The first sample is student exchange program in semester 1 academic year 2014/2015. The first program follows by 5 students consist of 4 men and 1 woman. In this program all student apply final year project and some course subject. The second student exchange program follow by 4 students consist of 3 men and 1 woman. This sample is taken in semester 1 academic year 2015/2016. Same the first model, all students apply final year project and some course subject. Different from the first model, in the second model, the course subjects are taken in a form of seat-in model.

III. ANALYSIS AND DISCUSSION

In order to encourage and help the students to join the ICAEP, both of the universities already have Memorandum of Understanding (MoU) and already have a good agreement such as free of some campus facilities. Generally, the free campus facilities include, free tuition fees, free student dormitory and free student bus.

Preparation of the sending university in selecting the student is the most important element of a successful student exchange programs. With the right selection, the investigations show that both of the examples show good achievement. All of the student can pass the subject with satisfy marks with CPA above three for maximum mark scale of 4. This result illustrate

that all students have strong motivation and commitment. In part of the research experience for the both sample based on the goggle scholar investigation show that, in the end of program all of the student can produce one paper in English language. It is shows that with the exchange program the student have advantage in research experience, especially in term of research management and research dissemination technique.

IV. CONCLUSIONS

International academic exchange program is one of the importance key to improve the student quality, particularly to increase the international knowledge and international experience. Besides that, the student also can improve intercultural understanding and competences. In term of research experience by following the ICEAP the students will learn many things such as: new ways of research approach, research management, research reporting and research disseminations in form of journal or proceeding articles. The research network and research collaboration are the most value for the institution and the participants itself for the future career.

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