2nd INTERNATIONAL CONFERENCE ON Regional Challenges to Multidisciplinary Innovation

October 05-06, 2016 Dubai, UAE



Organized by:



Global Illuminators

Researching and Developing for Humanity



RCMI 2016 Conference Proceeding Book of Abstracts

2nd Internationl Conference on "Regional Challenges To Multidisciplinary Innovation

Venue: Hotel Grand Flora Dubai, UAE

Editor:

Dr. Ahmad Saddam Ph.D.

Country Director (Global Illuminators Iraq)

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Conference Chair Message

Farooq Ahmed Jam (Ph.D.)

2nd International Conference on "Regional Challenges to Multidisciplinary Innovation" (RCMI-2016) platform that aims to help the scholarly community across nations to explore the critical role of multidisciplinary innovations for sustainability and growth of human societies. This conference provides opportunity to the academicians, practitioners, scientists, and scholars from across various disciplines to discuss avenues for interdisciplinary innovations and identify effective ways to address the regional and global challenges faced by our societies. The research ideas and studies that we received for this conference are very promising, unique, and impactful. I believe, these studies have the potential to address key challenges in various sub-domains of social sciences and applied sciences. The scholars attending this conference will certainly find it helpful in refining their own research ideas, finding solutions to basic/applied problems they face and interacting with other renowned scholars for possible future collaborations.

I am really thankful to our honorable scientific and review committee for spending much of their time in reviewing the papers for this event, selecting the best paper awards and helping the participants in publishing their research in affiliated journals. Also special thanks to all the session chairs from industry, academia and policy-making institutions who volunteered their time and support to make this event a success.

A very special thanks to the great scholars for being here with us as key note speakers. Their valuable thoughts will surely open the horizon of new research and practice for the conference participants coming from across the globe. I am also thankful to all the participants for being here with us to create an environment of knowledge sharing and learning. We the scholars of this world belong to the elite educated class of

this society and we owe a lot to return back to this society. Let's break all the discriminating barriers and get free from all minor affiliations. Let's contribute even a little or single step for betterment of society and welfare of humanity to bring prosperity, peace and harmony in this world. Stay blessed.

Type of RCMI Papers

For this year, RCMI has two types of papers: *Empirical Studies* and *Insight*. Research papers meet the needs of researcher and are reviewed on the basis of highest academic standards. The objective of the academic paper is to contribute to the scientific body of knowledge. On the contrary, Insight papers meet the needs of policy makers and professionals and are reviewed on the basis of high practical standards. The objective of the Insight is to identify the real world problems and how they can be solved with the help of information systems.

Reviewing Criteria

In RCMI all papers are judged on the same criteria (relevance, significance, originality, validity and clarity). However some criteria differ between the Research papers and Insight papers.

Relevance: Relevance has a great impact on the theme of the conference. The material is relevant and according to the theme of the conference.

Significance: Knowledge in different researches in the conference is related to research papers and insight papers.

Originality: Ideas that are new for the researchers are used in the conference.

Validity: Research papers in the conference are based on theory while the insight papers in the research are based on experimental researches. References are according to content.

Clarity: Papers are according to the format, language is easy and understandable by the audience in the conference.

Acceptance Rates

Full Research Papers				
Submitted Papers Withdrawn Unqualified Papers Rate				
44	35	5	3	79%

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Acknowledgment

A huge number of people helped in conducting the conference. First of all thanks to all the members of the Conference and Program Committee and representatives of the RCMI board and their helpers. We also want to thank all the Track Chairs, and reviewers, as well as all the members of the Scientific Committee for their help in the review process and organizing the tracks and special sessions. We thank everyone for their hard work and dedication to this conference and we look forward to the latest episode of the RCMI tradition.

Farooq Ahmed Jam (Ph.D.), Tariq Iqbal Khan (Ph.D.) Program Chair & Co-Chair

INTERNATIONAL SCIENTIFIC REVIEW COMMITTEE RCMI-2016

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Ling Tung University Taiwan

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Tehran University of Medical Sciences Iran

Zhou Rui-Hua

School of Public Health, North China University Of Science And Technology

KEYNOTE SPEAKER

Clara Evi Citraningtyas



Clara Evi Citraningtyas is a profound scholar from Indonesia whose research spans a diverse range of educational fields, but is broadly unified by her longstanding interests in the ideology and pedagogy of texts, and global

shifts on children's literature in education and culture. Her principal impact on international scholarship and research has been in the field of folktale reconstruction. Her research currently focuses on the impact of folktale reconstruction on the education of children.

Clara graduated from the English Department Universitas Diponegoro Indonesia. She was awarded John Crawford Scholarship Scheme to pursue her Master of Arts in English literature at Macquarie University Australia. She, then, earned her Doctor of Philosophy (Ph.D.) in literature from Macquarie University under the AusAid Scholarship programme.

Clara is now a full time lecturer at Universitas Pelita Harapan in Indonesia. She has taught a number of literature courses, as well as language and culture courses. Her current published books are What We Can Learn from Japan's Earthquake, Tsunami, and Nuclear Radiation (2011), Sastra Dunia (2012), Cintarela and the Kind Stepmother (2013), Nilam Kandung (2014), Apresisasi Sastra Asia (2015), Modern Indonesian Folktales 1 (2015). Clara was a recipient of a prestigious and competitive Indonesian government research grant

in 2012 - 2014, and again received the same grant for 2015 - 2017 for her research on folktale reconstruction throughout Indonesia.

RCMI 2016 Tracks' Chairs

Business, Management Economics Studies & Social Sciences

Rer. pol. habil. Martin Kloyer & Tariq Iqbal Khan Muzamil

Health and Medicine Studies

Cuarteros, Joseph Bangayan & Traiq Iqbal Khan

Engineering, Technology Studies, Physical Life & Applied Sciences

Cuarteros, Joseph Bangayan & Clara Evi Citraningtyas

RCMI 2016 Panels

"Role of Multidisciplinary Academic Research and Technology in Innovation"

Moderator: Dr. Tariq Iqbal Khan Dr. Clara Evi Citraningtyas

This Panel discussion will take place to examine the role of Multidisciplinary Academic Research in innovation. The Panel members will look at many aspects of the links between science and society — in various aspects and possible future directions will be suggested. Panel members are invited in their capacity as research professionals to present their personal perspectives on the changing role of Multidisciplinary academic research and technology in development in innovation in this open forum. From this blunt and powerful exchange, a number of general observations and conclusions will be emerged that are relevant to the concept and agenda of the RCMI Conference. These are accompanied by suggestions for action recommended by some or several participants.

Best Paper Nominee List

ITIL: Implementation and Service Management Best Practices in Malaysian Academic Libraries

Zainab Ajab Mohideen*, Kiran Kaur, Sukmawati Muhamad, Noor Azlinda Wan Jan, A Basheer Ahamadhu, University Science Malaysia

Reconstructing 'Batu Nong' and Gender Relations in Indonesia

Clara Evi Citraningtyas Universitas Pelita Harapan,Indonesia

Influence of Core Stabilization on the Strength of the Hip Abductor in Standing

Oh-yun Kwon*, Jeon Incheol, Ui-Jae Hwang, Sung-Hoon Jung, Jun-Hee Kim,

Yonsei University, South Korea

An Analysis of Gulf College Students' Discourse Skills Using Hoey's Model

Cuarteros, Joseph Bangayan Gulf College, Sultanate of Oman, Oman

RCMI 2016 Best Paper Award Winner

Influence of Core Stabilization on Strength of Hip Abductor in Standing

Oh-yun Kwon*, Jeon Incheol, Ui-Jae Hwang, Sung-Hoon Jung, Jun-Hee Kim,

RCMI 2016 Conference Committee

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CONFERENCE PROGRAM

DAY 01 Wednesday (October 5, 2016)

Welcome Reception & Registration

8:15 am - 9:00 am

<u>Opening Ceremony (09:00 am - 10:15 am)</u>

Venue: Room 1

09:00 am - 09:10am	Welcome Remarks - Dr. Felicia Chong (Ph.D.)	Head of Org. Committee RCMI-2016 Executive Vice President and Chief Financial Risk Officer Global illuminators
09:10 am - 09:25am	Opening Speech - Dr. Tariq Iqbal Khan (Ph.D.)	Conference Co-Chair- RCMI-2016 Director Global Operations Global Illuminators
09:25 am - 09:35am	Keynote Speech - Dr. Clara Evi Citraningtyas	Universitas Pelita Harapan, Indonesia
09:35 am - 09:50am	Group Photo & Award Ceremony	

Grand Networking Session and Tea Break (09:50 am - 10:15 am)

^{2&}lt;sup>nd</sup> International Conference on Regional Challenges to Multidisciplinary Innovation Research (RCMI-2016)

DAY 01 Wednesday (October 5, 2016)

Session 1 (10:15 am - 1:100 pm)

Venue: Room 1

Session Chairs: Rer. pol. habil. Martin Kloyer & Tariq Iqbal Khan Track A: Business, Management Economics Studies & Social Sciences

Truck in Business, management Bedromes Studies & Social Sciences				
RCMI-16-158	The Correlation Between Intelligence With Social Interaction on Student of Permatasa			
	Guidance and Counselling Department Faculty of Teacher Training and			
	Education Unlam Banjarmasin			
RCMI-16-156	Physics learning Based on Wetland and Banjarnese Culture	Dewi Dewantara,		
RCMI-16-161	Optimal Inventory Control System with Stocastic Demand	Pardi Affandi		
RCMI-16-162	Characteristic and Pattern of Coal Mining in Kutai Kartarnegara Regency, East	Nasruddin Luthfie,		
	Kalimantan Province			
RCMI-16-151	Relationship Between Hygiene and Sanitation with the Bacteriological Quality of	Lenie Marlinae		
	Drinking Water Depots in Balangan District			

Lunch Break: (01:00 pm – 02:00 pm)

DAY 01 Wednesday (October 5, 2016)

Panel Discussion Session (2:00 pm – 3:00 pm) Venue: Room 1 Panel Discussion*

"Role of Multidisciplinary Academic Research and Technology in Innovation"

Panellists	Dr. Tariq Iqbal Khan Dr. Clara Evi Citraningtyas
Participants	All Participants

This Panel discussion will take place to examine the role of Multidisciplinary Academic Research in innovation. The Panel members will look at many aspects of the links between science and society — in various aspects and possible future directions will be suggested. Panel members are invited in their capacity as research professionals to present their personal perspectives on the changing role of Multidisciplinary academic research in development of society and governance in this open forum. From this blunt and powerful exchange, a number of general observations and conclusions will be emerged that are relevant to the concept and agenda of the RCMI Conference. These are accompanied by suggestions for action recommended by some or several participants..

DAY 01 Wednesday (October 5, 2016)

<u>Session 3 (03:00 pm – 04:30 pm)</u> Venue: Room 1

Session Chairs: Rer. Pol. Habil. Martin Kloyer & Muzamil Track B: Social Sciences & Humaities

RCMI-16-118 Itil: Implementation and Service Management Best Practices in Malaysian Zainab Ajab Mohideen Academic Libraries RCMI-16-139 A Critical Evaluation of the State of the Teaching of Indigenous Languages Mokgale Makgopa in the Universities of South Africa: A Multidisciplinary And Interdisciplinary Approach in the Social Sciences. Reconstructing 'Batu Nong' and Gender Relations In Indonesia RCMI-16-140 Clara Evi Citraningtyas Re-Hardwiring the Cultural and Philosophical Infrastructure of Iran for A RCMI-16-143 Samin Rezaei Better Management RCMI-16-148 An Analysis of Gulf College Students' Discourse Skills Using Hoev's Cuarteros, Joseph Model Bangayan

Tea Break: (04:30 pm – 04:45 pm)

^{2&}lt;sup>nd</sup> International Conference on Regional Challenges to Multidisciplinary Innovation Research (RCMI-2016)

DAY 01 Wednesday (October 05, 2016)

<u>Session 4 (03:45 pm – 05:15 pm)</u> Venue: Room 1

Session Chairs: Cuarteros, Joseph Bangayan & Clara Evi Citraningtyas

Track C: Engineering, Technology Physical And Applied Sciences

	Track C. Engineering, Technology Thysical And Applied Sciences	,
RCMI-16-154	The Implementation of Movie Maker Media in Indonesian Language Course for the Mild mentally retarded Students	Drs. Hamsi Mansur
RCMI-16-156	Physics learning Based on Wetland and Banjarnese Culture	Misbah
RCMI-16-157	Kindness of Fishing Gear on Sea Water in Tanah Laut Region	Rusmilyansari
RCMI-16-161	Optimal Inventory Control System with Stocastic Demand	Pardi Affandi
RCMI-16-166	Rural Community Behavior In The Framework of Community Empowerment for Sustainable Conservation Forest Management	Fauzi, Hamdani
RCMI-16-167	Production of Cetane Improver Use Castor Oil (Ricinus Communis): Optimazion of Mol Ratio of Acetic Anhydride to Methyl Ricinoleate (Aa:Mr) And Reaction Time	Abdullah

DAY 01 Wednesday (October 5, 2016)

<u>Session 4 (4:45 pm – 5:15 pm)</u> Venue: Room 1

Session Chairs: Cuarteros, Joseph Bangayan & Traiq Iqbal Khan

Track B: Health and Medicine Studies

RCMI-16-144	Influence of Core Stabilization on Strength of Hip Abductor in Standing.	Jeon Incheol
		Oh-yun Kwon

Closing Ceremony (5:15 pm – 5:45 pm)

LIST OF CONFERENCE ATTENDEE(s)

The following scholars/practitioners/educationists don't have any paper presentations; however they will be attending the conference as delegates and observers.

ID	Name	Affiliation	Country
RCMI-16-128	Dr. rer. pol. habil. Martin Kloyer	University of Greifswald	Germany

DAY 02 Thursday, (October 6, 2016)

"CITY TOUR"

Gathering of Participants at the Lobby of Hotel Grand Flora Dubai, UAE at 2:00 pm

Departure: 2:30 pm for City Tour

Drop Back at Hotel Grand Flora Dubai, UAE at 9:00 pm

Important Note: This tour is organized by Global Illuminators and entry to this tour is free for all participants. You may also bring your Siblings/Family/Friends but you have to register for them on registration desk on day 1 of conference.



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TRACK A: BUSINESS MANAGEMENT & ECONOMIC STUDIES



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Management Innovation as Complementary of Technology Innovation in Boosting Dynamic Capability

Ismi Rajiani¹, Hairul²

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Abstract

Technological innovation with related notions as well as diffusion and adoption has dominated innovation research. However, falling trade barriers, decreasing transaction costs, stagnating developed markets and overheating emerging markets are forcing firms to look for other areas in which to innovate as a means of gaining and maintaining competitive advantage. Management innovation is changing the nature of management within organizations by, for instance, adapting organizational structures, processes, and practices to generate a valuable source of competitive advantage. Scholars have started emphasizing that, in order to capture the full benefits of innovation, technological innovation needs to be combined with management innovation. Ironically, despite the recent surge in academic interest, management innovation remains an under-researched topic. To fill the gap, in this paper we will conceptualize management innovation to clarify understanding of management innovation, its underlying dimensions, antecedents, impact on performance as well as the contextual factors that affect management innovation. As most innovations are related to product development, this study highlights management practices as a process innovation in responding to the current trend. While there is a growing body of in-depth qualitative research that provides insight into the sequence of events that occur during process innovation, these highly context-dependent studies have not systematically analysed the organizational capabilities related to fuel management innovation. This way, Structural Equation Modelling (SEM) is used to spot the terrain for further study. Finally, the model is expected to support The Ministry of Science, Technology and Innovation's policy is boosting commercialization of innovative product.

Keywords: Management Innovation, Technology Innovation, Capability, Complementary

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^{2&}lt;sup>nd</sup> International Conference on Regional Challenges to Multidisciplinary Innovation Research (RCMI-2016)



Abstract Proceeding Book RCMI- October 05-06, 2016 Dubai, UAE

ISBN: 978-969-9948-58-9

Personality Traits and Attitude towards Risk: Moderating Role of Financial Knowledge

Irfan Ahmed*

Riphah International University Islamabad, Pakistan

Abstract

With a diverse sample of (N=220) of students from various universities in Pakistan and investor of stock market the author tested the main effect of personality traits on attitude towards risk. They also examine the moderating effect of financial knowledge between personality traits and risk aversion. The findings of study provide support for only two direct proposed hypothesis. Our findings show that extroversion personality trait has positive correlation with attitude towards risk and conscientiousness has negative correlation with attitude towards risk. But moderation role of financial knowledge between big five personality traits and attitude towards risk was not supported in our study.

Keywords: Personality Traits, Attitude, Knowledge, Risk

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Impact of Interest Rates on Stock Index: Case of Karachi Stock Exchange

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Abstract

Purpose of the paper was an attempt to trigger out the connection between interest rates (Karachi Inter Bank Offer Rate) of different maturities and the stock index. For proposed connection, model was developed and certain statistical tests were applied. Monthly stock prices of KSE-100 and Karachi Inter Bank Offer Rates of 5 different maturities were taken ranging from 2005 to October 2014. Descriptive and Correlation regression analysis were used to explain the relationship that was significant but inverse. Stock market in Pakistan is highly influenced by political situations prevailing in the country. Stock market is considered as interpreter of the economy. Many factors other than interest rates influence the stock market; one basic factor was selected for study purpose and conclusions were drawn. This study would be helpful for demonstrating investment decisions of the investors who invest their resources in stock market by borrowing at a prescribed rate.

Keywords: Stock Index, Efficient Market, Stock Returns

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TRACK B: SOCIAL SCIENCES & HUMANITIES



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A Critical Evaluation of the State of the Teaching of Indigenous Languages in the Universities of South Africa: A Multidisciplinary and Interdisciplinary Approach in the Social Sciences

Mokgale Makgopa¹, Ms Mmaphuti Mamaleka² 1,2 University of Venda, South Africa

Abstract

This paper aims at a survey on the teaching of Indigenous African Languages in the 26 universities of Higher Learning South Africa taking into account the value and significance of multidisciplinary and interdisciplinary approach. The constitution of South Africa of 1994 recognizes eleven official languages which must be given equal and fair treatment in terms of their promotion and usage. The paper shall use a mixed mode approach that is mainly based on phenomenological approach as the most dominant approach in data collection. Information is primarily based on the statistics obtained from the Department of Higher Education and Training (DHET), the Ministry responsible for Higher Education in South Africa. The Higher Education Management Information Systems (HEMIS) will also be used as the main source for information as it provides statistical information about the subject under investigation. The South African legislation on the teaching, documentation and preservation of the African Languages through the Ministry of Arts and Culture will also form part of the study. Analysis of the impact of the new dispensation on the teaching of African languages in Higher Education shows a worrisome picture since implementation of policies is still a serious challenge. The paper will also report on the results of testing the hypothesis, which aims to verify whether the teaching of these languages encourages growth, development and sustainability within the South African context as compared to prior 1994.

Keywords: Indigenous Languages, Teaching and Learning, Higher Education, Multidisciplinary and Interdisciplinary approach, phenomenological approach, sustainability

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ITIL: Implementation and Service Management Best Practices in Malaysian Academic Libraries

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Abstract

An organization which delivers Information Technology (IT) services to the customers reflects the presence of an existing framework within the services. The IT services indicate the presence of IT systems in an organization. The delivered IT systems and services indicate the presence of Information Technology Service Management (ITSM) within an organization. This study is conducted in Malaysian academic libraries. The library is the knowledge servicing department in a higher learning institution. The library serves the knowledge in a form of digital services. Hence, the IT implementation and service management in the library has increased the system usage over the years. The ITIL framework is adopted for IT governance and ITSM to fill the gap of digital information services. There are two main IT services in the library, which are the digital information and IT infrastructure. These services are aligned with existing standardization of IT service in the library.

Keywords: ITIL, ITSM, IT Governance, Library Services, Academic Library

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Reconstructing 'Batu Nong' and Gender Relations in Indonesia

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Universitas Pelita Harapan, Indonesia

Abstract

This paper addresses the need to reconstruct folktales that are not anymore suitable for today's society. It has been widely known that folktales are one of the many important tools to educate children, to be acceptable members of society. However as societies and values grow, many folktales remain static. This causes disconnection in the education of young generation. In this paper, an Indonesian folktale titled 'Batu Nong' is discussed in relation to gender equality in Indonesia. It is a tale about a husband who is cursed to be a stone for doing a task that is supposed to be a woman's task. Although there are strong campaigns for gender equality in Indonesia, folktales that discourage gender equality are equally maintained. As a result, a recent World Economic Forum ranked Indonesia at 95 among 135 countries in terms of gender equality. This fact underlines the urgency of rewriting and reconstructing Indonesian folktales that cripple the advancement of gender equality. In this study, 199 Indonesians responded on the survey on their thought on the importance of folktale reconstruction.

Keywords: Folktale Reconstruction, Gender, Education

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Re-hardwiring the Cultural and philosophical Infrastructure of Iran for A Better Management

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Abstract

The philosophy of pre modern Iran dominated by Zoroastrianism before Islam played a more constructive role in social and individual advancements. Ancient Persia once occupying most of the eastern hemisphere surely has contributed a lot to the current human civilization through the early Mithraism, Zoroaster and his life affirming philosophy and later through the works of its great philosophers and scientists before and after the inception of Islam. However the Iran today, unlike far east nations, China and Japan which appreciated their cultural and philosophical bed rocks even in modern days, is undoubtedly on a deteriorating track which is very disappointing culturally, socially and philosophically. We are relating these social and cultural setbacks after the advent of Islam to the dominance of Semitic philosophy and world view, totally unconquerable to costly attempts of the Iranian elite during history, over a more materialistic and life affirming philosophy of life from the ancient Persia. We studied ancient Iranian philosophy and world view through Zoroaster, Mithraism, Iranian Mythology, Iranian literature after the dominance of Islamic philosophy, current cultural paradigms and compared them to the very outstanding attributes of the Islamic philosophy and found great support for our hypotheses of the two important but forgotten reasons accounting for cultural. economic and social setbacks of the nation. Taking philosophical bedrocks, cultural attributes and historical roots regarding the nation's collective world view taken for granted and replacing them with a rigid philosophy of life has thrust a cultural metamorphosis on Various offenses of the neigh boring nations from the Mongolians to Arabs and the Greek during history have changed the cultural and philosophical bed rocks of the nation

Keywords: Philosophical and cultural bedrocks, Zoroastrianism, Scientism, Positivism, Semitic Philosophy

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An Analysis of Gulf College Students' Discourse Skills Using Hoey's Model

Cuarteros, Joseph Bangayan*

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Abstract

This study attempted to assess the development of the discourse skills of the Faculty of Foundation Studies, Gulf College as second language learners. Using Michael Hoey's model, this paper specifically tried to identify the discourse skills of the respondents, the level at which these discourse skills become systematic and how these discourse skills develop. This research paper used the longitudinal descriptive method in identifying the acquisition of the various discourse skills which are reflected in the final examination of the respondents at three levels (PRE-IFP, Semester 1 and Semester 2). The model proposed by Hoey (1983) follows the pattern: Situation- Problem-Response-Result-Evaluation. Based on the result of the study, there is invariant sequence of the discourse structures of the students. The discourse structures were acquired systematically by the respondents we situation, problem and response. On the other hand, the signals for both result and evaluation are variable across programme levels. The structures of narratives such as result and evaluation cannot be considered to have been acquired as far as discourse pattern is concerned. This study concluded that the learners' acquisition of Hoey's structure of narratives follows the natural order of development. The analysis of the written narratives of the respondents uncovers how the learners demonstrate their competence and the deliberate choices they make in response to the communicative situation. It is very apparent that acquisition increases with programme level as evident in the narrative structures such as situation, problem and response. These narrative structures become systematic among the PRE-IFP level while result and resolution become systematic at Semester 1 and Semester 2 respectively.

Keywords: Acquisition, Discourse Skills, Hoey's Model, Narrative Discourse Pattern, Discourse Structures, Systematic, Variable, Programme Level

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Abstract Proceeding Book RCMI- October 05-06, 2016 Dubai, UAE

ISBN: 978-969-9948-58-9

The Correlation Between Intelligence with Social Interaction on Student of Guidance and Counseling Department Faculty of Teacher Training and Education Unlam Banjarmasin

Permatasari Nina^{1*}, Erliani Fierda Dessy² 1,2 Lambung Mangkurat University, Indonesia

Abstract

Intelligence is an ability of act to decide an aim, to think rationally, and connect to their surrounding satisfyingly. Based on the previous research there were some students who have an average intelligence level but tend to be good and open in social interaction, however students who have above average intelligence level or even superior, some of them are less active in interacting or tend to close themselves from other students. So. because of that the researcher was interested to find out the correlation between intelligence level and social interaction. The goal of the research is to discover the description of intelligence level, social interaction and to find out the correlation between intelligence level and social interaction on students of Guidance and Counselling Department. This research used quantitative approach with correlation method. Questionnaire was used as a collecting data technique, meanwhile the data analysis used SPSS 22.00 software with simple linear regression technique. The result of ANOVA test or F test was 0.005 for F value with 0.043 probability. Because the probability was smaller than 0.05 so regression could be used to predict social interaction or state that intelligence level influenced social interaction. The research result showed that intelligence level influenced the ability of student social interaction, the higher intelligence level means the lower student's ability of social interaction. So it has proven that Ha which was intelligence level has correlation with students of Guidance and Counselling Department social interaction ability. Based on the result, it is suggested for Guidance and Counselling Department to guide and make a program to train social skill on Guidance and Counselling Department students.

Keywords: Intelligence, Social interaction

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^{2&}lt;sup>nd</sup> International Conference on Regional Challenges to Multidisciplinary Innovation Research (RCMI-2016)



Abstract Proceeding Book RCMI- October 05-06, 2016 Dubai, UAE

ISBN: 978-969-9948-58-9

Characteristics And Pattern of Coal Mining in Kutai Kartarnegara Regency, East Kalimantan Province

Nasruddin Luthfie

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Abstract

Coal mining activities in Kutai Kartanegara Regency are conducted in an open way. Number IUP announced by the Department of Mineral and Energy Kutai Kartanegara Regency and the results reconciliation of Mineral Resources IUP with the 308 status exploration and production activities. The purpose of the study is to identify the characteristics and patterns of coal mining in Kutai Kartanegara Regency based on landform units in order to see the distribution pattern of its spread. The analysis was done using nearest neighbour with ArcGIS 9.3 facilities. The results showed that the characteristics of the coal mining in Kutai Kartanegara Regency are implemented by way of an open mining. With the activities of coal mine of the conservation area (21.18%), cultivation area (1.53%), and natural area (2.43%). The pattern of coal mine activities of the majority area is clustered 65.93%. The condition of the land of post coal mining in some areas showed low implementation of the rules set by the government for land reclamation, thus causing high environment problems such as erosion. flooding and landslides. Unit landform with majority in the coal mining activities is wavy tectonic cluster. The cause of the pattern of coal mining activity tends to cause factors of the relatively shallow location or have underground process of outcrops to the surface between 0-30 meters, easy access from the mine to the port. The research result recommendations are conducted anticipation program from the dangers of impact that occurs as erosion and sedimentation, water quality and soil (land potential). The licensing selection strictly refers to the legislation and in-depth learning to identify a variety of potential post-mining land to be developed on the postmining unit of the shape according to the character of the land.

Keywords: Characteristics, Pattern of Coal Mining

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TRACK C: HEALTH & MEDICINE STUDIES



Abstract Proceeding Book RCMI- October 05-06, 2016 Dubai, UAE

ISBN: 978-969-9948-58-9

Influence of Core Stabilization on the Strength of the Hip Abductor in Standing

Oh-yun Kwon^{1*}, Jeon Incheol², Ui-Jae Hwang³, Sung-Hoon Jung⁴, Jun-Hee Kim⁵

1,2,3,4,5 Yonsei University, South Korea

Abstract

This study was performed to investigate the influence of core stabilization on hip abductor muscle performance in the standing position. A parallel-groups design was used in University research laboratory. A sample of 34 subjects with and without core stabilization between 20 and 31 years of age as chosen. Main Outcome Measures: Hip abductor strength was measured using a tensiometer, the Smart KEMA System, with and without core stabilization between the subjects. Two groups were classified using the double bent leg lowering test. The intra-rater reliability of the repeated measures was estimated by calculating the intra-class correlation coefficients (ICC). The hip abductor strength in standing was higher with external support in the group without core stabilization than in the group without external support (p < 0.05). There was no significant difference in the hip abductor strength in the subjects with core stabilization between conditions, with or without external support (p > 0.05). The intra-rater reliability of the hip abduction testing without external support was higher in standing in the group with core stabilization than in the group without core stabilization (ICC = 0.93 with core stabilization and 0.80 without core stabilization). In the group without core stabilization, the intra-rater reliability with an ICC (3, 1) of the hip abductor strength measurement with external support was higher than without external support (ICC = 0.98 with external support and 0.80 without external support). The performance of the hip abductor strength in standing can be influenced by core stabilization. In the group without core stabilization, the hip abduction performance in standing is better with external support, as compared to the condition without external support. Therefore, core stabilization training can be recommended in individuals without core stabilization to improve the hip abductor performance in standing.

Keywords: Hip, Muscle, Rehabilitation; Core stabilization

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^{2&}lt;sup>nd</sup> International Conference on Regional Challenges to Multidisciplinary Innovation Research (RCMI-2016)



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TRACK D: ENGINEERING,TECHNOLOGY PHYSICAL AND APPLIED SCIENCES



Abstract Proceeding Book RCMI- October 05-06, 2016 Dubai, UAE

ISBN: 978-969-9948-58-9

Optimal Inventory Control System with Stocastic Demand

Pardi Affandi¹, Faisal², Nur Salam³ Universitas Lambung Mangkurat, Indonesia

Abstract

Optimal control theory, an extension of the calculus of variations, is a mathematical optimization method with solutions control policy. This method is largely inspired by the work of Lev Pontryagin and his colleagues in the Soviet Union and Richard Bellman in the United States. Explicit optimal control is obtained for the two general inventory levels depending on inventory production. Inventory is used more specifically limited to the production of inventory problems. The mathematical model of the problem demand inventory can be deterministic and probabilistic or stochastic models. In this research will be discussed how to model the stochastic demand as well as how to solve the inventory model using optimal control techniques.

Keywords: Inventory production Problem, Stochastic demand, Control Theory

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Physics learning Based on Wetland and Banjarnese Culture

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Abstract

Kalimantan Selatan is related with wetland and Banjarnese culture. Both of wetland and Banjarnese culture can be included in physics learning. Because, physics learning is inductive learning, it means that daily activity and every environment can be used to learn concepts, principles, laws, and theories of physics. Physics learning based on wetland and Banjarnese culture can attract students' attention. It also can increase students' interest to join in physics study. There are so many physics application in Banjarnese culture. For example Kuin's and Lok Baintan's floating market, Lanting house, panting instrument, madihin, sasirangan, cook process of Dodol Kandangan, etc.. Kuin's and Lok Baintan's floating market and Lanting house can be integrated to fluids. Panting instrument and madihin can be integrated to waves and sounds. Sasirangan and cook process of Dodol Kandangan can be integrated to temperature and heat. Physics learning based on wetland and Banjarnese culture has effect on student achievement and fosters a love of students for the Banjarnese culture. It also fosters the values of the characters contained therein, like kayuh beimbai and waja sampai kaputing (wasaka).

Keywords: Physics Learning, Wetland, Banjarnese Culture

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FUTURE EVENTS

1st INTERNATIONAL CONFERENCE ON

"Interdisciplinary Academic Research and Innovation 2016" (IARI – 2016)



Date: November 23-24, 2016

Venue: Indonesia Computer University **Email:** iari@globalilluminators.org

Abstract Submission Date: November 5, 2016 **Full Paper Submission Date:** November 10, 2016

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

4th INTERNATIONAL CONFERENCE ON

"Innovation Challenges in Multidisciplinary Research & Practice"
(ICMRP -2016)



Date: December 15-16, 2016

Venue: Hotel Grand Pacific Singapore Email: icmrp@globalilluminators.org

Abstract Submission Date: November 30, 2016 **Full Paper Submission Date:** December 5, 2016

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

3rd INTERNATIONAL CONFERENCE ON

"Global Issues in Multidisciplinary Academic Research" (GIMAR -2017)



Date: February 01-02, 2017

Venue: Hotel Sunroute Plaza Shinjuku, Tokyo, Japan

Email: gimar@globalilluminators.org

Abstract Submission Date: January 15, 2016 **Full Paper Submission Date:** January 20, 2016

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

3rd INTERNATIONAL CONFERENCE ON

"Multidisciplinary Innovation in Business Engineering Science & Technology" (MI-BEST -2017)



Date: February 23-24, 2017

Venue: Century Park Hotel, Manila, Philippines

Email: mibest@globalilluminators.org

Abstract Submission Date: February 5, 2016 **Full Paper Submission Date:** February 10, 2017

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

4th INTERNATIONAL CONFERENCE ON

"Trends in Multidisciplinary Business & Economic Research" (TMBER -2017)



Date: March 25-26, 2017

Venue: Novetal Hotel Sydney central, Sydney Australia

Email: tmber@globalilluminators.org

Abstract Submission Date: March 5, 2017 **Full Paper Submission Date:** March 10, 2017

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

4th INTERNATIONAL CONFERENCE ON

"Global Trends in Academic Research" (GTAR -2017)



Date: April 20-21, 2017

Venue: San Servolo Convention Center, Venice, Italy

Email: gtar@globalilluminators.org

Abstract Submission Date: April 5, 2017 **Full Paper Submission Date:** April 10, 2017

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

3rd INTERNATIONAL CONFERENCE ON

"New Directions in Multidisciplinary Research & Practice" (NDMRP -2017)



Date: May 12-13, 2017

Venue: Amalia Hotel Athens, Greece Email: ndmrp@globalilluminators.org Abstract Submission Date: April 20, 2017 Full Paper Submission Date: April 25, 2017

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

4th INTERNATIONAL CONFERENCE ON

"Multidisciplinary Innovation Sustainability & Growth" (MISG -2017)



Date: July 05-06, 2017

Venue: The Federal Hotel Kuala Lumpur Malaysia

Email: misg@globalilluminators.org

Abstract Submission Date: June 15, 2017 **Full Paper Submission Date:** June 30, 2017

Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.

Conference Main Tracks

- Business, Management and Economic Studies
- Health and Medicine Studies.
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies



CSR Activity Conducted By Global Illuminators: Sport Activation for Children against Negative Impact of Internet & Technology

In the April 2016, Global Illuminators conducted Corporate Social Responsibility program together with Maestro and the Clover as Sport Facility Provider in Bandung, initiating an event with theme:



The Objectives of this event were:

- 1. Media of education for parents and children to be aware of digital new era and its impact on children's life
- 2. Facilitate and promote futsal as one of the kinds of sport activation that can be alternative activity for children against the negative impact of internet
- 3. Social activity and charity engage orphans to enjoy sport activities together with their friends
- 4. Corporate Social Responsibility of Company to contribute to the society especially to solve one of the social problems in Bandung.

Highlights of CSR Activities are given below:



Global Illuminators Malaysia Team conducted its Latest CSR activity at Rumah Charis, Kuala Lumpur, Malaysia Children Home

Global Illuminators Malaysia Team conducted its latest CSR activity at Rumah Charis, Kuala Lumpur, Malaysia Children home. The children home ministry provides care for orphans and single parent children, their homes and activities aim to create a suitable environment to enable children to grow. They help to provide spiritual direction, education, and counselling for the children. Emphasis was given to fellowshipping and spending time with the children over refreshments, as well as presenting them with small gifts and the organizing of special entertainment programmes for the children such as a special game segment. One of the other highlights of the evening was the goodie bags distribution programme carried out by Global Illuminators.









Global Illuminators Indonesian Team conducted its Latest CSR activity in Ramadan for Local Community Welfare, Sharing Happiness and developing Orphan Children

Global Illuminators Indonesian team conducted its latest CSR activity in Ramadan for orphans. The purpose of this acitivity was to give happiness and develop orphans with the support of more than 60 volunteers and distribute iftar to more than 400 beneficiaries (yateem, orphan and dhuafa). Global illuminators indonesian team spent time with children and conducted different activities for their moral self-development.

Highlights of this activity are given below:







GLOBALILLUMINATORS

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"Researching and Developing for Humanity"

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".

2nd INTERNATIONAL CONFERENCE ON

"Regional Challenges to Multidisciplinary Innovation"

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