

ABSTRACT PROCEEDING



3rd International Conference on Advancements in Social, Business and Management Sciences Research ASBMSR-2020

Tokyo, Japan

February 22-23, 2020



3rd International Conference on
Advancements in Social, Business and Management Sciences Research
(ASBMSR-2020)
ASMBSR© 2020 Tokyo, Japan
GI Social Sciences Forum, Kuala Lumpur, Malaysia.



ASMBSR 2020

Conference Proceeding

Book of Abstracts

**3rd International Conference on
Advancements in Social, Business and Management
Sciences Research
(ASBMSR-2020)**

**Venue: Hotel Mystays Ochanomizu Conference Center, Tokyo,
Japan**

Editor:

Dr. Ahmad Saddam Ph.D.

Country Director (Global Illuminators Iraq)

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Conference Chair Message

Farooq Ahmed Jam (Ph.D.)



3rd International Conference on Advancements in Social, Business and Management Sciences Research (ASBMSR-2020) serves as a platform that aims at helping 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 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 to the betterment of society and welfare of humanity to bring prosperity, peace, and harmony in this world. Stay blessed.

Type of ASBMSR Papers

For this year, ASBMSR has two types of papers: *Empirical Studies* and *Insight*. Research papers meet the needs of researchers and are reviewed on the basis of highest academic standards. The objective of the Empirical studies is to contribute to the scientific body of knowledge. On the contrary, Insight papers meet the needs of policymakers 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.

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In ASBMSR, all papers are judged on the same criteria (relevance, significance, originality, validity, and clarity). However, some criteria differ between the Empirical papers and the 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 empirical 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, and language is easy and understandable by the audience in the conference.

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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 ASBMSR 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 ASBMSR tradition.

Farooq Ahmed Jam (Ph.D.), Tariq Iqbal Khan (Ph.D.),
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The Open University Of Tanzania

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University of the Immaculate Conception
Davao City, Philippines

Kankan Kasmana
Departemen Visual Communication Design-Indonesia Computer
University, Indonesia

Monique Musni- Tagaytay, M.A.Ed
University of the Immaculate Conception Philippines, Philippines

Naidu Narainsamy
Department of Psychology of Education, University of South Africa
(UNISA), College of Education, South Africa

Sultanbayeva Gulmira

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*Universitas Panca Bhakti
Kalimantan BARAt*

Yan LI (Ph.D.)
Nanyang Technological University, Singapore

Md. Saleh Ahmed (Ph.D.)
*Department of Mathematics & Statistics
Sultan Qaboos University, Muscat, Oman*

Saon Banerjee (Ph.D.)
*OIC, AICRP on Agrometeorology,
State Agricultural University*

Mohd. Nizam Omar
Universiti Utara Malaysia, 06010 UUM Sintok, Kedah, Malaysia

Amina Bakhrouf
*Laboratory of Analysis, Treatment and Valorisation of
Environment Pollutants and Products, Monastir, Tunisia*

Shatrova, Olga
Russian State Hydrometeorological University (RSHU), Russia

ENGINEERING AND TECHNOLOGY STUDIES

Nurul Akmar Binti Emran (Ph.D.)
Faculty of Information Communication Technology

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Civil and Environmental Engineering
Universiti Tun Hussein Onn, Malaysia

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Head of Micro learning Research Centre
Suleyman Demirel University, Kazakhstan

Noor Zaman (Ph.D.)
College of Computer Science and IT,
King Faisal University, Saudi Arabia

Kelly Whealan George (Ph.D.)
Embry-Riddle Aeronautical University (ERAU), USA

Prof. Dr. Hj. Dwi Kartini, SE. Spec. Lic (Ph.D.)
University of Computer Indonesia (Unikom)
Bandung, Indonesia

Valeria Ersilia Oniga (Ph.D.)
Department of Terrestrial Measurements and Cadastre
Technical University “Gh.Asachi” from Iasi
Romania

Prof. Dr. Hj. Dwi Kartini, SE. Spec. Lic (Ph.D.)
University of Computer Indonesia (Unikom)
Bandung, Indonesia

Mira Rahayu
Telkom University Indonesia, Indonesia

Ony Widilestariningtyas
Universitas Komputer Indonesia, Indonesia

Yully Ambarsih Ekawardhani

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UNIKOM, Institut Teknologi Bandung, Indonesia

Emel Zeray

Selcuk University Geomatics Department, Turkey

Nedjah

*Preparatory School of Sciences and Technology (EPST Annaba),
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Tashenova

L. N. Gumilyov Eurasian National University, Kazakhstan

Farah Jemili

*Department of Computer Sciences, Higher Institute of Computer
and Communication Techniques, Sousse University, Tunisia*

Nahid Sanzida

*Bangladesh University of Engineering and Technology (BUET),
Bangladesh*

HEALTH AND MEDICINE STUDIES

Balachandar S. Sayapathi (Ph.D.)

Faculty of Medicine, University of Malaya

Ahmed Kaid Naji Allow (Ph.D.)

*Head of Dept. of Human Physiology
College of Medicine and Health Sciences
Sana'a University, R. Yemen*

Prof. Dr. drg. Andi Zulkifli, M. Kes

*Faculty of Public Health Hasanuddin University,
Makassar, Indonesia*

Fauzie Rahman

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*Head of Health Policy Management Department at School of Public
Health, Faculty of Medicine, Lambung Mangkurat University,
Indonesia*

Helia Rahbari

*Faculty of Paramedical Sciences at Shahid Beheshti University of
Medical Sciences, Iran*

Dr. Narjis Rizvi

Aga Khan University, stadium road, Karachi, Pakistan

Dr. Elvira Urgel (Ph.D.)

Centro Escolar University, China

Maria Bea Lao

*Medical Technology/Medical Laboratory Science University of the
Immaculate Conception, Philippines*

Nima Kasraie

Children's Mercy Hospital, United States

Haseen Fariha

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*Graduate Institute of Professional Development in Education, Da-
Yeh University, Taiwan*

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Abolhassani Shahla

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Enayatollah Kalantar

*Department of Microbiology and Immunology, School of Medicine,
Alborz University of Medical Sciences, Karaj, Iran*

Cahit Canbay

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Rahbari, Helia

*Faculty of Paramedical Sciences at Shahid Beheshti University of
Medical Sciences, Tehran, Iran*

Cheng-Chi Chang

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

KEYNOTE SPEAKER

Prof. Dr. David K. Ding, Ph.D., FCPA



Professor Dr. David Ding is Professor of Finance and Financial Economics at Massey University, New Zealand and Associate Professor of Finance at the Singapore Management University. He previously served as the Foundation Professor of Finance and coordinator of the finance program at the University of New South Wales (Asia); as

Director of the Center for Research in Financial Services and Head of the Division of Banking and Finance at the Nanyang Technological University, Singapore. Professor Ding has taught Business Finance, Financial Management, Corporate Finance, Investment Analysis & Portfolio Management, and International Financial Management at both the undergraduate and graduate levels.

Professor Ding's areas of research are in the microstructure of financial markets, corporate governance, international corporate finance, and investments. He has published more than 50 articles in leading academic and professional journals such as the Journal of Banking and Finance, Journal of Empirical Finance, Journal of Futures Markets, Review of Quantitative Finance and Accounting, Journal of

Multinational Financial Management, Journal of Business Finance and Accounting, Financial Review, Pacific Basin Finance Journal, International Journal of Finance, and International Review of Economics and Finance, among others. In 2009, he was listed among the top 3% of the most prolific authors appearing in the 26 core finance journals; in 2005, he was ranked 17th out of 778 researchers from among 170 universities in the Asia-Pacific region by the Pacific Basin Finance Journal. Dr. Ding served as the elected president of the Asian Finance Association, president of the Pacific Basin Financial Management Society, panel of experts on securities offences at the Commercial Affairs Department of the Singapore Police Force, and advisory board member of the journal of the Singapore Exchange. He is a member of the American Finance Association, Financial Management Association International, Asian Finance Association, CFA Institute, CFA New Zealand and the Asian Shadow Financial Regulatory Committee. He is a regional editor of the Journal of Emerging Markets and serves as associate editor of International Review of Financial Analysis, Journal of Emerging Markets, International Journal of Portfolio Analysis and Management, Frontiers of Business Research in China, Journal of Financial Studies, Corporate Governance and Sustainability Review, and International Journal of Banking and Finance. Dr. Ding holds the Ph.D. in Finance from the University of Memphis, an MBA in Finance from the University of Tennessee, and an Honours degree in Business Administration from the University of Windsor, Canada.

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ASBMSR 2020 Tracks' Chairs

Business, Management, Economic, Social Sciences and Humanities Studies

Dr. Tariq Iqbal Khan (Ph. D)

ASBMSR 2020 Research Workshop

“How to Improve the Quality of a Research Article and get it published in Scopus/ISI-Indexed Journals”

Trainer: Dr. Tariq Iqbal Khan (Ph.D.)

In this workshop, we will discuss how to improve the quality of a research article and get it published in good quality journals. Publication is considered as a KPI achievement for academic staff. It is considered to be the best way to enjoy benefits and promotion as a faculty member. In this workshop, trainer will shed light on how to identify a hot research topic, how to find a research gap, importance of a catchy Research Paper Title, what reviewers are looking for in a research article, what editors are expecting from the authors, major reasons of article rejection in good journals, steps and tips to improve article's quality and content, and finding a relevant outlet for your research. Hope this workshop will help the participants improve their understanding about the publication process.

ASBMSR 2020 Best Paper Award Nominees

Implementation of Blended Learning Approach in Language Teaching: EFL Students' Readiness in Indonesia

Insantri Aulia

State University of Yogyakarta, Indonesia

WebQuest: A Teaching and Learning Tool with Virtual Field Trip for Hospitality and Tourism Students

Indrawati, Johara¹, Ciptaningrum, Dyah, Setyowati²

^{1,2} Yogyakarta State University, Indonesia

Minimum Wage Policy and Regional Productivity in Japan

Mawatari, Shigehiro¹, Goto, Mika²

^{1,2} Tokyo Institute of Technology, Japan

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ASBMSR 2020 Best Paper Award Winner

WebQuest: A Teaching and Learning Tool with Virtual Field Trip for Hospitality and Tourism Students

Indrawati, Johara¹, Ciptaningrum, Dyah, Setyowati²

^{1,2} Yogyakarta State University, Indonesia

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Assistant Professor

University of Haripur, Pakistan

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Editor

Dr. Ahmad Saddam (Ph.D.)

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CONFERENCE PROGRAM

DAY 01 Saturday (February 22, 2020)

Welcome Reception & Registration

9:00 am – 09:30 am

Opening Ceremony (09:30 am – 10:30 am)

Venue: Hotel Mystays Ochanomizu Conference Center Tokyo, Japan

09:30 am – 09:40 am	Opening Speech – Ms. Hamizah Coordinator, Global Illuminators
09:40 am – 09:55 am	Keynote Speech- Prof. Dr. David Ding Massey University, New Zealand and Singapore Management University
09:55 am – 10:10 am	Group Photo & Award Ceremony

Grand Networking Session and Tea Break (10:10 am – 10:30 am)

DAY 01 Saturday (February 22, 2020)

Session 1 (10:30 am – 01:00 pm)

Track A: Business, Management Economic, Social Sciences and Humanities

GIMAR-20-103	Analysis Of Article 4 Indonesia Halal Act In International Trade System (Juridical And Economic Aspect)	Tuthi' Mazidatur Rohmah
GIMAR-20-104	Tolerance In Democracy: Conflict Between Wahabis And Aswaja In Indonesia	Cut Lusi Chairun Nisak
GIMAR-20-105	Implementation of Blended Learning Approach in Language Teaching: EFL Students' Readiness in Indonesia	Insantri Aulia
GIMAR-20-109	EFL Teachers' Perceived Benefits and Challenges of Task-based Language Teaching (TBLT) Implementation in Improving Students' Speaking Skills in Indonesia	Novilda Angela Saragih,
GIMAR-20-111	WebQuest: A Teaching and Learning Tool with Virtual Field Trip for Hospitality and Tourism Students	Indrawati, Johara
GIMAR-20-122	Study on the Evaluation of Liquid Fertilizer from Agricultural Wastes	Chen, Lih-Fu
GIMAR-20-123	Minimum Wage Policy and Regional Productivity in Japan	Mawatari, Shigehiro
ASBMSR-20-103	SHRM and Risk Management	Prof. Dr. Christopher Paul
ASBMSR-20-105	Subsequent Stock Repurchases and Their Determinants	Prof. Dr. David K. Ding
ASBMSR-20-111	Discussion on the professional function of the agent of creative design industry from the perspective of cultural capital:Take Taiwan's interior design industry as an example	Ho Yihsien

Lunch Break (01:00 pm – 02:00 pm)

DAY 01 Saturday (February 22, 2020)

Session 2 (02:00 pm – 03:30 pm)

Track A: Business, Management Economic, Social Sciences and Humanities

ASBMSR-20-109	The Effects of Mobile Service Qualities on Customer Reuse Intention of Gojek Super App	Adisthy Shabrina Nurqamarani & Andi Indrawati
MRSSM-0220-ANI101	Computer Science Creates Reasonable Doubt	Tony Zipp
EGER-FEB2020-110	The Effect of Regional Economic Integration on Foreign Direct Investment. Study Cases of Five ASEAN countries and Five outside ASEAN countries in the period 2006 until 2016.	Raihan Imaduddin Rahmat & Quieska Kenya Wicaksono
ASBMSR-20-113	Classification of Author's Online Communities Using RNN based Models	Sojung Kim & Geonhyeong Lee
ASBMSR-20-114	A Study on the Forecasting Model of Delisting Companies by Financial Statement Using Machine Learning	Hyung-Ju Seon

Track B: Engineering, Technology and Applied Studies

TKMAFA-4220-102	Potency of Black Soybean (Glycine Max (L.) Merr.) Tempeh Extract Fermented from Rhizopus Oligosporus as Antioxidant and Hepatoprotector Against Ccl4-Induced Hepatic Fibrosis In Rats (Rattus Norvegicus)	Dyah Ayu Oktavianie, A. Pratama
EASIT-20-102	A New Instance Generator for Scheduling Problems with Unequal-Stage and Unequal-Parallel Machine Options	Jakkrit Latthawanichphan

Closing Ceremony (3:30 pm – 3:45 pm)

3rd International Conference on
Advancements in Social, Business and Management Sciences Research
(ASBMSR-2020)
ASMBSR© 2020 Tokyo, Japan
GI Social Sciences Forum, Kuala Lumpur, Malaysia.

DAY 02 Sunday, (February 23, 2020) **“CITY TOUR”**

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 one day before the tour.



Abstract Proceeding

Abstract Proceeding Book
ASMBSR February 22-23, 2020
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TRACK A: BUSINESS MANAGEMENT & ECONOMIC STUDIES

Analysis of Article 4 Indonesia Halal Act in International Trade System (Juridical and Economic Aspect)

Tuthi' Mazidatur Rohmah^{1*}, Cut Lusi Chairun Nisak²
^{1,2} Gadjah Mada University, Indonesia

Abstract

The aim of this research is answer about the analysis of application of halal mandatory based on Article 4 of Indonesian Halal Product Assurance Law number 33 of 2014 (Indonesia Halal Act) in aspect international trade system. Halal Product Assurance Law provides legal certainty for the protection of the Indonesian Muslim community which reaches a quarter of the muslim population in the world about 207.175.708 people. International trade prohibits any obstacles trade except customs, taxes, and other levies. However, Indonesia establishes halal mandatory of all products that circulate in the territory of Indonesia. This mandatory gives influence of international trade system. This research expected to provide benefits in the form of anticipation by international trade actors, especially the Indonesian government. The result of this study indicate that the application of article 4 of the international trade system has the potential to be an obstacle. Based on methods of attacking non tariff measures from WTO This obstacle is non tariff barriers that are subject to TBT Agreement, while in the economic aspect has potential to make Indonesia become a global halal center supported by the presence of the new institution under government.

Keywords: Article 4, Halal Act, International Trade System.

*All correspondence related to this article should be directed to Tuthi' Mazidatur Rohmah, Gadjah Mada University, Indonesia

Tolerance in Democracy: Conflict Between Wahabis and Aswaja in Indonesia

Chairun Nisak Cut Lusi^{1*}, Rohmah Tuthi' Mazidatur²
^{1,2} Gadjah Mada University, Indonesia

Abstract

Different thoughts on Muslim Religious belief between Ahlusunah wal-jama'ah (Aswaja) and Wahhabism in Indonesia, especially Aceh cause conflict in mid-June 2019. One of the preaching filled by religious leaders who were considered to carry Wahhabism was forcibly dispersed by the masses who declared themselves Aswaja. In Aceh's historical record, conflict of different thoughts has occurred several times. In 2015 this conflict even influenced the emergence of a new policy 'qanun' on the Development and Protection of Aqidah which eventually led to the implementation of Islamic law based on Aswaja's understanding. Wahhabis do not claim to be in the four sects of Islam, they do not like the customs that are deviant and heretical. While Aswaja is oriented towards the Shafi'ite sect. The conflict over this difference invited criticism not only from Aceh people's but also other people. This attitude of intolerance is considered incompatible with democratic and Islamic values. The fact is that harmony of life in diversity has occurred in Aceh. The presence of students and teachers who came from outside during the glory of Aceh until the inclusion of Hindu and Buddhist culture in the culture of the Acehnese people sufficiently colored the history of tolerance in religious diversity and harmony in Aceh. But now it seems that conflicts over these differences occur frequently. Huntington describes in his theory the Clash of Civilization that the main conflicts faced by humanity are no longer ideological and economic problems, but cultural or civilizational differences. This paper wants to see the historical sequence that caused the conflict over different thoughts in Aceh today. This is because the issue of intolerance in Aceh has been in the spotlight lately, especially after the enactment of Islamic Sharia.

Keywords: Tolerance, Democracy, Aceh, Wahabi, Aswaja.

*All correspondence related to this article should be directed to Cut Lusi Chairun Nisak, Gadjah Mada University, Indonesia



Implementation of Blended Learning Approach in Language Teaching: EFL Students' Readiness in Indonesia

Insantri Aulia*

State University of Yogyakarta, Indonesia

Abstract

The use of e-learning in language teaching becomes an important aspect of teaching. It can be seen from the massive use of technology (e.g. hand phone, internet, laptop, etc) during teaching and learning. The aim of this research is to investigate the facilities available to support the implementation of blended learning and to identify the students' readiness in implementing blended learning as an approach in learning English. This research uses a descriptive and quantitative study. Descriptive study will be used to describe the facilities available and students' readiness in implementing blended learning in learning English. Whereas the quantitative study will be used to measure the data gained from questionnaire contains some information related to the facilities available, including the use of internet and e-learning, as well as the students' readiness in implementing blended learning in English. The researcher will spread out the questionnaire into 100 students of public schools at Yogyakarta who have ever use technology during their teaching and learning activity. By conducting this research, the researcher hope that their teachers will be more concern to their approaches selection in teaching English and the students' will be aware of their learning approach that will affect both their teaching and learning quality.

Keywords: students' readiness, e-learning, blended learning, language teaching.

*All correspondence related to this article should be directed to Insantri Aulia, State University of Yogyakarta, Indonesia

EFL Teachers' Perceived Benefits and Challenges of Task-based Language Teaching (TBLT) Implementation in Improving Students' Speaking Skills in Indonesia

Novilda Angela Saragih^{1*}, Ashadi²

^{1,2} Yogyakarta State University, Indonesia

Abstract

The English language is important in this globalization era in which it becomes the most common means of communication. The ability to contribute to world communication would widen opportunities to gain and enrich knowledge, extend social life, interact with more people around the world, and give better career opportunities. However, despite having learned the language for years, many EFL learners are still unable to use the target language appropriately, especially in communication. It is caused by the lack of knowledge and courage to express their ideas in the target language. This study aimed at investigating EFL teachers' perceived benefits and challenges in developing students' speaking skills through the implementation of task-based language teaching (TBLT). The data were obtained by conducting an interview and disseminating a questionnaire. A total of eight English teachers from a school in North Sumatera were purposively chosen due to their experience in implementing TBLT in developing students' speaking skills. Qualitative analysis of this study revealed that teachers perceived TBLT implementation positively. Moreover, students were encouraged to practice more and be more fluent since the provided tasks required them to actively participate and use the target language. However, the challenges occurred regarding the limited practice time, teachers' creativity in designing the materials, and mixed ability of the students who come from a varied educational background and have different learning objectives.

Keywords: communicative competence, EFL teachers, speaking skill, task-based language teaching.

*All correspondence related to this article should be directed to Novilda Angela Saragih, Yogyakarta State University, Indonesia

WebQuest: A Teaching and Learning Tool with Virtual Field Trip for Hospitality and Tourism Students

Indrawati, Johara^{1*}, Ciptaningrum, Dyah, Setyowati²
^{1,2} Yogyakarta State University, Indonesia

Abstract

This study is aimed at developing English teaching and learning materials using virtual field trips for hospitality and tourism students. The teaching and learning tool used in this study is WebQuest. In the 21st century, teachers and the student began to use technology as a tool to support teaching and learning. Virtual field trips are appropriate activities in supporting the teaching and learning process of hospitality and tourism students. The material to be developed in this research is direction and location. Students will be invited to visit several historical places virtually and show the direction and location to get to that place. However, this study uses research and development (R&D) methods which have five stages including need analysis, material development, expert validation, and revision. A teacher and tenth-grade student of the hospitality and tourism department in one of vocational high school Yogyakarta, Indonesia participate in this study. The results of this study indicate that material development using virtual field trips through WebQuest is applicable, appropriate, and attractive enough to be used in teaching and learning. Thus, developing teaching and learning materials using virtual field trips through WebQuest can increase student knowledge about some historical places in the world.

Keywords: WebQuest, Teaching and Learning, Virtual Field Trip, Blended Learning, Vocational High School.

*All correspondence related to this article should be directed to Indrawati, Johara, Yogyakarta State University, Indonesia

Study on the Evaluation of Liquid Fertilizer from Agricultural Wastes

Chen, Lih-Fu^{1*}, Zheng, Jun-Zhong²
^{1,2} SHU-TE University Taiwan

Abstract

The purpose of this study was to build a liquid fertilizer process, general chemical, chemical and biological monitoring, and observe the trends of various processes with process time. Process monitoring includes: pH, temperature, oxidation-reduction potential (ORP), electrical conductivity (EC), number of bacteria and odor, etc. The characteristics of homemade liquid fertilizer are usually acidic and high salinity, and it must be diluted before use. In addition, the initial process of rapid degradation, the number of bacteria can reach more than 10⁹, after about 3 weeks will drop to about 10⁴, and the main components of odor by GC-MASS analysis are carbon dioxide and alcohols. In terms of liquid fertilizer quality control, the liquid fertilizer supernatant promotes the growth of crops more than the original liquid, and has obvious benefits for root system development. The application method or type can improve the quality of liquid fertilizer and reduce production costs.

Keywords: liquid fertilizer, agricultural wastes, microorganism, recycling.

*All correspondence related to this article should be directed to Chen, Lih-Fu, SHU-TE University, Taiwan

Minimum Wage Policy and Regional Productivity in Japan

Mawatari, Shigehiro^{1*}, Goto, Mika²
^{1,2}Tokyo Institute of Technology, Japan

Abstract

Japan's total population and labor force population have been decreasing in recent years. It is anticipated that an economic power is weakened in Japan due to the decreasing population. To restore the Japan's economy, economic policy discussions have begun in the government about minimum wage. There are many researches about effects of minimum wage on economy and productivity in abroad, but there are only a few researches are conducted in Japan. This study examines influence of minimum wage on prefecture-level regional productivity using a stochastic frontier analysis (SFA).

Keywords: Minimum wage, Productivity, Stochastic frontier analysis, Regional Economy, Japan

*All correspondence related to this article should be directed to Mawatari, Shigehiro, Tokyo Institute of Technology, Japan

SHRM and Risk Management

Prof. Dr. Christopher Paul*
DHBW Mannheim, Germany

Abstract

Scope of study: The main focus of this project is the design of an HR risk management system. Problem statement: Risk management has become an established business function in theory and practice over the past decades (Renn, 1998). So it is not surprising that sophisticated models have been developed for the risk management of credit defaults, market movements and interest rate risks (Hull, 2019). In contrast, qualitative aspects of corporate risk management can be seen as a blind spot (Sillaber/Breu, 2015), both theoretically and empirically. Empirical studies and theoretical driven concepts of HR risk management systems are still missing in the literature. However, new legal regulations require that companies integrate qualitative considerations into their company-wide risk management (e.g. Basel III, KonTraG, TransPuG). Since Strategic Human Resource Management (SHRM) is a decisive factor for organisational effectiveness and success (Boxall/Purcell, 2003; Lee, 2008; Gmur/Schwerdt, 2008), corporate HR should be part of the company-wide risk management. SHRM is therefore faced with the challenge of defining what kind of risks with regard to the different types of HR strategy and HR instruments can emerge. Methodology: Based on the theoretical framework of the Resource based View (Wernerfelt, 1984) and the HRM approach (Tichy et al., 1981), the poster presentation explores how a HR risk management system could be theoretically designed, what risks are included and what implications for the future design of HR risk management systems could emerge. We give an first empirical insight (based on explorative interviews) how companies respond to this new challenge and how HR risks are included in their company-wide risk management systems. Results and Implications: This paper wants to close that gap and should be a starting point for an increasing international discussion on how to handle HR risks.

Keywords: HR Risk Management, Strategic Human Resource Management, Resource based View, case study.

*All correspondence related to this article should be directed to Prof. Dr. Christopher Paul, DHBW Mannheim, Germany

Subsequent Stock Repurchases and their Determinants

**David K. Ding^{1*}, Hardjo Koerniadi², Chandrasekhar
Krishnamurti³**

¹Massey University and Singapore Management University,
²Auckland University of Technology, ³University of South Australia

Abstract

We document that the significant decline in open market share repurchase announcement returns is due to recent increases in the number of subsequent announcements. Although the announcement period returns of initial repurchase programs launched by repeat repurchasing firms is, on average, positive, their subsequent announcement returns have decreased. We attribute this finding to firms with negative past repurchase announcement returns. Our results are consistent with the notion that managers endowed with hubris drive the decreasing subsequent repurchase announcement returns.

Keywords: Open market share repurchase; hubris; cumulative announcement returns; endowed.

*All correspondence related to this article should be directed to David K. Ding, Massey University and Singapore Management University, Singapore

The Effects of Mobile Service Qualities on Customer Reuse Intention of Gojek Super App

**Adisthy Shabrina Nurqamarani^{1*}, LCA Robin Jonathan²,
Elvyani NH Gaffar³, Andi Indrawati⁴**

^{1,3,4} University of 17 Agustus 1945 Samarinda, Indonesia,

² Mulawarman University, Indonesia

Abstract

The trend of mobile application has altered the way business operates. Importance of mobile application arises because of massive increase of users utilizing internet on mobile phone for various things. Gojek is the first super app in the world at once the first “decacorn” company in Indonesia. As Gojek develops a super app, it requires Gojek to have developed systems in order to reach their goals in increasing customer satisfaction and maintaining customer reuse intention. Understanding factors affecting reuse intention of an app is necessary for the companies. This study determines the dimensions of mobile service quality and their effect on customer reuse intention. In this study, we determine the dimensions of mobile service quality and their effect on satisfaction and re-intention to use. We also examine most dominant factor influence the customer satisfaction and reuse intention to use.

Keywords: mobile service quality, customer satisfaction, repurchase intention.

*All correspondence related to this article should be directed to Adisthy Shabrina Nurqamarani, University of 17 Agustus 1945 Samarinda, Indonesia

Discussion on the professional function of the agent of
creative design industry from the perspective of cultural
capital:Take Taiwan\'s interior design industry as an
example

Ho Yihsien*
Yuan Ze University, ROC

Abstract

Since the UK developed the idea of "turning ideas into economic activities", the creative industries have become one of the major trends in the development of a new economy around the world. For the creative industries, without market support, the results of the creative can not be achieved in concrete, and ultimately can not produce economic value. Therefore, the creative industry needs the role of agent, play the bridge between consumers and the market, on the one hand to protect the creative spirit of the creator, on the other hand to shape the value of the work, enhance the influence of the creator. Based on the characteristics of the industry, this study summarizes the creative industries into four categories: culture and art, creative design, creative services and communication content, from the perspective of Pierre Bourdieu's capital culture 1 in 〈The Forms of Capital〉. To explore the interior design industry in the creative design industry, and take Taiwan as the research object, through expert interviews and questionnaires, summarize the structure of 〈PRINCIPAL〉 as a reference for the cultivation of brokers in the future.

Keywords: capital culture, agent, creative industries, professional function.

*All correspondence related to this article should be directed to Ho Yihsien, Yuan Ze University, ROC

Classification of Author's Online Communities Using RNN based Models

Sojung Kim¹, Geonhyeong Lee², Zoonky Lee^{3*}

^{1,2,3} Graduate School of information, Yonsei University, Seoul,
Korea

Abstract

Unlike the past when people communicated with each other through face-to-face interaction, cyber space has become an important place for social interaction as information technology has developed. Those social groups which emerge within the Internet space, such as Internet clubs and cafes, are called Internet communities. According to a prior study, it can be said that collective identities formed by Internet communities affect users' language patterns and personal identities. Therefore, we assumed that the topics or the tone and manner of postings written by a person in the online space will vary depending on the online community to which the user belongs to. Based on these assumptions, we selected three Korean online communities and conducted a study which classifies the online communities where people belong to, based on the postings they left online by using some RNN based models. The model which performs best derived through hyperparameter tuning was 2-layer biLSTM model with the accuracy of 75.9%. In this study, due to constraints on data collection and preprocessing, postings only about political issues in three communities were analyzed. Expanding this study will give you extensive information on individual characteristics and values. It could be expected to be used in target marketing or digital forensics.

Keywords: Classification, Deep learning, Natural Language Processing, Online Community.

*All correspondence related to this article should be directed to Zoonky Lee, Professor, Graduate School of information, Yonsei University, Seoul, Korea

A Study on the Forecasting Model of Delisting Companies by Financial Statement Using Machine Learning

Hyung-Ju Seon^{1*}, Gun-Hyung Lee², So-Jung Kim³

^{1,2,3} Graduate School of Information, Yonsei University, Seoul, Korea

Abstract

This paper deals with a model for predicting companies to abolish listing based on financial statements. In this work, we used the financial statements of 200 listed and de-listed firms respectively. Since there is not much data from a delisted firm, we used a variety of variable selection method and observed the model's performance for each case.

Keywords: Financial analysis, Failure prediction, Support-Vector Machine, Random-Forest, Neural Network.

*All correspondence related to this article should be directed to Hyung-Ju Seon, Graduate School of Information, Yonsei University, Seoul, Korea

The Effect of Regional Economic Integration on Foreign Direct Investment. Study Cases of Five ASEAN countries and Five outside ASEAN countries in the period 2006 until 2016

Raihan Imaduddin Rahmat^{1*}, Quieska Kenya Wicaksono²
^{1,2} Parahyangan Catholic University, Bandung City, Indonesia

Abstract

Foreign direct investment (FDI) has become the main focus study in international trade activities, especially for countries that are members of regional economic integration. This study wants to see the effect of regional economic integration on foreign direct investment in five ASEAN countries which is a member of regional economic integration (Indonesia, Malaysia, Singapore, Thailand, Philippines) and five countries outside ASEAN (China, Japan, South Korea, India, Israel) from 2006 until 2016 period. This research using panel data of export, GDP (Gross Domestic Product), exchange rate, and taxes on international trade. The data were analyzed using panel least squares (PLS) in regression analysis for five ASEAN countries and five countries outside ASEAN. This study also wants to see the effect of export value, GDP (Gross Domestic Product), exchange rate, and taxes on international trade can influence investors' decisions to carry out foreign direct investment activities. The results of this study will be considered to determine strategies and policies to influence more investors to carry out FDI in a country.

Keywords: Foreign Direct Investment, Integration Regional Economic.

*All correspondence related to this article should be directed to Raihan Imaduddin Rahmat, Parahyangan Catholic University, Bandung City, Indonesia

Computer Science Creates Reasonable Doubt

Tony Zipp*

1533 Patchett Road Quesnel, B. C., Canada

Abstract

This paper focuses on the intersection and cooperation between computer science and criminal law. It highlights the importance of HASH values, GUID numbers and user registries in either establishing possession at law or creating a reasonable doubt. This traces the beginning of a criminal investigation based on files with specific HASH values designated as illegal content being downloaded to a specific IP address which caused a search warrant to be issued for the seizure of electronic devices, the arrest of the computer user and prosecution of him for possessing and distributing illegal material. From his perspective, he was steadfast that he had no knowledge of the material on his system. He had encountered significant difficulties with his system and suspected hacking or malware but had no definitive proof of that. The paper illustrates how a computer science professor provided expert evidence at trial based on anecdotal, field study and literature review to establish the ubiquity of malware and hacking to invade the systems of unsuspecting shareware users and store illegal materials. Significantly, the professor noted the presence of two distinct file sharing programs which the prosecution was unable to explain and thus give credibility to the user's consistent statement that he had no knowledge of the presence of the offending material on his system.

Keywords: Reasonable Doubt.

*All correspondence related to this article should be directed to Tony Zipp, 1533 Patchett Road Quesnel, B. C., Canada



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TRACK B: COMPUTER, ENGINEERING, TECHNOLOGY & APPLIED SCIENCES

A New Instance Generator for Scheduling Problems with Unequal-Stage and Unequal-Parallel Machine Options

**Jakkrit Latthawanichphan^{1*}, Watchara Songserm², Teeradej
Wuttiornpun³**

^{1,3} Department of Industrial Engineering, King Mongkut's
University of Technology North Bangkok, Thailand

² Department of Mechatronics and Automated Manufacturing
Systems Engineering,
Rajamangala University of Technology Phra Nakhon, Thailand

Abstract

This research aims to develop a new instance generator for scheduling problems called IGSP. There are three main features differentiate IGSP and existing instance generators (IGs). Firstly, IGSP is capable of generating data sets for various production shops such as single machine, parallel machines, flow shop, and job shop (not for a specific production shop) with sequence-dependent setup time (SDST). Secondly, in multi-stage problems (flow shop and job shop), a number of stages of each job are allowed to be unequal (unequal stages). Finally, a number of parallel machines in each stage of multi-stage problems are allowed to be unequal. The last two features make data sets obtained from IGSP more realistic than other IGs. In addition, IGSP provides a very comprehensive graphic user interface along with well-organized output text files. The researchers can use it to evaluate their scheduling algorithms as well as to determine benchmark problem instances.

Keywords: instance generator, scheduling problems, unequal stages, unequal machines, SDST.

*All correspondence related to this article should be directed to Jakkrit Latthawanichphan., Department of Industrial Engineering, King Mongkut's University of Technology North Bangkok, Thailand



Available online at www.gissf.com

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ISBN: 978-969-695-056-1

Potency of Black Soybean (*Glycine Max (L.) Merr.*)
Tempeh Extract Fermented from *Rhizopus Oligosporus*
as Antioxidant and Hepatoprotector Against Ccl4-
Induced Hepatic Fibrosis in Rats (*Rattus Norvegicus*)

**Dyah Ayu Oktavianie, A. Pratama^{1*}, Hana Razanah², Eki
Bahtiar³, Aulanni²am⁴**

^{1,2,3,4} Faculty of Veterinary Medicine, Universitas Brawijaya,
Malang, Indonesia

⁴ Department of Biochemistry, Faculty of Mathematics and Natural
Science, Universitas Brawijaya, Malang, Indonesia

Abstract

Hepatic fibrosis is an accumulation of extracellular matrix protein due to response of chronic liver disease. CCl₄ compound could induce oxidative stress and lead to hepatic fibrosis. Black soybean (*Glycine max (L.) Merr.*) contained highest isoflavone content than other types of soy. Fermented black soybean tempeh derived from *Rhizopus oligosporus* will generate higher isoflavone due to anaerobic metabolic reaction and produce fibrinolytic enzyme which could hydrolyze fibrin substrate. This research was aimed to determine the potency of fermented black soybean tempeh extract as antioxidant and hepatoprotector towards GGT-SOD activities and liver histopathology in hepatic fibrosis rats (*Rattus norvegicus*) induced by CCl₄. This research was used 5 control group: negative control group, positive control group induced by CCl₄ 20% twice weekly for 2 weeks then CCl₄ 25% twice weekly for 4 weeks with 0.2 mL/100gBW volume, and therapy group number 1, 2 and 3 which was given fermented black soybean tempeh extract with dose 200 mg/kg BW, 400 mg/kg BW, 800 mg/kg BW respectively, with volume 2 mL. Measurement of GGT and SOD activities were conducted using spectrophotometer methods and analyzed statistically quantitative, while liver histopathology was observed by Hematoxylin-Eosin staining and analyzed descriptive qualitatively. The research results showed that fermented black soybean tempeh extract significantly ($p < 0.05$) decrease GGT activity, increase SOD activity and could repair the liver damage. Dose of 800 mg/kg BW was the effective dose for decreasing GGT and increasing SOD with level of 58,4% and 28,8% respectively. It can be concluded that fermented black soybean tempeh extract has a potency as antioxidant and hepatoprotector, proved by the reduction of GGT activity, enhancement of



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SOD activity, and refinement of liver histopathology, so it can be used as alternative therapy for hepatic fibrosis.

Keywords: Fermented black soybean (*Glycine max* (L.) Merr.), tempeh, *Rhizopus oligosporus*, hepatic fibrosis, GGT, SOD, liver histopathology.

*All correspondence related to this article should be directed to Dyah Ayu Oktavianie, A. Pratama, Universitas Brawijaya, Malang, Indonesia

Multi-Step Project Risk Analysis Model Utilizing Artificial Neural Network

**Dr.Dante L.Silva^{1*}, Engr.Bernard S.Villaverde², Engr. Kevin
Lawrence de Jesus³, Al Aegean C.Reducto⁴, Warren Mark
D.Urmanita⁵, Frederick Marco C.Villamar⁶**
^{1,2,3,4,5,6}Mapua University, Philippines
Abstract

There is no other industry that requires proper application of business practices such as construction industry, because construction is a risky industry. The main objective of this research is to develop a predictive multi-step project risk analysis model for construction projects utilizing Artificial Neural Network (ANN). Extensive meta-analysis is used to be able to determine the different correlates for the risks in a construction project in Metro Manila. A questionnaire was designed and forty-five risks were identified and categorized in three main categories as follows: Project Management, Quality Management and Cost Management. The validity and reliability of the questionnaire was assessed in cronbach alpha and show that the instrument was very reliable since 0.96578 is in between the 0.8-1.0. Criticality of risk were evaluated through 100 questionnaires which were distributed within 6 places within Metro Manila namely Caloocan City, Malabon City, Manila City, Pasay City, Quezon City and Valenzuela City. The gathered data were assessed and produce a predictive model utilizing Artificial Neural Network. The interaction between the risks are recognized utilizing correlational matrix using Matlab. Thus, the researchers was able to create a risk management and risk response action plan that can help construction projects on preventing risks.

Keywords: AAL, Devices identifying system, Deep Learning, MLP, Template.

*All correspondence related to this article should be directed to Dr.Dante L.Silva, Mapua University, Philippines

FUTURE EVENTS

3rd INTERNATIONAL CONFERENCE ON

“Global Issues in Social Sciences, Psychology and Business Management (GISSPBM-2020)”



Date: March 21-22, 2020

Venue: Mercure Hotel Amsterdam City, Netherlands

Email: gisspbm@gissf.com

Abstract Submission Date: February 25, 2020

Full Paper Submission Date: March 10, 2020

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

Conference Main 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
- For more details visit <http://gissf.com/>

3rd INTERNATIONAL CONFERENCE ON

“Sustainable Development in Information Technology,
Business and Social Sciences (SDITBSS-2020)”



Date: April 04-05, 2020

Venue: Regal Oriental Kowloon, Hong Kong

Email: sditbss@gissf.com

Abstract Submission Date: March 15, 2020

Full Paper Submission Date: March 20, 2020

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

Conference Main Tracks

- Social and Community Studies
- Arts
- Humanities
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- Cultural & Global Studies
- Environmental Studies
- Organizational Studies
- Educational and Communication Studies
- Economics, Finance & Accounting
- Business and Management Studies
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3rd INTERNATIONAL CONFERENCE ON
“Law, Business, Education and Social Sciences
(LBESS-2020)”



Date: June 14-15, 2020

Venue: Novotel London Waterloo Hotel, UK

Email: lbess@gissf.com

Abstract Submission Date: May 15, 2020

Full Paper Submission Date: May 30, 2020

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

Conference Main 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
- For more details visit <http://gissf.com/>

3rd INTERNATIONAL CONFERENCE ON

“Dynamics of Management and Economic Research
(DMER-2020)”



Date: June 20-21, 2020

Venue: Novotel Barcelona Sant Joan Despi, Spain

Email: dmer@gissf.com

Abstract Submission Date: June 05, 2020

Full Paper Submission Date: June 10, 2020

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

Conference Main Tracks

- Social and Community Studies
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- Civic and Political Studies
- Cultural & Global Studies
- Environmental Studies
- Organizational Studies
- Educational and Communication Studies
- Economics, Finance & Accounting
- Business and Management Studies
- For more details visit <http://gissf.com/>

3rd INTERNATIONAL CONFERENCE ON

“Emerging Issues in Economics , Social Sciences and
Business Management(EIESSBM-2020)”



Date: July 11-12, 2020

Venue: The Federal Kuala Lumpur Malaysia

Email: eiessbm@gissf.com

Abstract Submission Date: June 25, 2020

Full Paper Submission Date: June 30, 2020

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

Conference Main 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
- For more details visit <http://gissf.com/>

3rd INTERNATIONAL CONFERENCE ON

“Recent Development in Economics, Business Management
and Information Technology (RDEBMIT-2020)”



Date: August 15-16, 2020

Venue: The Howard Plaza Hotel Taipei, Taiwan

Email: rdebmit@gissf.com

Abstract Submission Date: July 10, 2020

Full Paper Submission Date: August 05, 2020

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

Conference Main 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
- For more details visit <http://gissf.com/>

4th INTERNATIONAL CONFERENCE ON

“Academic Research in Social Sciences and Humanities
(ARSSH-2020)”



Date: August 29-30, 2020

Venue: Mercure Hotel Amsterdam City, Netherlands

Email: arssh@gissf.com

Abstract Submission Date: August 10, 2020

Full Paper Submission Date: August 14, 2020

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

Conference Main 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

CSR



Charities

Environment

Public Health



Growth and
Development



Sustainability



CSR

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

In 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 sports activation that can be an alternative activity for children against the negative impact of internet
3. Social activity and charity engaging orphans to enjoy sports 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 fellowshiping 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 activity 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:







ASBMSR

2020

Vision

Researching and developing to
promote innovation

Core Values

Capacity building, learning of new
insights and innovation.



MALAYSIA OFFICE ADDRESS:
125, Jalan Setia 5, Jinjang Utara, 52000, Kuala Lumpur Malaysia.
Email: infor@gissf.com
Website: www.gissf.com