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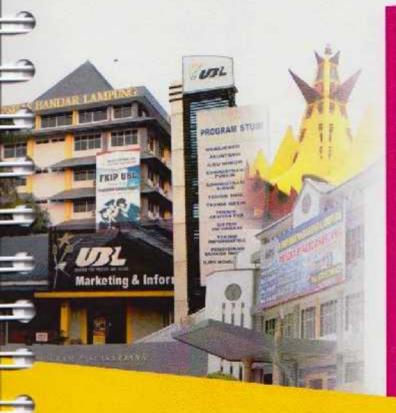




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MALAYSIA



2° CEL THE SECOND

THE SECOND INTERNATIONAL CONFERENCE ON EDUCATION AND LANGUAGE

20, 21, 22 MAY 2014 Bandar Lampung University, Indonesia

PROCEEDINGS

Hosted by

- Teacher Training and Education Faculty (FKIP), English Education Study Program, Bandar Lampung University (UBL)

PROCEEDINGS

THE SECOND INTERNATIONAL CONFERENCE ON EDUCATION AND LANGUAGE

2nd ICEL 2014

20 -22 MAY 2013



Organized by:

Faculty of Teacher Training and Education (FKIP),
English Education Study Program of Bandar Lampung University
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PREFACE

The activities of the International Conference are in line and very appropriate with the vision and mission of Bandar Lampung University (UBL) to promote training and education as well as research in these areas.

On behalf of the Second International Conference of Education and Language (2^{nd} ICEL 2014) organizing committee, we are very pleased with the very good responses especially from the keynote speakers and from the participants. It is noteworthy to point out that about 80 technical papers were received for this conference

The participants of the conference come from many well known universities, among others: University of Wollongong, NSW Australia, International Islamic University Malaysia, Kyoto University (Temple University (Osaka), Japan - Jawaharlal Nehru University, New Delhi, India - West Visayas State University College of Agriculture and Forestry, Lambunao, Iloilo, Philipine - Bahcesehir University, Istanbul, Turkey - The Higher Institute of Modern Languages, Tunisia - University of Baku, Azerbaijan - Sarhad University, KPK, Pakistan - Medical Sciences English Language Teacher Foundation Program, Ministry of Health, Oman - Faculty School of Arts and Sciences, Banga, Aklan Philippines - Sultan Ageng Tirtayasa, Banten, - Pelita Harapan University, Jakarta - STIBA Saraswati Denpasar, Bali - University of Muhammadiyah Yogyakarta - Ahmad Dahlan University Yogyakarta - Sriwijaya University, Palembang - Islamic University of Malang - IAIN Raden Fatah Palembang - Universitas Diponegoro, Semarang, Indonesia - Universitas Haluoleo Kendari - State Islamic University of Sunan Gunung Djati, Bandung - Tadulako University, Central Sulawesi - Sanata Dharma University - Lampung University and Open University,

I would like to express my deepest gratitude to the International Advisory Board members, sponsors and also to all keynote speakers and all participants. I am also grateful to all organizing committee and all of the reviewers who contribute to the high standard of the conference. Also I would like to express my deepest gratitude to the Rector of Bandar Lampung University (UBL) who gives us endless support to these activities, so that the conference can be administrated on time.

Bandar Lampung, 20 May 2014

Drs. Harpain, M.A.T., M.M

2nd ICEL 2014 Chairman

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BANDAR LAMPUNG UNIVERSITY
Bandar Lampung, Indonesia
May 20,21,22 2014

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IMPROVING TEACHING AND RESEARCH CAPACITY IN INDONESIA EDUCATION THROUGHT ASEAN COLLABORATION

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ABSTRACT

In the global higher education (HE) scenario, many countries face common challenges in higher education including rising demands for access to higher education, and the needs to improve the quality of higher education for international recognition. Although the harmonisation of HE process in Europe has not been without flaws, a regional platform to address and perhaps solve common challenges in higher education is of interests to the global regions. This project examines the teaching and research capacity of hight education in the case of ASEAN countries. Education for All (EFA) is a drive to decentralize basic and secondary educational planning, management and accountability, particulary in countries with highly centralized systems of governance, to make themm more responsive to diverse local needs and place more responsibility at the local level. The decentralization of higher education also played a part in Indonesia's many post-revolutionary reforms, and the Indonesian government identified a group of top tier universities to become more independent from central control. Considering a regional commitment to establish an ASEAN Community by 2015 and the international challenges in higher education, a more prominent role of the harmonisation of higher education process within the ASEAN region is crucial to build a strong foundation for the ASEAN Community and also to enhance higher education interconnectedness of ASEAN and beyond. This study explores the teaching and research capacity of Indonesia education, particularly from an ASEAN perspective. It also investigates the progress and impediments towards increased human resources development in Indonesia education in this region of ASEAN, to promote the connectivity in education among ASEAN countries and beyond.

Keyword: research and teaching capacity, ASEAN collaboration, human resources development.

1. Introduction

Indonesia, a country of 249 million people has seen a surge in education attainment, with growing numbers og high school graduates continuing on the institutes and universities, and increasinglu highher percentages of teaching staff with advanced degrees. Participation and goes enrollment in higher education has increased significantly following independence from Deutch colonalization in 1945. Today, there are over four million stients enrolled in 2,800 institutions of higher education in Indonesia.

The Global index of cognitive Skills and educational attainment Indonesia position on the 40 rank with index of cognitive skills 2,03 and the first rank is Finland and others ASEAN member country Singapore on the fifth position (Table 1).

Table 1: Global Index of Cognitive Skills and Educational Attainment

	INDEX OF COGNITIVE SKI	LLS AND E DUCATIONAL A TTAINM	ENT
	OVERALL INDEX	COGNITIVE SKILLS	EDUCATIONAL ATTAINMENT
	RANK AND SCORE	RANK AND SCORE	RANK AND SCORE
FINLAND	[Rank 1] 1.26	[Rank 1] 1.50	[Rank 3] 0.79
SINGAPORE	[Rank 5] 0.84	[Rank 2] 1.39	[Rank 33] -0.26
UNITED STATES	[Rank 17] 0.35	[Rank 14] 0.44	[Rank 21] 0.16
INDONESIA	[Rank 40]-2.03	[Rank 40]-2.04	[Rank 40]-2.01

The tables shows extracts from The Global Index of Cognitive Skills and Educational Attainment that compares the performance of the 39 countries and one region (Hong Kong) on two categories of education. (The Learning Curve 2012 Report).

Table 2: Country Index of Cognitive Skills and Educational Attainment

Indonesia	
	z-scores
Total	-2.03
COGNITIVE SKILLS	-2
Grade 8	-2
Reading – PISA	-2
Maths - Average of PISA and TIMSS	-2
Science - Average of PISA and TIMSS	-2
Grade 4	-2.1
Reading - PIRLS	-2.7
Maths - TIMSS	-1.5
Science - TIMSS	-2.1
EDUCATIONAL ATTAINMENT	-2
Literacy rate	
Literacy rate (15 and over), %	-2
Graduation rate	
Graduation rate at upper secondary level	-2
Graduation rate at tertiary level	-2.1

Source: The Learning Curve 2012 Report, developed by the Economist Intelligence Unit and published by Pearson. Available online at: http://thelearningcurve.pearson.com

Currently, there are approxiamtely 155,000 teaching staff at institution of higher education in Indonesia. However only an estimated 11,000 of the teaching staff (7%) have doctorates, while 61,000 (39%) have master's degrees. As a consequences, Indonesia highers educations lack of the number of qualified faculty needed to help students develop the knowledge and skills that are key to developing Indonesia's economic competitiveness.

Table 3: Indonesia National Statistics

Indonesia Indicators	PERCENTAGE	YEAR
Public expenditure on education as % of total government expenditure Source: UNESCO Institute for Statistics (UIS)	17.14%	2010
Public expenditure per pupil as % of GDP per capita. All levels Source: UNESCO Institute for Statistics (UIS)	12.18%	2010
Public expenditure per pupil as % of GDP per capita. Tertiary Source: UNESCO Institute for Statistics (UIS)	23.14%	2010
Graduation rate at upper secondary level Source: National Statistics Office	45.47	2010
Graduation rate at tertiary level Source: National Statistics Office	13.48	2010
Labor force. Tertiary attainment (%) Source: ILO	7.10%	2008
Human Development Index Source: UNDP	0.62	2011

The governments of Indonesia recognize a link between the knowledge and skills with wich young people enter the workforce and long-term economic competitiveness for the countries.

2. RECENT EFFORTS IN BUILDING THE RESEARCH AND TEACHING CAPACITY OF INDONESIA EDUCATION

In particular, the Government has strived to increase Indonesian students' performance on international student assessment tests to meet that of its neighbours and economic competitors ASEAN, such as Malaysia and China. Teachers are increasingly being held accountable for poor student performance. As a result, the Government has focused its attention on upgrading its teacher workforce, which has presented a number of challenges. Quality teachers are essential to a successful educational system and, unfortunately, contract teachers are getting left behind in the reform process. The education reforms that are currently being implemented are inadequate in terms of sufficient teacher training facilities as well as poor consideration of teachers' needs. Moreover, other factors that contribute to quality education, such as adequate funding for school infrastructure as well as teaching and learning materials, need to be considered in the context of reforms.



With a workforce of approximately 3.6 million teachers, and about 50 million students in 250,000 schools, Indonesia manages one of the largest and most diverse education systems in the world. This has consequently led to a number of challenges: while primary and secondary school enrolment has increased substantially at the national level, wide regional disparities continue to persist, not only between the provinces but also between districts within the provinces. Children from low-income families in the rural, remote and, thus, poorer parts of the country, are more likely than those children who come from the wealthier districts to drop out of school at the secondary level, without having completed basic education. According to the World Bank, primary school net enrolment levels in Indonesia are below sixty per cent in poorer districts. While net enrolment rates have experienced a steady increase at the lower-secondary and upper-secondary levels, they are still very low compared to other countries in the region.

Uneven distribution of the teacher workforce

The majority of Indonesian teachers do not possess the minimum qualifications required by the Ministry of National Education, and it is estimated that around 600,000 contract teachers are employed throughout the country, largely in the more remote schools, arguably, in provinces and districts with the highest needs for an increased investment in education. Many of these contract teachers earn around a tenth of the salary of a regular teacher (sometimes as low as 5 Euros a month). While pupil-teacher ratios are on average relatively low in Indonesia, the distribution of teachers is highly uneven, resulting in a high number of multi-grade schools in more remote areas. The attempt to address the shortage of teachers by hiring contract teachers has resulted in an oversupply, many of whom are not well-qualified or are forced to share full-time contracts between them.

3. ASEAN RESEARCH CLUSTER ROADMAP

A roadmap for South East Asian Nations (ASEAN) to introduce sustainability education into universities by 2015 is being finalised, with an outline for teaching and research across the region presented to top officials during a meeting in Bangkok.

Policy-makers in fast-growing ASEAN countries are focusing increasingly on sustainable development, which requires a balance between economic growth, social development and environmental protection.

But this needs to filter down to academic research and teaching, particularly as universities are taking on a more important role in tackling global and regional challenges, according to Norizon Mohammed Nor,2011, director of the Centre for Global Sustainability Studies at Universiti Sains Malaysia in Penang.

The plan at the Bangkok meeting of officials of the South East Asian Ministers of Education Organisation, SEAMEO, on 4 April. It was prepared on behalf of Malaysia's Ministry of Higher Education a year after a SEAMEO meeting in Vietnam in March 2011 proposed a new ASEAN agenda on sustainability in higher education.

It is important to draw up a roadmap for universities in the region, the *University World News*. "Universities in ASEAN countries have a very fragmented administrative structure, making it difficult to implement intergovernmental policies. Different departments have different ideas on sustainability." The roadmap comes ahead of the United Nations Conference on Sustainable Development – the Earth Summit – due to take place in Rio de Janeiro in June, often referred to as Rio+20 as it will be 20 years after the first Earth Summit in Rio in 1992.

The UN has launched a programme for sustainable universities and research in advance of what is expected to be one of the largest gatherings of heads of government in over a decade to discuss sustainable development.

The ASEAN roadmap will be "an important step in bringing sustainability principles and practices into the entire fabric of educational systems across the ASEAN region," Often governments had focused on environmental research and education, without relating it to development.

ASEAN member countries like Thailand, Malaysia and Singapore already focus on sustainability in both teaching and research, sharing with other universities in the region. But it is more difficult to make changes in poorer countries such as Myanmar and Cambodia. The assume there will be not the same approach in all countries in ASEAN.

The roadmap will be important for universities to focus research on the 'bottom billion', referring to the world's poorest people.

In some cases this may mean reorienting research.

ASEAN countries are already involved in regional research cluster to target major problems:

- (1) Health and medicine,
- (2) Agriculture and food security,
- (3) Energy,
- (4) Environment and biodiversity, and
- (5) Socialsciences.

The research needs to resolve sustainability problems facing society. The New knowledge is needed to solve new problems.

The roadmap was not just about research but also about including a "sustainability mindset" across all levels of education. At universities this meant making undergraduate teaching less theoretical and more attuned to society.

The roadmap will be one of the main areas of SEAMEO activities for 2012. A more detailed implementation approach will be presented at an ASEAN meeting on 8 May inKualaLumpur. The next step will be to invite all the ASEAN members to make a commitment and endorse with a comprehensive action plan that can start on ASEAN Community 2015.

4. CHALLENGES IN DEVELOPING RESEARCH CAPACITY OF INDONESIA HIGHT EDUCATION LECTURES

For the most part, Indonesian university lecturess tend to receive largely theory based education and training, and simply do not engage in any partical research experience. In addition, student-centered, peoblem-oriented learning materials like case studies are largely absent.

Barriers to the full development of research capacity of Indonesian lectures include:

(1) Limited institutional or financial support available for research,

- (2) Uneven research skills among university lectures from varoius departments,
- (3) Lack of peer and external reviewer mechanisms to ensure quality and relevance of academic research,
- (4) Absence pf a practical link between research and practice.

Further assistance and support will be needed to improve the condition for research, teaching and service requirements of Indonesian University lectures. Some suggestions for improvement of current conditions may include:

- (1) Review of current support systems for academic research,
- (2) Establishment of a practical evidence-based research grant program for lectures,
- (3) Increased numbers of University lectures trained in research methods,
- (4) Provision of information regarding training opportunities abroad,
- (5) Increased number of University jointed in Roadmap ASEAN research Cluster

Table 5 shown that the number research application from 2005 until 2007 increased rapidly on the indutrial research application and also start-up grants with total 2,786 applicant.

The patens application is low than compared with others ASEAN countries like Malaysia, Singapore and Thailand. Indonesia patent application year 2007 only 68 applicant.

Table 5: Industrial and Patent Application Grants in Indonesia High Education

Industrial & patent application grants Industrial (Research Application) Grants Patent Application 2005 **Program** 2006 2007 Year **Application** Total <2000 22 Industrial Research 428 507 418 1353 2000 53 Application 2001 57 Voucher 253 207 149 609 2002 32 350 Start-up Grants 177 297 824 42 2003 (var) 2004 52 Total 858 1011 917 2786 2005 43 2006 50 2007 68 Total 419

The goal of the Indonesian government and the Ministry of Education and Culture (MoEC) to increase the quality and quantity of patent, research, publication conducted by Indonesian universities as well as their capacity to both desiminate that research Internationally and make it accessible to ASEAN region. The experience has demonstrated that this is not simply a matter of training lectures in research techniques and design. It is also a matter of institutional ans systemic reform in policies, procedures, governance structures, and expectations of faculty necessary to realize th research mission envisioned for Indonesia's universities.

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