ETAR 2016
Conference Proceeding
Book of Abstracts

3rd International Conference on
Emerging Trends In Academic Research

Venue: Golden Tulip Galaxy Banjarmasin, Indonesia

Editor:
Dr Ahmad Saddam Ph.D.,
Country Director (Global Illuminators Iraq)

Printed and Published by: Global Illuminators Malaysia
# TABLE OF CONTENTS

ETAR 2016 CONFERENCE ORGANIZING COMMITTEE ................................................................. x
ORGANIZED BY ....................................................................................................................... xii
CONFERENCE CHAIR MESSAGE ............................................................................................... xiii
TYPE OF ETAR PAPERS .............................................................................................................. xv
REVIEWING CRITERIA ................................................................................................................ xv
ACKNOWLEDGMENT ................................................................................................................... xv
SCIENTIFIC REVIEW COMMITTEE ............................................................................................. xvii
KEYNOTE SPEAKERS .................................................................................................................. xxix
PROF. DR. GHAZALI BIN SULONG ............................................................................................... xxix
JAY P. SAH (PH. D.) .................................................................................................................... xxx
VIVI ANDASARI (PH.D.) .............................................................................................................. xxxi
ASSOC. PROF. DR. MUHAIMIN ISMOEN .................................................................................... xxxiii
ETAR 2016 TRACK’S CHAIRS ....................................................................................................... xxxv
RATNA SETYANINGRUM & JAY P. SAH .................................................................................... xxxv
ETAR 2016 PANELS .................................................................................................................... xxxvi
BEST PAPER NOMINEE LIST ....................................................................................................... xxxvii
ETAR 2016 BEST PAPER AWARD WINNER ................................................................................. xxxix
ETAR 2016 CONFERENCE COMMITTEE...................................................................................... xli
EXECUTIVE DIRECTOR .............................................................................................................. xlii
GLOBAL ILLUMINATORS ............................................................................................................ xlii
LIST OF CONFERENCE GUESTS ............................................................................................... lvi

## TRACK A: BUSINESS MANAGEMENT & ECONOMIC STUDIES 59

1. E-COMMERCE IMPACT ON INDONESIAN SMALL MEDIUM ENTERPRISE IN ASEAN ECONOMIC COMMUNITY ERA: ECONOMIC EFFECT ......................................................... 60

2. UNDERGRADUATE STUDENTS’ INTEREST TO ENTREPRENEURSHIP AT LAMBUNG MANGKURAT UNIVERSITY ........................................................................................................... 61

3. THE INFLUENCE OF COMPANY AGE AND MANAGER’S EDUCATION ON THE ACCOUNTING INFORMATION APPLICATION IN SMALL AND MEDIUM ENTERPRISES .................................................................

4. MANAGEMENT INNOVATION AS COMPLEMENTARY TECHNOLOGY INNOVATION IN BOOSTING INNOVATION CAPABILITY ........................................................................................................

5. IMPACTS OF OIL PALM ON FARMER’S WEALTH DISTRIBUTION AND POVERTY ALLEVIATION .................................................................................................................................

6. THE ESTABLISHMENT OF CULTURE OF MALL MANAGEMENT WITH MEDIUM INFORMATION MANAGEMENT SYSTEM BASED ON JAVA WEB ........................................................................

7. ANTECEDENT FACTORS IN THE IMPLEMENTATION OF ACCOUNTING SYSTEM AND PERFORMANCE OF INFORMATION SYSTEM (READINESS OF IMPLEMENTATION FOR ACCRUAL BASED REPORTING ON THE LOCAL GOVERNMENT OF KALIMANTAN, INDONESIA) ........................................................................

8. ANALYSIS OF URBAN CONFLICT NETWORK AND METHODOLOGICAL PERSPECTIVE .................................................................................................................................

9. TOWARD ELDERLY FRIENDLY PLACE MANAGEMENT AND STEPS .................................................................................................................................

10. LOWER SECONDARY SCHOOL STUDENTS’ MATHEMATICAL COMMUNICATION BASED ON JAVA WEB .........................................................................................................................

11. THE URGENCY OF LOCAL ACT DRAFT ON SOCIAL RESPONSIBILITY (CSR) IN WAY KALIMANTAN’S SOUTH BARITO CENTRAL KALIMANTAN .................................................................

12. DEVELOPMENT MODULE PHYSICS ON SOLAR TEMPERATURE AND HEAT INTEGRATION MAKING COCONUT OIL ..................................................................................................................

13. THE MEANING OF TRADE FOR THE DAYAK OF SOUTH BARITO CENTRAL KALIMANTAN: THE ADAPTATION TRADING STYLE COMBINED WITH THE USAGE OF VERBAL LANGUAGE ........................................................................

14. COMMUNITY RADIO IN SOUTH KALIMANTAN: DEVELOPMENT AND ISSUES .................................................................................................................................
3. THE INFLUENCE OF COMPANY AGE AND OWNER’S/ MANAGER’S EDUCATION ON THE ACCOUNTING INFORMATION APPLICATION IN SMALL AND MEDIUM ENTERPRISES ................................................................. 62

4. MANAGEMENT INNOVATION AS COMPLEMENTARY OF TECHNOLOGY INNOVATION IN BOOSTING DYNAMIC CAPABILITY .................................................................................................................. 63

5. IMPACTS OF OIL PALM ON FARMER’S WELFARE, INCOME DISTRIBUTION AND POVERTY ALLEVIATION ......................................................................................................................... 64

6. THE ESTABLISHMENT OF CULTURE OF MICRO, SMALL, MEDIUM INFORMATION MANAGEMENT SYSTEM DESIGN BASED ON JAVA WEB ..................................................................................... 65

7. ANTECEDENT FACTORS IN THE IMPLEMENTATION OF ACCOUNTING SYSTEM AND PERFORMANCE OF INFORMATION SYSTEM (READINESS OF THE IMPLEMENTATION FOR ACCRUAL BASED FINANCIAL REPORTING ON THE LOCAL GOVERNMENT IN SOUTH KALIMANTAN, INDONESIA) ................................................................. 66

8. TRACK B: SOCIAL SCIENCES & HUMANITIES .......................................................... 67

9. ANALYSIS OF URBAN CONFLICT NETWORKS: THEORETICAL AND METHODOLOGICAL PERSPECTIVES ................................................................. 68

10. TOWARD ELDERLY FRIENDLY PLACE MAKING: CONCEPTS AND STEPS ............................................................................................................................... 69

11. LOWER SECONDARY SCHOOL STUDENTS’ WRITTEN MATHEMATICAL COMMUNICATION BASED ON GENDER ............................................................. 70

12. THE URGENCY OF LOCAL ACT DRAFT ON CORPORATE SOCIAL RESPONSIBILITY (CSR) IN WAY KANAN ......................................................................................................................... 71

13. DEVELOPMENT MODULE PHYSICS ON SUBJECT MATTER TEMPERATURE AND HEAT INTEGRATION LOCAL WISDOM IN MAKING COCONUT OIL ................................................................................................................................................................................................. 72

14. THE MEANING OF TRADE FOR THE DAYAK ETHNIC PEOPLE OF SOUTH BARITO CENTRAL KALIMANTAN (AN ANALYSIS IN THE ADAPTATION TRADING STYLE COMMUNICATION AND THE USAGE OF VERBAL LANGUAGE) ......................................................................................................................... 73

15. COMMUNITY RADIO IN SOUTH KALIMANTAN: DEVELOPMENT AND ISSUES ......................................................................................................................... 74
15. CITY BRANDIMG BANJARMASIN BAIMN BY SOCIAL MEDIA
AND BELOW THE LINE MEDIA .............................. 75
16. REDOX REACTION LEARNING BY USING FIELD DEPENDENT-
FIELD INDEPENDENT COGNITIVE STYLE BASED MODEL. 76
17. THE CORRELATION BETWEEN INTELLIGENCE WITH SOCIAL
INTERACTION ON STUDENT OF GUIDANCE AND COUNSELING
DEPARTMENT FACULTY OF TEACHER TRAINING AND
EDUCATION UNLAM BANJARMASIN .......................... 77
18. MORAL JUDGEMENTS AND GENDER OF THE STUDENTS IN
TEACHING AND LEARNING IN CIVICS EDUCATION .... 78
19. ECONOMIC DEVELOPMENT STRATEGY OF COASTAL
COMMUNITY IN KOTABARU REGENCY .................... 79
20. DIAMOND TRADER PRACTICE: ACCESS AND UTILIZE CAPITAL
ON DIAMOND TRADING IN MARTAPURA, SOUTH BORNEO 80
21. THE EFFECT OF INSTRUCTIONAL STRATEGIES ON STUDENT
ACHIEVEMENT IN PHYSICS: A META-ANALYSIS STUDY
VIEWED FROM TOPICS OF PHYSICS AND KINDS OF STUDENT
ACHIEVEMENTS .................................................. 81
22. COGNITIVE CONFLICT ASSIGNMENT STRATEGY IN
MATHEMATICS INSTRUCTION ......................... 82
23. CHANGING PARADIGM OF INTELLIGENCES THROUGH
IMPLEMENTATION OF MULTIPLE INTELLIGENCES THEORY IN
SCIENCE CLASSROOM ........................................ 83
24. RURAL COMMUNITY BEHAVIOR IN THE FRAMEWORK
OF COMMUNITY EMPOWERMENT FOR SUSTAINABLE
CONSERVATION FOREST MANAGEMENT ...................... 84
25. THE MAPPING OF FLOOD RISK AREA .......... 85
26. ANALYSIS OF POTENTIAL MANDIRI AREAS CULINARY
TOURISM (KWKM) IN POST STREET BANJARMASIN ....... 86
27. CHARACTERISTIC AND PATTERN OF COAL MINING IN
KUTAI KARIANNEGARA REGENCY, EAST KALIMANTAN
PROVINCE ...................................................... 87
28. INDIGENOUS CONSERVATION OF SUGAR PALM FOR
ECONOMIC RESILIENCE IN PAPUYAN VILLAGE, SOUTH
KALIMANTAN INDONESIA .................................. 88
29. SURVEY ON CHARACTERIZATION OF ALGEBRAIC THINKING
OF PRIMARY SCHOOL STUDENTS ............................... 89
30. HYBRID EDGE DETECTION FOR HIGH PERFORMANCE STEGANOGRAPHY .......................................................... 90

31. POLITICAL CLIENTELISM IN CENTRAL KALIMANTAN: EVIDENCE OF DECENTRALIZATION AND DEMOCRATIZATION PROBLEMS IN LOCAL REGION ...................................................... 91

32. CHARACTER DEVELOPMENT OF INDEPENDENCE AND RESPONSIBILITY IN THE RIVERBANK JUNIOR HIGH SCHOOL STUDENTS IN BANJARMASIN THROUGH NUMBER HEAD TOGETHER (NHT) ................................................................. 92

33. THE DIFFERENCE OF SELF REGULATED LEARNING BASED ON GENDER IN SMPN 3 BANJARMASIN ................................................................. 93

34. THE IMPLEMENTATION OF COOPERATIVE LEARNING MODEL BASED ACSI (ACTION CARDS SPEAK INDEPENDENT) TO IMPROVE LEARNING OUTCOMES AND STUDENTS’ MOTIVATION IN THE SCHOOL CHEMISTRY 1 SUBJECT OF CHEMISTRY EDUCATION STUDY PROGRAM FKIP ULUM ..... 94

35. DEVELOPING OF STUDENTS’ BOOK BY CHARACTERIZED REALISTIC MATHEMATICS EDUCATION ON TRIANGLE IN CLASS VII OF JUNIOR HIGH SCHOOL STUDENTS ...................................................... 95

36. SIYAKHULISA IS AN EARLY CHILDHOOD DEVELOPMENT (ECD) INTERVENTION PROJECT AIMED AT IMPROVING THE KNOWLEDGE AND SKILLS OF EARLY CHILDHOOD DEVELOPMENT PRACTITIONERS IN TOWNSHIPS IN SOUTH AFRICA ................................................................................ 96

37. LEARNING BARRIER AND LEARNING MOTIVATION OF NURSING STUDENTS IN POLTEKKE BANJARMASIN ...... 97

38. MANAGEMENT PROFILE OF TRADITIONAL CRAFT IN CITY-BASED REGION AND CRAFT MANAGEMENT IN FARM-BASED REGION ............................................................................................................. 98

TRACK C: ENGINEERING & TECHNOLOGY STUDIES .......... 99

39. PROTOTYPE PROFILE MATCHING FOR SELECTION DECISION SUPPORT POSITIONS IN PARTICULAR THE COMPANY OR GOVERNMENT .................................................................................................................. 100

40. THE DEVELOPMENT OF MEDIA GAME CONTROL BASED ON ADOBE FLASH IN IMPROVING ARABIC VOCABULARY FOR STUDENT MTS .................................................................................................................. 101

41. THE IMPLEMENTATION OF MOVIE MAKER MEDIA IN INDONESIAN LANGUAGE COURSE FOR THE MILD MENTALLY
| RETARDED STUDENTS | 102 |
| 42. MODELLING THE RELATIONSHIP BETWEEN MATERIAL WASTE GENERATION AND NVAAS IN CONSTRUCTION WORK | 103 |
| 43. WOOD MATERIAL GRADING PROCESS AUTOMATION USING BACKPROPAGATION ARTIFICIAL NEURAL NETWORK | 104 |
| 44. ESTIMATION EROSION BASED GEOGRAPHIC INFORMATION SYSTEM FOR RATING CHARACTERISTICS OF WATERSHED TABUNIO IN THE DISTRICT OF TANAH LAUT | 105 |
| 45. LAND COVER CHANGES THROUGH GEOGRAPHIC INFORMATION SYSTEMS IN ORDER TO DETERMINE CARRYING CAPACITY OF SATUI WATERSHED SOUTH KALIMANTAN PROVINCE | 106 |
| 46. EVALUATION OF TIDAL AND CHANNEL GEOMETRY EFFECTS TO DISSOLVED IRON ACCUMULATION PATTERN IN TERANTANG RECLAMATION CHANNEL | 107 |
| 47. THE EFFECTIVENESS OF CHARCOAL POWDER SIZE IN BIOGAS PURIFICATION | 108 |
| 48. UTILIZATION OF FLY ASH, PALM-PRESSED FIBERS, AND EMPTY FRUIT BUNCHES OF OIL PALM IN LIGHTWEIGHT CONCRETE | 109 |
| 49. IRRIGATION REQUIREMENT AND WATER AVAILABILITY ANALYSIS FOR JEJANGKIT II AREA | 110 |

**TRACK D: PHYSICAL LIFE AND APPLIED SCIENCES**

| 50. ADAPTATION OF FARMERS WETLANDS ON WATER PURIFICATION TECHNOLOGY THE MANDASTANA VILLAGE, SOUTH KALIMANTAN | 112 |
| 51. HABITAT AND PHYTOCHEMICAL ANALYSIS OF RED GEMOR (NOTAPHOEBE CORIACEA (KOSTERM)) ON PEAT-SWAMP FOREST AREAS, CENTRAL KALIMANTAN | 113 |
| 52. AGROFORESTRY CONCEPT ON PEAT LAND AREAS BASED ON JELUTUNG IN CENTRAL KALIMANTAN | 114 |
| 53. THE INFRASPECIFIC VARIABILITY OF INDONESIAN CEMPEDAK (ARTOCARPUS INTEGRUM (THUNB.) MERR.) BASED ON MORPHOLOGICAL CHARACTERS | 115 |
| 54. CHARACTERISTICS OF WATER RETENTION OF OMBROTROPIC PEATS UNDER DIFFERENT LAND USES | 116 |

| 55. MORPHOLOGICAL CHARACTERIZATION OF COLLETOTRICHUM SPECIES AGENT ANTHRACONE ON RED PAPER FROM INDONESIA | 118 |
| 56. SOIL SURFACE PROPERTIES CONTROL OF ORGANIC CARBON ON THE RAIN FOREST TROPICAL TIDAL SWAMPLANDS | 119 |
| 57. THE CORRELATION BETWEEN COMPATIBILITY AND MATHEMATICAL LEARNING | 120 |
| 58. CHARACTERIZATION AND DERIVATION BLACK LIQUOR OF EMPTY FRUIT BUNCHES PROCESS | 121 |
| 59. PHYSICAL LIFE AND APPLIED SCIENCE ON PHYSICS MODULE ON LIFELONG FLOATING MARKET CULTURE | 122 |
| 60. OPTIMAL INVENTORY CONTROL SYSTEM FOR DEMAND | 123 |
| 61. DIVERSITY OF WATERBIRDS IN THE BEAUPT ADARO INDONESIA, SOUTH KALIMANTAN | 124 |
| 62. BIODIVERSITY OF TABUKAN SOUTH WETLANDS: EXPLOITATION OF WEEK (ELEOCHARIS DULCIS) IN SUPPORT OF ECOSYSTEMS AND ENVIRONMENT | 125 |
| 63. RURAL COMMUNITY BEHAVIOR IN THE CONTEXT OF COMMUNITY EMPOWERMENT FOR CONSERVATION FOREST MANAGEMENT | 126 |
| 64. PRODUCTION OF CETANE IMPROVEMENT (RICINUS COMMUNIS); OPTIMIZATION ACETIC ANHYDRIDE TO METHYL JUICE AND REACTION TIME | 127 |
| 65. STUDY NANOCHLOROPHYLL ELEOCHLORPHOTOSENSITIZER EKSOGEN ORGANIC THERAPY | 128 |

**TRACK E: HEALTH & MEDICINE STUDIES**

| 66. THE ROLE OF COMMUNITY LEADER IN THE MANAGEMENT OF DIARRHEA IN SUB DISTRICT PARINGIN CASE STUDY: CSR PROGRAM PT ADARO INDONESIA | 130 |

---

**3rd International Conference on Emerging Trends In Academic Research**

(ETAR-September, 26-27, 2016)

Global Illuminators, Kuala Lumpur, Malaysia.
Adaptation of Farmers Wetlands on Water Purification Technology the Mandastana Village, South Kalimantan

Suryadi, Budi¹, Syahrida², Abdurahman, Husein³
¹,²,³ Lambung Mangkurat University, Indonesia

Abstract

Mandastana village denotes wetlands village, have small rivers throughout home residents. For daily activities, farmers used river water mentioned for need wash, bath, cooking and drinking. Subsequently in progress farmers receive assistance for water purification technology for needs, cooking and drinking. Research method used a qualitative approach with a variant of phenomenology. Data collection techniques used a thick description while data analysis used interactive model with four grooves that are data collection, data reduction, data presentation and conclusion continuously until saturated. Conclusion adaptation of farmers’ wetlands toward water purification technology to use resulting water, no operating and maintenance tool for water purification technology. If program operating water purification technology finished accordingly farmers back are doing original habit to use river water for needs, cooking and drinking.

Keywords: Adaptation Farmer, Wetland, Water Purification Technology

*All correspondence related to this article should be directed to Suryadi, Budi, Lambung Mangkurat University, Indonesia
Email: budisuryadi@unlam.ac.id

Habitat and Phytochemical Analysis of Nothaphoebe coriacea (Kosraea) in Forest Areas, Central Kalimantan, Indonesia

Yudi Firmanul Ariffin¹
¹ Lambung Mangkurat University, Indonesia

Abstract

Red gemor is one of the forest products that can be used for the manufacture of medicine and can be collected by farmers for sale. The selling price of 1 kg of red gemor is Rp. 3,000.00-5,000.00 per kg. These conditions make gemor a very acidic bark. However, the red gemor topography is not optimal to live in a forest habitat. The red gemor needs N, P and C at a ratio of 100g, and 3.78-9.29% respectively. Phytochemical analysis of red gemor is done and show that red gemor also contain secondary metabolites, alkaloids, flavonoids, and phenolic compounds. Flavonoids and phenolic compounds can be used as insect repellent. These characteristics make red gemor are potential as an insect repellent.

Keywords: Red Gemor, Habitat, Phytochemical Analysis

*All correspondence related to this article should be directed to Yudi Firmanul, Lambung Mangkurat University, Indonesia
Email: yudifirmanul@yahoo.com
MISSION
“Our mission is to persistently nurture the values to promote the human rights, institutional and academic development through quality research contributions. Our unique human capital with constructive attitude is committed to bring change in all spheres of life by using innovative research and intellectual skills. We are here to research and promote the development, prosperity and transparency across the globe without any discrimination”.

VISION
“Researching and Developing for Humanity”
International Conference on
“EMERGING TRENDS IN ACADEMIC RESEARCH”
(3rd ETAR - 2016)