## **RDSSB-2017**

International conference on Recent Developments in Social Sciences and Business Studies

Volume 02, Issue 02 Singapore February 25-26, 2017



## CONFERENCE BOOK OF ABSTRACT PROCEEDINGS

## **ANISSH**

Akademika Nusa Internasional Association of Social Sciences & Humanities



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#### 5th International Conference on Recent Developments in Social Sciences and Business Studies (RDSSB) Singapore

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### **Book of Abstracts Proceedings**

**5th International Conference on Recent Developments in Social Sciences and Business Studies** 

Singapore February 25-26, 2017

#### **Head Office:**

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Proceedings of the International Conference on Recent Developments in Social Sciences and Business Studies (RDSSB)

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## 5th International Conference on Recent Developments in Social Sciences and Business Studies (RDSSB)

Venue: The Aqueen Hotel Paya Lebar 33 Jalan Afifi, Singapore 409180

**Conference Theme:** Promoting research and developmental Activities through Social Sciences innovation.

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#### **CONFERENCE TRACKS**

- Social and Community Studies
- Arts
- Humanities
- Civic and Political Studies
- Cultural & Global Studies
- Environmental Studies
- Organizational Studies
- Educational and Communication Studies
- Economics, Finance & Accounting
- Business and Management Studies



#### CONFERENCE CHAIR MESSAGE

#### Dr. Sukri Palutturi

"International Conference of Akademika Nusa Internasional Association of Social Sciences and Huminities" is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the social sciences and applied sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let's get over all sorts of discrimination and take a look at the wider picture. Let's work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you. Dr. Sukri Palutturi Conference Chair

Email: conference.chair@anissh.com

#### CONFERENCE SECHDULE

#### **ANISSH-2017**

Venue: The Aqueen Hotel Paya Lebar 33 Jalan Afifi, Singapore 409180

Time: Registration & Kit Distribution (8:30- 9:30 am)

Day: Saturday Date: February 25, 2017

Venue: Room 1

	09:30 am - 9:40 am	Introduction of Participants
	09:40 am - 09:50 am	Inauguration and Opening address
ľ	09:50 am - 10:00 am	Grand Networking Session

Tea/Coffee Break (10:00 am- 10:30 am)



#### DAY 01 Saturday (February 25, 2017)

#### First Presentation Session (10:30 am - 12:00 pm)

#### Venue: Room 1 Session Chair: Dr. Sukri Plautturi

Presenter Name	Manuscript Title	Paper ID			
Track A: Business and Management Studies					
Paulino H. Gatpandan	Implementing Knowledge Discovery in Enhancing Uni-	RDSSB-027-ANI115			
	versity Student Services Portfolio Management in Higher				
	Education Institution				
Ghesa Meilinda Rachmawati	Organizational Behavior of Albasia Timber (Albasia sp.)	RDSSB-027-ANI110			
	Industry In Gunturmadu Village, Pungangan Village,				
	and Larangan Kulon Village, Mojotengan sub-district,				
	Wonosobo Regency				
Track B: Social and Community Studies					
Prof. Gina E. Agus	In Aid of Community Policy and Framework Develop-	RDSSB-027-ANI102			
	ment: A Sustainable Integrated Community Advance-				
	ment Program				
Prof. Nelson Rusios Asejo	Application of Participatory Research Model in the Col-	RDSSB-027-ANI106			
	lege Research and Development Program				
Dr. Danilo Sabado	Co-Author	RDSSB-027-ANI106C			

Lunch Break: (12:00-01:00pm)



#### DAY 01 Saturday (February 25, 2017)

#### Second Presentation Session (01:00 02:45 pm)

Venue: Room 1 Session Chair: Dr. Sukri Plautturi

Presenter Name	Manuscript Title	Paper ID			
Track C: Multidisciplinary Studies					
Omar Karlin	Making Better Tests with the Rasch Measurement Model	RDSSB-027-ANI108			
Mr. Paulino H. Gatpandan	A Sequential Concurrent Exploratory Study on Manage-	RDSSB-027-ANI104			
	ment of Agile-Scrum Software Development Team using				
	the JIRA Software Application				
Mr. Amando S. Panganiban, Jr.	A Concurrent Exploratory Study on Sectoral Engagement	RDSSB-027-ANI103			
	Model of an Altruistic Corporate Social Responsibility in				
	Bureau of Jail Management and Penology				
Mengvi P. Gatpandan	Mining Crime Instance Records of Philippine National	RDSSB-027-ANI114			
	Police District Vi Province of Cavite, Philippines: An Ex-				
	ploratory Study to Enhance Crime Prevention Programs				
Cecilia Tadeo	Glocalization of Technology Capability in these Techno-	RDSSB-027-ANI107			
	logical Constellations				

(Ending Note: 03:00pm)



## Participants Registered As Listener/ Observer

The following Scholars/ practitioners who don't have any paper presentation, however they will attending the conference as delegates & observers.

Official ID: RDSSB-027-ANI112A Ridwan Abubakar Mashood Rangsit University, Thailand

### Conference Day 02 (February 26, 2017)

Second day of conference will be specified for touristy. Relevant expenses are borne by Individual him/herself.





# TRACK A BUSINESS AND MANAGEMENT STUDIES





### Organizational Behavior of Albasia Timber (Albasia sp.) Industry In Gunturmadu Village, Pungangan Village, and Larangan Kulon Village, Mojotengan sub-district, Wonosobo Regency

\*Ms. Ghesa Meilinda Rachmawati
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**Keywords:** Accessibility, Organizational Behavior, and Supply Chain

Mojotengah sub-district potential to grow albasia timber (Albasia sp.). This study was conducted in Gunturmadu Village, Pungangan Village, and Larangan Kulon Village, Mojotengah sub-district, Wonosobo Regency, Central Java, Indonesia. This study emphasizes on organization behavior of albasia timber industry within the farmer, the supplier, and the depo in Mojotengah sub-district. The purpose of this study is to understand operation and supply chain management of sengon timber (Albasia sp.) for each village in region of study. The method performed by descriptive and qualitative analysis method. Processing data method performed by descriptive and qualitative method by using GIS. The results indicate that there is a significant influence of accessibility to operation and supply chain, and albasia timber price for each diameter classification of timber. The diameter classification of albasia timber divided into 4 classes, such as 10-14 centimeters, 15-19 centimeters, 20-29 centimeters, and more than 30 centimeters. This study concludes that the more each village has better accessibility, the more that village has the cheaper timber selling price and the shorter supply chain in Mojotengah sub-district, Wonosobo Regency, Central Java, Indonesia.





### Implementing Knowledge Discovery in Enhancing University Student Services Portfolio Management in Higher Education Institution

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 1 Computer Studies Department, College of Science and Computer Studies, De La
 Salle University Dasmarias, Cavite, Philippines, <sup>2</sup> School of Graduate Studies, AMA
 Computer University, Quezon City, Philippines
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**Keywords:** Data Mining, Classification, Decision Tree, CHAID Algorithm, Data Envelopment Analysis

The academic and holistic success of a student depends on their interests and support system by means of academic enablers to emphasize the motivational and cognitive development. The academic and student affairs were structured to align student activities with the priorities of the academic division, and it allows them to develop closer relationships with faculty in order to more effectively help students to learn in a holistic and coordinated manner. This paper presents an implementation of Knowledge Discovery in Enhancing University Student Services Portfolio Management of The Student Welfare and Formation Office (SWAFO) of De La Salle University Dasmarinas, Philippines where demographics and student offenses were analyzed using Data Envelopment Analysis (DEA) and Classification Techniques. Data Envelopment Analysis was used to determine the efficient decision-making unit (DMU) attributed as colleges. CHAID algorithm was used to determine the relationship between the demographic profile of the students and the category of offenses. Also, Cross Tabulation is a tool used to analyze categorical data and present the multivariate frequency distribution of the variables. A remediation plan will be developed as an implementation of CHAID algorithm in a software application which is intended to be a predictive analytical software application which forecasts student offenses. The researchers recommend considering other knowledge discovery techniques in efficiency measurement or empirical analysis related to university service portfolio management.





# TRACK B SOCIAL AND COMMUNITY STUDIES





### Application of Participatory Research Model in the College Research and Development Program

<sup>1</sup>Daniel D. Dasig, Jr., <sup>2\*</sup>Danilo Sabado, DT., <sup>3</sup> Cecilia Tadeo, Ph.D., <sup>4</sup> Mary Ellaine Cervantes, <sup>5</sup> Michael Mansueto, <sup>6</sup> Alexander B. Pahayahay, <sup>6\*</sup> Nelson R. Asejo, <sup>7</sup>Shirley M. Pangan, <sup>8</sup>Emily Sicat, <sup>9</sup> Roel Traballo

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**Keywords:** Participatory Research, Research Model, Research Capability Matrix, Concurrent Transformative, Research Support

Research is a portmanteau and has always been the catch-all and niche of a university. The internationalization of universities and colleges implore significant challenges to institutional compliance to its internal and external quality management system. Amongst the university pitfalls during accreditation is its underperformance in the research area. This paper discusses and presents the College of Computer Science Participatory Research Model which aimed at to raising the bar of research production to publication. This contribution provides the implication of the model integrated into the College Research Development Program. Participatory Research Model is an approach to the research program in the academic and professional communities which emphasized participation and collaboration. A Research Capability Matrix has been used to capture the participants' research profile. A Concurrent Transformative Research Design was used in the study. Based on the Research Capability Matrix and Data Analysis, results shown that the professional and academic communities need careful and extensive research support for knowledge generation, resource allocation, networking, funding and research dissemination must be provided. Therefore, the university and college administrator must provide research program which are and within the college and university research agenda and that further support to its faculty must be established. A College Research Manual is recommended and that further studies on the effectiveness of the program must be conducted. The results of this study will be used as a basis for policies redirection on the Research and Development Program.





## In Aid of Community Policy and Framework Development: A Sustainable Integrated Community Advancement Program

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**Keywords:** Community Policy, Framework Development, Community Development Program, People Engagement, Empowerment

This paper presents the University framework for Community Involvement Programs referred to as the Sustainable Integrated Community Advancement Program (SICAP). The framework provides in-depth and integrated engagement of stakeholders in Community Development Programs, CHED's Integrated Components of Extension Programs, Academic and Service Units. Stakeholders in the context of this framework include barangays, institutions, and organizations which were the pivotal instrument to advance social and developmental change implied in the SICAP Framework. Engagement, Empowerment, Enrichment initiatives was integrated into the development programs in aid of providing grassroots development. The results of this work will be used as a basis for the University policies and implementing guidelines and redirection of its priorities.





# TRACK C MULTIDISCIPLINARY STUDIES





#### Making Better Tests with the Rasch Measurement Model

\*Omar Karlin School of Global Japanese Studies Meiji University, Japan Corresponding Email: o\_karlin@yahoo.com

**Keywords:** Rasch Measurement Model, Assessment, Test Validation, Survey Validation.

This study had two aims. The first was to explain the process of using the Rasch measurement model to validate tests in an easy-to-understand way for those unfamiliar with the Rasch measurement model. The second was to validate two final exams with several shared items, given to two groups of students with differing proficiency. The two exams, a low-advanced and a high-advanced exam, were given to 76 and 45 Japanese university students, respectively. Each exam had 56 questions, with 26 shared questions linking the two exams. After conducting a simple Rasch analysis to examine Rasch difficulty measures and fit statistics, it was determined that up to 33 questions may need to be modified or deleted from the next version of the exam.





### A Sequential Concurrent Exploratory Study on Management of Agile-Scrum Software Development Team using the JIRA Software Application

<sup>1</sup>Engr. Daniel D. Dasig, Jr.,<sup>2</sup> Alvino Jumagdao, Jr.,<sup>3</sup> Arlene Mae C. Valderama,<sup>4</sup> Mary Ann B. Taduyo, <sup>5</sup>Mengvi P. Gatpandan, <sup>6</sup>Rodulph Val Guarin,<sup>7</sup> Roel C. Traballo, <sup>8</sup> Daryl Dasig,<sup>9</sup> Jovelyn Dasig,<sup>10\*</sup> Paulino Gatpandan
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**Keywords:** Project Management, Scrum, Agile Team, Agile-Scrum, Software Development, Software Engineering, Software Development.

Project management technique varies according to the nature of the project and has have become inextricably linked with measuring the success of IT-IS project management. Among the business and technology innovations is the Agile-Scrum methodology in the Development, Server, and Production environments. This paper presents an exploratory investigation in managing software development team using a JIRA Software application. It aims to identify the agile software development ecosystems, the phases of agile requirements engineering and best practices in managing Agile-Scrum Team. The researchers employed the mixed Quantitative and Qualitative Research Methodology using the Sequential Concurrent Exploratory Research Design. Based on the content analysis and literature reviews, it is practically significant to managing projects using the JIRA application software for task management, defect tagging, and project tracking. Best practices in managing Agile Team can be replicated by Project Managers or Scrum Master with the onset of diversities and dynamics of a team environment.





# A Concurrent Exploratory Study on Sectoral Engagement Model of an Altruistic Corporate Social Responsibility in Bureau of Jail Management and Penology

<sup>1</sup>Alexander B. Pahayahay, MIT,<sup>2</sup> Nelson R. Asejo, MIT,<sup>3</sup>Shirley M. Pangan, MA,<sup>4\*</sup>AmandoS. Panganiban, Jr.,<sup>5</sup> Daniel D. Dasig, Jr.,MSE-CpE, MRICompE(Sr) 
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**Keywords:** Corporate Social Responsibility, Concurrent Exploratory, Sectoral Engagement, Jail Management, Sectoral Engagement

This paper presents the Sectoral Engagement Model of an Altruistic Corporate Social Responsibility in Bureau of Jail Management and Penology. University of Makati- College of Computer Science is true to its vision to providing an information technology education committed to the development and adequate utilization and applications of information technology serves as ground inspirations to offer training inside the Makati City Jail for their residences. This study was conducted for the purpose of determining the status of learning basic computer application and basic troubleshooting in the Bureau of Jail Management and Penology inmates which form part of the college altruistic Corporate Social Responsibility using the Concurrent Exploratory Research Methodology. Significantly, the majority of the respondents have an applied hands-on and experienced lesson from the actual training in the basic troubleshooting part of the program. The CSR provided an equal opportunity to adapt an industry-based learning that they can use outside the vicinity of BJMP as their possible way of starting a new life.





# Mining Crime Instance Records of Philippine National Police District Vi Province of Cavite, Philippines: An Exploratory Study to Enhance Crime Prevention Programs

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**Keywords:** Data Envelopment Analysis, Data Mining, Clustering Techniques, Crime Management

This study aimed to measure the efficiency, performance and organizational management in one of the country's national police forces. Crime management as the prime function of the police requires resources which were considered as Decision Making Units in this study particularly in the Data Envelopment Analysis. A structured approach to planning data mining activities (CRISP-DM) was used in the analytical tasks using Clustering Technique. These data mining methodologies were used to determine the crime patterns based on the historical data of the purposively selected cities and municipalities in the Province of Cavite. A software application will be developed as a predictive analytical tool to forecast crime, identify crime patterns and further countervail security issues in the surrounding community. Further studies on the software applicability and practicability, impact analyses and process performance is recommended to help organizations in its performance and operational efficiency.





## Glocalization of Technology Capability in these Technological Constellations

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 School, <sup>4</sup>Former Dean, College of Computer Science, Director of IT Program- SCOPE <sup>5</sup>Chair, General I.T. Programs, College of Computer Science, <sup>6</sup>Dean, College of Computer Science <sup>7</sup>Director, Quality Management and Development Center, <sup>8</sup>University of Makati, Makati City, Philippines Corresponding Email: daniel.dasig@jru.edu

**Keywords:** Glocalization, Capability Matrix, Technology Capability Matrix, Business Alignment, Capacity Management

This paper provides a professional community's technology knowledge, accumulation, and application in the context of the global and local technological constellations from a strategic perspective to alignment issues. The pinnacle of technology capability glocalization is the adaptation, ability and capacity to deliver global business demands using the technology and around the particularities of local technologies in which they are used and consumed by the end-users. Technology Capability is the ability and capacity to realize a measurable result in a specific operational context of conditions using technology. Results of the study reveal that most of the participants were equipped and experienced in Infrastructure Administration, Utilities Administration, Business Process Analysis and Process Management, Project, Management and Methodology, Project Management Process. It was notable based on the analysis that most of the participants were not equipped and less experienced in Enterprise Data Management, Infrastructure Management, Application Administration, Database/Data Mining and Business- Standards. Therefore, these facilitators have less experience (untapped capabilities) in most of the courses in Computer Science and I.T. courses. Responding to the global demands by empowering the local provider encourages glocalization context. It is recommended that the Program Chairs and College Administrators consider and map the result of the study and provide the same in their Faculty Development Program through industry immersion, in-service training, workshop and attendances to related training and conferences.



#### **UP COMING EVENTS**

You can find the details regarding our upcoming events by following below:

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Our vision is to establish sustainable research and academic hub for future generations.

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