

**COMPARISON BETWEEN MATHEMATICS EDUCATIONS
IN LAOS AND INDONESIA**

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COMPARISON BETWEEN MATHEMATICS EDUCATIONS IN LAOS AND INDONESIA

(Veunkham Secondary School at Saythany District, Vientiane Capital, Laos and
Lower Secondary School State 9 or SMP N9 at Bandung District, Jawa Barat
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Sebuah Tesis yang diajukan untuk memenuhi salah satu syarat memperoleh gelar
Magister Pendidikan (M.Pd.) pada Sekolah Pascasarjana

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STATEMENT OF AUTHORIZATION

I hereby certify that this thesis entitled “*COMPARISON BETWEEN MATHEMATICS EDUCATIONS IN LAOS AND INDONESIA*” is my own work. It is submitted in partial fulfillment of the requirements for the Master’s Degree in Mathematics Education Program. To the best of my knowledge and belief, it contains no element of plagiarism. I am fully aware that I have quoted statements and idea from a number of sources, and they have been appropriately acknowledged in the thesis.

Bandung, August 2017

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ABSTRACT

The aim of this research is to comparison between mathematics educations in Laos and Indonesia about curriculum, system education, and process teaching and learning mathematics. This research is descriptive qualitative ethnography design. The subjects of this research are students of Veunkham secondary school, Saythany district, Vientiane capital, Laos and lower secondary school state 9 (Sekolah Menengah Pertama Negeri 9: SMP N 9), Jl. Semar No. 5. The technique of collecting the data through observation, interview, and documentation. Research time in the second semester in 2016/2017 academic year. The result 1) the comparison system education in Laos and Indonesia had kindergarten education, primary education, lower secondary education, upper secondary education, technical and vocational education and training, special needs education, non-formal education, religious education and high education; 2) the comparison curriculum in Laos and Indonesia had curriculum kindergarten education, curriculum primary education, curriculum lower secondary education, and curriculum upper secondary education; but Indonesia more one curriculum education was curriculum vocational high education (SMK); 3) the comparison mathematics education (contents K-12) in Laos and Indonesia; and comparison theory in mathematics education in lower secondary school in Laos and Indonesia; and 4) comparison between teaching and learning process of mathematics in lower secondary school in Laos and Indonesia.

Keywords: comparison, curriculum, education, mathematics education, system education.

ABSTRAK

Tujuan dari penelitian ini adalah untuk membandingkan antara pendidikan matematika di Laos dan Indonesia mengenai kurikulum, sistem pendidikan, dan proses belajar dan mengajar matematika. Penelitian ini merupakan penelitian deskriptif etnografi kualitatif. Subyek penelitian ini adalah siswa sekolah menengah Veunkham, kota Saythany, ibu kota Vientiane, Laos dan Sekolah Menengah Pertama Negeri 9 (SMP N 9), Jl. Semar No. 5. Teknik pengumpulan data melalui observasi, wawancara, dan dokumentasi. Waktu penelitian di semester 2 tahun 2016/2017 tahun ajaran. Hasil 1) sistem pendidikan perbandingan di Laos dan Indonesia memiliki pendidikan TK, pendidikan SD, pendidikan SMP, pendidikan SMA, pendidikan teknik dan kejuruan dan pelatihan, pendidikan kebutuhan khusus, pendidikan nonformal, pendidikan agama dan pendidikan tinggi; 2) kurikulum perbandingan di Laos dan Indonesia memiliki kurikulum pendidikan TK, kurikulum SD, kurikulum SMP, dan SMA; tapi Indonesia lebih satu kurikulum kurikulumnya adalah kurikulum SMK; 3) perbandingan pendidikan matematika (isi K-12) di Laos dan Indonesia; dan teori perbandingan dalam pendidikan matematika di sekolah menengah pertama di Laos dan Indonesia; Dan 4) perbandingan antara proses belajar dan mengajar matematika di sekolah menengah pertama di Laos dan Indonesia.

Kata Kunci: membandingkan, kurikulum, pendidikan, pendidikan matematika, sistem pendidikan.

CONTENTS

	Page
STATEMENT OF AUTHORIZATION	iii
LEMBAR PENGESAHAN	iv
ACKNOWLEDGEMENT	v
ABSTRACT	vi
ABSTRAK	vi
CONTENTS.....	viii
LIST OF TABLES	xi
LIST OF FIGURES	xiv
ACRONYMS AND ABBREVIATIONS.....	xv
CHAPTER I INTRODUCTION.....	1
A. Background of Research	1
B. Problem of Research	10
C. Aim of Research	11
D. Benefit of Research	11
E. Operational Definition	12
CHAPTER II LITERITURE REVIEW	13
A. Conceptual Framework and Terminology.....	13
1. Pedagogy.....	13
2. Pedagogic Approaches	14
3. Pedagogic Strategies.....	14
4. Teaching Practices	14
5. Effective Pedagogy	15
B. Theories of Learning	17
1. Behaviorism.....	17
2. Constructivism.....	18
3. Social Constructivism.....	20
4. Critical Pedagogies	21
C. Curriculum	23
1. Curriculum: Power and Social Change.....	25

D. Teacher Education	26
E. Conceptual Framework	28
F. Pedagogy	29
1. Pedagogical Approaches.....	29
2. Pedagogy as Practice	31
3. Pedagogy as Ideas	35
4. Pedagogy and Equity	38
G. Teacher Education	39
1. Initial Teacher Education	39
2. Continuing Professional Development	40
3. Training Unqualified Teachers	42
H. Theory Learning Which Supports	43
I. Hypothesis of Research	44
CHAPTER III: METHIDODOLOGY OF RESEARCH	45
A. Design of Research	45
B. Location, Population and Samples	46
1. Location	46
2. Population and Samples	46
C. Instruments of Research	46
1. Observation	46
2. Interview	47
D. Data Collection	47
1. Qualitative Data Collection in Laos	47
2. Qualitative Data Collection in Indonesia	48
E. Data Analysis	49
1. Phase Qualitative Data Analyzed	49
2. Phase Across-Case Analyzed	49
Chapter IV: ANALYSIS AND RESULT	50
A. Comparison Education System in Laos and Indonesia	50
1. Comparison Education System	50
a. Comparison Kindergarten Education	50

b. Comparison Primary Education	52
c. Comparison Lower Secondary Education	53
d. Comparison Upper Secondary Education	55
e. Comparison Technical and Vocational Education and Training	56
f. Comparison Special Needs Education	58
g. Comparison Non-formal Education	59
h. Comparison Religious Education	60
i. Comparison Higher Education	61
2. Comparison Curriculum in Laos and Indonesia	64
a. Comparison Curriculum Kindergarten Education	64
b. Comparison Curriculum Primary Education	92
c. Comparison Curriculum Lower Secondary Education	191
d. Comparison Curriculum Upper Secondary Education	228
e. Comparison Curriculum Vocational High Education	283
B. Comparison of Mathematics Education	327
1. Comparison Contents Mathematics Education in Laos and Indonesia ...	327
a. Comparison Content Mathematics Kindergarten School	327
b. Comparison Content Mathematics Primary School	338
c. Comparison Content Mathematics Lower Secondary School	354
d. Comparison Content Mathematics Upper Secondary School	364
2. Comparison Theory in Mathematics Education in Lower Secondary School in Laos and Indonesia	372
C. Comparison between Teaching and Learning Process of Mathematics in Lower Secondary School in Laos and Indonesia	392
1. Comparison Observation in the Class in Laos and Indonesia	392
2. Comparison Interview Teachers and Students in Laos and Indonesia	393
a. Comparison Interview Teacher in Laos and Indonesia	393
b. Comparison Interview Students in Laos and Indonesia	399
CHAPTER V CONCLUSION AND RECOMMENDATION.....	408
A. Conclusion.....	408
B. Recommendation.....	414

Bibliography	415
Appendices	441

LIST OF TABLES

Table 1: ASCC Scorecard for Education for Lao PDR	4
Table 2: ASCC Scorecard for Education for Indonesia	5
Table 3: Overview of the Public School System in Lao PDR	8
Table 4: Overview of the Public School System in Indonesia	8
Table 5: Theoretical Schools of Thought and Associated Pedagogies	21
Table 6: Structure of Development Program and Long Learning Kindergarten Education	80
Table 7: Subjects and Schedule Week and Academic Year for Primary Education	94
Table 8: Core Competencies Grade I, II, and III Primary School/Madrasah Ibtidaiyah	104
Table 9: Core Competencies Grade IV, V, and VI Primary School/Madrasah Ibtidaiyah	106
Table 10: Subject of Primary School/Madrasah Ibtidaiyah	108
Table 11: Subjects and Schedule Week and Academic Year for Lower Secondary Education	194
Table 12: Core Competencies of Lower Secondary School/Madrasah Tsanawiyah	202
Table 13: Subject of Lower Secondary School/Madrasah Tsanawiyah.....	205
Table 14: Subjects and Schedule Week and Academic Year for Upper Secondary Education	232
Table 15: Core Competencies of Upper Secondary School/Madrasah Aliyah..	239
Table 16: Secondary Education Subjects [The contents of the curriculum (KI and KD)].....	243
Table 17: Required Subject Curriculum of Upper Secondary School/Madrasah Aliyah	246
Table 18: Specialization Subjects Curriculum in Upper Secondary School/ Madrasah Aliyah.....	249

Table 19: Core Competencies of Vocational High School/Madrasah Aliyah Kejuruan	290
Table 20: Secondary Education Subjects (Specialization subjects consist of academic options for upper secondary school/Madrasah Aliyah).....	293
Table 21: General Subject of Vocational High School/Madrasah Aliyah Kejuruan [Three Years]	296
Table 22: General Subject of Vocational High School/Madrasah Aliyah Kejuruan [Four Years]	297
Table 23: Subject Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Technology and Engineering	299
Table 24: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Information and Communication Technology.....	300
Table 25: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Health Skills.....	302
Table 26: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Agribusiness Expertise and Agro-technology.....	203
Table 27: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Fisheries and Marine Affairs.....	305
Table 28: Subjects of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Business and Management.....	307
Table 29: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Tourism	308
Table 30: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Arts and Crafts	310
Table 31: Subject of Vocational High School/Madrasah Aliyah Kejuruan Expertise Field of Performing Arts.....	311

LIST OF FIGURES

Figure 1: Framework for Understanding the Official and Enacted Curriculum	24
Figure 2: Conceptual Framework: Enabling and Constraining Factors in Effecting Pedagogical Change	28
Figure 3: Sailboat	374
Figure 4: Illustration Sailboats	375
Figure 5: Fabric Surface Illustration	376
Figure 6: Triangle of Origami Paper	379
Figure 7: Four Type of Triangle	383

ACRONYMS AND ABBREVIATIONS

ABL	ASEAN Basketball League
AFTA	ASEAN Free Trade Area
APEC	Asia-Pacific Economic Cooperation
ASCC	ASEAN Socio-Cultural Community
ASEAN	Association of Southeast Asian Nations
BRAC	Bangladesh Rural Advancement Committee
CCE	Child-Centered Education
CPD	Continuous Professional Development
DEBs	District Education Bureaus
ECED	Early Childhood Education
EFA	Education for All
GDP	Gross Domestic Product
GMR	Global Monitoring Report
HDI	Human Development Index
ICT	Information and Communication Technologies
IEA	International Association for the Evaluation of Educational Achievement
INSET	In-Service Training
IPA	Indonesia Petroleum Association
IPS	Indonesia Patisserie School
ITE	Initial Teacher Education
KRTs	Key Resource Teachers
LBFO	Lao Buddhist Fellowship Organization
LCE	Learner-Centered Education
MDG	Millennium Development Goal
MOEC	Ministry of Education and Culture
MORA	Minimum Off Route Altitude
MoSE	Ministry of Education and Sports

MP3EI	Masterplan Percepatan dan Perluasan Pembangunan Ekonomi Indonesia
NCTM	National Council of Teachers of Mathematics
NEU	Guatemalan Nueva Escuela Unitaria
NGO	Non-Governmental Organization
NQTs	Newly Qualified Teachers
NUOL	National University of Laos
ODA	Official Development Assistance
OSIS	Organisasi Siswa Intra Sekolah
PASEC	Programme d'Analyse des Systèmes éducatifs des États et gouvernements membres de la CONFEMEN (Programme of Analysis of Education Systems of CONFEMEN (Francophone countries))
PAUD	Pendidikan Anak Usia Dini
PCK	Pedagogical Content Knowledge
PESs	Provincial Education Services
PIRLS	Progress in International Reading Literacy Study
PISA	Programme for International Student Assessment
PMR	Palang Merah Remaja
PPKn	Pendidikan Pancasila dan Kewarganegaraan
PUFM	Profound Understanding of Fundamental Mathematics
RIVER	Rishi Valley Institute for Educational Resources
SD	Sekolah Dasar
SES	Socio-Economic Status
SMA	Sekolah Menengah Atas
SMK	Sekolah Menengah Kejuruan
SMP	Sekolah Menengah Pertama
TESSA	Teacher Education in Sub-Saharan Africa
TIMSS	Trends in International Mathematics and Science Education Study
TK	Taman Kanak-kanak
TLMs	Teaching and Learning Materials

TVET	Technical and Vocational Education and Training
UIS	UNESCO Institute of Statistics
UKS	Usaha Kesehatan sekolah
UN	United National
UNESCO	United Nations Educational, Scientific and Cultural Organization
WTO	World Trade Organization
ZPD	Zone of Proximal Development