

PROCEEDING



BIRE
Bali Institute of Research Excellence



ABSEIT-2018

**International Conference on Advancement
in Business Management, Social Sciences
Economics, and Information Technology**

**Hotel Santika Seminyak Bali, Indonesia
November 21-22, 2018**

***CONFERENCE BOOK OF
ABSTRACT PROCEEDINGS***

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Book of Abstracts Proceedings

International Conference on Advancement in Business Management, Social Sciences, Economics, and Information Technology (ABSEIT)

Bali, Indonesia
November 21-22, 2018
ISBN: 976-2176-50-90-8

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Proceedings of the International Conference on Advancement in Business Management, Social Sciences, Economics, and Information Technology

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***International Conference on Advancement in Business
Management, Social Sciences, Economics, and
Information Technology (ABSEIT)***

**Venue: Hotel Santika Seminyak Bali, Jl. Sunset Road No.17, Seminyak, Kuta,
Kabupaten Badung, Bali 80361, Indonesia**

Conference Theme: Encourage updated information exchange
between researchers, practitioners and scholars.



SCIENTIFIC COMMITTEE

Dr. Mohamed Hamdoun

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Conference Coordinator

Renan P.Limjuco

Conference Coordinator

Gurani Matin

Conference Coordinator

Onch Li Chee

Conference Coordinator

CONFERENCE TRACKS

- Basic Science
- Civil Engineering
- Economics, Finance & Accounting
- Business Management
- Electrical Engineering
- Life Sciences
- Mechanical Engineering
- Medicine Sciences

CONFERENCE CHAIR MESSAGE

Dr. Ryan Feinstein

“International Conference of Bali Institute of Research Excellence” 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. Ryan Feinstein

Conference Chair

Email: ryan@bireacademy.com

Conference Schedule

Conference Name: International Conference on Advancement in Business Management, Social Sciences, Economics, and Information Technology (ABSEIT)

November 21-22, 2018

Venue: Hotel Santika Seminyak Bali, Indonesia

Time: Registration & Kit Distribution (09:00 am - 09:10 am)

Venue: Room 1

09:10 am - 09: 20 am	Introduction of Participants
09: 20 am - 09: 30am	Inauguration and Opening address
09: 30 am - 09:40 am	Networking Session

Tea/Coffee Break (09:40 am - 10:00 am)

DAY 01 (November 21-22, 2018)

1st Presentation Session (10:00 am - 11:00 am)

Venue: Room 1

Presenter Name	Manuscript Title	Paper ID
Track A: Business, Economics, Social Sciences & Humanities		
Dr. Ir. Tri Margono	Online Service Hub Model on Category of Functional Food to Support Iptek-Hub LIPI Corner Development	ABSEIT-NOV18-BI103
NGUYEN Thi Bich Ngoc	The Link Between Financial Leverage and Investment Decisions in Vietnams Small and Medium-Sized Enterprises	ABSEIT-NOV18-BI106
Amer Abdelrahman Al Atiat	Implications of Six Sigma CSFs in Productivity Improvement and Process Innovation through ACAP: A Conceptual Model	ABSEIT-NOV18-BI111
Chih-Ming Chien	The Practice of Design-Build Programs in Remote Areas in Taiwan	ABSEIT-NOV18-BI122
Wu YunFan	A New Structure of the Typhoon Bogus Wind Tangential Profile	ABSEIT-NOV18-BI125

Ending Note & Lunch Time (11:00 am - 12:00 pm)

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.

Name: Prof. Renae Balsley
Royal Hobart Hospital, Tasmania
Australia

Name: Stephanie Woolnough
Victoria parade surgery centre, located in Melbourne Australia
Australia

Name: Akung Hrishiksha
Ministry of health ,Flacq hospital
Republic of Mauritius

Name: Dr. Dhurn Lomus Rishi
Ministry of health ,Facq hospital
Republic of Mauritius

Conference Day 02 (November 22, 2018)

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

TRACK A

BUSINESS, ECONOMICS, SOCIAL SCIENCES & HUMANITIES



Online Service Hub Model on Category of Functional Food to Support Iptek-Hub LIPI Corner Development

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Keywords: Science And Technology Hub, Online Services, Appropriate Technology Information, Functional Foods, LIPI Corner

Iptek-Hub (Science and Technology Hub) LIPI is a hub corner between LIPI -as the biggest government research center among others in Indonesia- and lagging local governments, especially it related to online services of science and technology (scien-tech). The aim of Iptek-Hub establishment is to bridge the gap of scientech information access toward research results by online. The information access is very important till society who produce functional food processed products from marine resources can develop their innovations for product diversification and product packaging design, in accordance with standards and technological developments. The goal of the innovation is to raise the quality and selling value of products produced by society. Innovation of society can be developed and improved through a variety of ways, such as via increasing of competitiveness in product processing and post-harvest product management. Therefore, the competitiveness of the community needs to be increased immediately so the product quality can be raised according to market standards through the appropriate technology information provision that accessible by society at large. It is expected that the society's economy in the lagging area will increase and they have a high sense of nationalism to develop domestic products in accordance with the regional potential. Based on the current issues, the hub model made should be in accordance with the stakeholders need so that the provision and development of digital information content can be sustainable. It is meant so that iptek-hub which established and developed will give a positive effect towards improving the society's economy.



The Link Between Financial Leverage and Investment Decisions in Vietnam's Small and Medium-Sized Enterprises

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Keywords: Vietnam SME Analysis, Financial Leverage, Investment Decisions

The role of small and medium sized enterprises (SMEs) is important for any country's economic development as its significant contribution to economic growth. Nevertheless, they have faced many challenges such as limited financing sources for investment and operation. Previous studies have focused on the major factors that affect investment such as the real exchange rate, inflation and capital flows. This study analyzes how capital structure (financial leverage) affects investment decisions and the choice of financing sources for small and medium-sized enterprises (SMEs) in Vietnam. In principle, long term debt has both negative and positive impact on investment decision. On one hand, leverage has a negative impact on investment behaviors due to the potential conflict of interest between debtholders and shareholders. On the other hand, firms may refuse to invest if they are not able to make a profit over the long term because they do not want to bear the rollover risk. Thus, in our paper, we focus on the link between financial leverage and investment decisions as well as how financial leverage impacts the choice of financing sources by using Vietnam SME survey data (2011-2015). The results show that there is a positive relationship between financial leverage and investment decisions. This result implies that SMEs with higher financial leverage tend to seek more investment opportunities than SMEs with lower financial leverage. The result also reveals that firms with higher financial leverage are more likely to choose external financing sources than internal financing sources. Our results confirm that capital structure is vital for the investment decisions of SMEs in Vietnam.



Implications of Six Sigma CSFs in Productivity Improvement and Process Innovation through ACAP: A Conceptual Model

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Keywords: Six Sigma, Absorptive Capacity (ACAP), Process Innovation, Productivity Improvement. Critical success factors (CSFs).

Competitive business pressure requires organizations to improve productivity and process innovation persistently. For this purpose, business firms use Six Sigma methodology as a powerful approach that is a forerunner for the accomplishment of business development. Many scholars explore the relationship between six sigma and innovation and productivity. The paper discussed the relationship between Six Sigma critical success factors CSFs and productivity improvement and process innovation through absorptive capacity (ACAP) as a mediator variable. This paper presented a conceptual model to explore the concept of Six Sigma and combining the three theory of dynamic capability, absorptive capacity (ACAP), and theory of constraints. The paper also highlighted certain issues in operation management development that need to be addressed for productivity improvement and process innovation.



The Practice of Design-Build Programs in Remote Areas in Taiwan

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Keywords: Design-build programs, Humanitarian architecture, Collaborative construction, Tacit Knowledge, Asia-Pacific

Under the influence of open-source culture, more and more non-professionals in the Asian-Pacific have begun to engage in activities like space reformation and design-build programs in recent years. This study analyzed the design-build programs promoted by the Association of Humanitarian Architecture (AHA) in Taiwan in the last four years using participant observation combined with secondary qualitative study and documentation. Then, we used the Collaborative Construction Model established in the previous research for comparison. The objective is to provide international organizations that are planning to enter Asia-Pacific for collaborative construction with a comprehensive recommendation. We found that the participants in the cases built explicit knowledge by reading the construction manuals, and then gained tacit knowledge from the local professionals and vocational-school teachers within subdivided learning and processing lines. The outcome demonstrated that such an approach allowed the participants with different backgrounds to effectively work together, and leveraged the smaller number of on-site professionals. By making good use of the natives tacit knowledge about their environment and local materials for collaborative construction, the participants experienced unexpected results and joys. It is common for Austronesian and the agricultural residents to have constructional skills as their second professional specialty. The use of local professionals tacit knowledge to guide the participants during construction led to the increase of self-confidence and honor in the local professionals. Besides, by combining traditional and modern constructional methods, instead of using the simple construction system utilized in urban areas, the dependency on industrialized products in remote areas could be reduced. products.



A New Structure of the Typhoon Bogus Wind Tangential Profile

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Keywords: Thphoon, Numerical Simulation, Bogus

Based on the Typhoon Bogus scheme proposed by the Air Force of Weather Agency (AFWA) typhoon Bogus scheme and Jonny CL et al. (1987) provided in the WRF (Weather Research and Forecasting) model, a Bogus scheme that can utilize 50 and 30 knots of wind speed radius information was constructed by Dr. Gao(2005). Dr. Gaos scheme was successfully planted to the WRF model and was improved in this paper. Typhoon No. 9 of 2011 called Muifa was selected as the research object. FNL (Final Operational Global Analysis) reanalysis data provided by the National Center for Environmental Prediction (NECP) was used as the WRF simulation background field, a series of numerical experiments was designed and implemented. The influence of the typhoon wind field structure on the path and intensity of the typhoon in the initial field was analyzed. Further more attempting to improve the typhoon intensity forecast, 3DVar-DA assimilation of typhoon center pressure single point observations was used in the WRF model. The single-point center pressure assimilation was improved to the simultaneous multi-point assimilation on different vertical layers. Typhoon minimum pressure center location on each -layer(1000 hPa, 900 hPa, 800 hPa, and 700 hPa) of the typhoon Muifa was simulated to the initial field. A series of numerical simulation susceptibility tests were designed and implemented. The result shows that the new Bogus scheme and simultaneous multi-point assimilation on different vertical layers of typhoon center was better.



UPCOMING EVENTS

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

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