



# 10<sup>TH</sup> INTERNATIONAL BORNEO BUSINESS CONFERENCE (iBBC) 2022

"Diversification of Economy and Business Sustainability: Opportunities and Challenges"

19<sup>TH</sup> - 21<sup>ST</sup> SEPTEMBER 2022

RAIA HOTEL & CONVENTION CENTRE KUCHING, SARAWAK

## CONTACT INFO

IBBC 2022 Conference Secretariat  
Faculty of Economics & Business  
Universiti Malaysia Sarawak  
94300 Kota Samarahan  
Sarawak, Malaysia

Phone No : +6082-580000 ext.4292, 4290  
Fax No +6082-583999 | Email : [ibbc10th@gmail.com](mailto:ibbc10th@gmail.com)



Main Organizer



Co-Organizers



<http://www.conference.unimas.my/IBBC2022/en/>

# Content

<b>Content</b> .....	2
<b>Editorial Committee</b> .....	3
<b>Conference Working Committee</b> .....	4
<b>Preface</b> .....	5
<b>Message From The Vice Chancellor of Universiti Malaysia Sarawak</b> .....	5
<b>Message From The Dean of Faculty of Economics and Business</b> .....	6
<b>Message From The Chairperson iBBC 2022</b> .....	7
<b>Keynote Speaker and Academic Workshop</b> .....	8
<b>Conference Program</b> .....	9
<b>Conference Presentation</b> .....	10
<b>Parallel Session 1</b> .....	10
<b>Parallel Session 2</b> .....	12
<b>Parallel Session 3</b> .....	14
<b>Parallel Session 4</b> .....	16

# Editorial Committee

<i>Editor</i>	<b>Mohd Khairul Hisyam Hassan</b> <b>Nur Zaimah Ubaidillah</b> <b>Damien Lee lung Yau</b> <b>Mohd Sabrun Ibrahim</b> <b>Nurul Syuhada Zaidi</b>	<i>Editorial Advisory Board</i>	<b>Mohd Khairul Hisyam Hassan</b> <b>Nur Zaimah Ubaidillah</b> <b>Evan Lau Poh Hock</b> <b>Muhammad Asraf Abdullah</b> <b>Salawati Sahari</b> <b>Shirly Wong Siew Ling</b>
---------------	---	---------------------------------	---

<i>Reviewer</i>	<b>Evan Lau Poh Hock</b> Universiti Malaysia Sarawak <b>Rosita Hamdan</b> Universiti Malaysia Sarawak <b>Audrey Liwan</b> Universiti Malaysia Sarawak <b>Nor Afiza Abu Bakar</b> Universiti Malaysia Sarawak <b>Farhana Ismail</b> Universiti Malaysia Sarawak <b>Nur Zaimah Ubaidillah</b> Universiti Malaysia Sarawak <b>Mohd Khairul Hisyam Hassan</b> Universiti Malaysia Sarawak <b>Shafinah Begum Abdul Rahim</b> Universiti Malaysia Sarawak <b>Salawati Sahari</b> Universiti Malaysia Sarawak <b>Asri Marsidi</b> Universiti Malaysia Sarawak <b>Nurul Izza Abd. Malek</b> Universiti Malaysia Sarawak <b>Nurul Syuhada Zaidi</b> Universiti Malaysia Sarawak <b>Joanne Shaza Janang</b> Universiti Malaysia Sarawak <b>Damien Lee lung Yau</b> Universiti Malaysia Sarawak <b>Sin Kit Yeng</b> Universiti Malaysia Sarawak <b>Janifer Anak Lunyai</b> Universiti Malaysia Sarawak <b>Nordiana Ahmad Nordin</b> Universiti Malaysia Sarawak <b>Irma Yazreen Md Yusoff</b> Universiti Malaysia Sarawak <b>Sharifah Sabrina Syed Ali</b> Universiti Malaysia Sarawak <b>Nur Fitriana Hamsyi</b> Universitas Tanjungpura <b>Helma Malini</b> Universitas Tanjungpura <b>Raffles Ginting</b> Universitas Tanjungpura <b>Erni Panca Kurniasih</b> Universitas Tanjungpura <b>Elok Heniwati</b> Universitas Tanjungpura <b>Nur Afifah</b> Universitas Tanjungpura <b>Ilzar Daud</b> Universitas Tanjungpura <b>Wenny Pebrianti</b> Universitas Tanjungpura <b>Ramadania</b> Universitas Tanjungpura <b>Restiatun</b> Universitas Tanjungpura
-----------------	---

# Conference Working Committee

## *Conference Chairs*

**Mohd Khairul Hisyam Hassan  
Nur Zaimah Ubaidillah**

## *Treasurer*

**Ahmad Syubaili Mohamed  
Esmie Obrin Nichol  
Nora Chung**

## *Secretariat*

**Mohd Khairul Hisyam Hassan  
Nur Zaimah Ubaidillah  
Nur Nadhira Baharuddin  
Joanne Shaza Janang  
Nurul Syuhada Zaidi  
Damien Lee Lung Yau  
Farah Dipah Khalid  
Mohd Sabrun Ibrahim**

## *Protocol and Invitation*

**Nurul Izza Abd. Malek  
Haslan Ottot  
Farhana Ismail  
Kartika Barmawi  
Dayangku Zyzy Cemylya Awang Rahmat  
Shafflene Samen  
Fettie Nadia Salleh  
Siti Fatimah Mahamaddin  
Isfalynda Ismail**

## *Logistic and Technical*

**Awang Zainal Abidin Awang Mohamad  
Mohammad Adlizan Sahari  
Hairullizam Azemi  
Hailman Bawi  
Ayu Kartika Abd. Wahab  
Ratnadewi Majali  
Mazlini Jemali  
Norafini Sahat  
Nora Chung**

## *Promotion, Website and Sponsorship*

**Audrey Liwan  
Nordiana Ahmad Nordin  
Sin Kit Yeng  
Hairullizam Azemi**

# Preface

## Message From the Vice Chancellor of Universiti Malaysia Sarawak Professor Datuk Dr. Mohamad Kadim Suaidi



Assalamualaikum Warahmatullahi Wabarakatuh and greetings from Universiti Malaysia Sarawak.

It is a great honour for me to welcome all esteemed guests and participants to the 10th International Borneo Business Conference 2022 (#ibbc2022). My heartiest congratulations to the Faculty of Economics and Business Universiti Malaysia Sarawak (UNIMAS) for organizing this conference.

As the world is currently facing a macroeconomic catastrophe sparked by the COVID-19 pandemic, UNIMAS welcomes the theme of this conference “Diversification of the Economy and Business Sustainability: Opportunities and Challenges” in which we are committed to identify the opportunities carefully and constructively as well as overcome the challenges in the current economy so that the Sustainable Development Goals (SDGs) can be reached. It is vital that we understand our strengths and weaknesses to diversify our economy and ensure that the sustainability of the local community can be achieved. Expertise in economics and business is required to survive and flourish in this debt-driven economic crisis.

It is hoped that this conference can be a platform for academics to share their valuable ideas and discuss how those ideas can be applied in various contexts. Consequently, UNIMAS serves to make sure that we communicate such crucial information that would address business challenges and opportunities to the community.

Finally, I would like to take this chance to congratulate the conference organizers for putting on a successful event. I am hoping that this conference will aid in achieving the SDG goals. I wish all participants a fruitful conference.

Wassalamualaikum Warahmatullahi Wabarakatuh.

## Message From the Dean of Faculty of Economics and Business Professor Dr. Rossazana Ab Rahim



Bismillahirrahmanirrahim. Assalamu 'alaikum warahmatullahi wabarakatuh.

A warm welcome to participants of the 10th International Borneo Business Conference 2022 (#ibbc2022) conducted in both physically and online modes.

This conference has always served as a platform for academics and industry professionals to share the results of their extensive research in a variety of business-related topics. The theme for this year, "Diversification of the Economy and Business Sustainability: Opportunities and Challenges," offers a significant change in many ways, especially for the Business and Economics researchers, as it encourages them to go above and beyond the norm to develop a business environment that is more holistic and, in turn, effectively translates for the benefit of the community. This type of engagement is essential for sustaining business risks and problems within the society.

The conference's goals are to examine the problems, opportunities, and difficulties facing Borneo's economy and business as well as the world at large; and fostering the exchange of concepts and the most recent information on issues affecting the global economy that are critically and analytically analysed based on empirical investigations.

COVID-19 pandemic has created significant and profound impacts on the business corporate and our society at large, and we take this opportunity to encourage researchers to continue developing their interests and abilities to conduct research under this circumstance. This platform is a manifestation of our continued support and inspiration to our researchers and practitioners; they would not only present and share their research findings, but also construct a global network while learning the most recent advancement and growth of research in the business area.

The organizing committee, secretariat, committee members, and supporting staff deserve praise and genuine appreciation for their arduous efforts and dedication in making sure that this first hybrid conference is done effectively. I hope the presenters have a fantastic sharing session and I wish them luck. Finally, I wish for all attendees to find this conference to be useful and full of amazing opportunities for knowledge and experience sharing.

Thank you.

## Message From the Chairperson iBBC 2022 Dr. Mohd Khairul Hisyam Hassan



Bismillahirrahmanirrahim. Assalamualaikum warahmatullahi wabarakatuh and greetings.

I am delighted to welcome you to the 10th International Borneo Business Conference 2022 at the Raia Hotel and Convention Centre from 19th to 21st September 2022 in Kuching, Sarawak, Malaysia. The Covid-19 pandemic knows no boundary, it affects not only lives but also the sustainability of businesses and livelihood of people from all background. The state of Sarawak is no exception. However, the restructuring and diversification of state economy has helped in cushioning its detrimental impact. The Sarawak Government intends to continue diversifying its economy by concentrating on agricultural modernisation, infrastructure improvement, tourist advancement, and human capital development, as described in the Post Covid-19 Development Strategy (PCDS) 2030.

In this vein, with the theme "Diversification of Economy and Business Sustainability: Opportunities and Challenges"; the conference aims to provide opportunities for academics and industry experts to share information on economic diversification, digitalization, and business transformation issues. This conference also intends to develop young scholars by strengthening their thinking ability and self-sufficiency in specific research interests.

On behalf of the organizing committee of the IBBC2022, I would like to extend my sincere appreciation to Professor Datuk Dr. Mohammad Kadim Suaidi, Vice Chancellor of Universiti Malaysia Sarawak (UNIMAS) and Profesor Dr. Rossazana Ab-Rahim, Dean of Faculty of Economics & Business, for their consistent support towards the success of this conference. Furthermore, I would like to extend my gratitude to all the distinguished speakers and delegates for the contributions of ideas and knowledge.

Finally, I am indebted to the co-chairman of IBBC2022, Dr. Nur Zaimah Ubaidillah and the committee members who had worked very hard to ensure the success of this conference. To participants who are visiting Sarawak for the face-to-face conference, it is a lifetime experience to be enchanted with Borneo's rainforest and national parks. I hope you will enjoy your stay in Kuching, the Land of the Hornbills.

Thank you.

# Keynote Speaker and Academic Workshop



Keynote Speaker 1:

**Dato' Amir Omar**

*Sarawak Federal Secretary's Office, Prime Minister's Department*

"Labor Supply for Strong and Sustainable Growth of Malaysia Workforce"

Keynote Speaker 2:

**Dr. Ronald Mutasa**

*World Bank's Practice Leader, Human Development Philippine, Malaysia, Thailand, and Brunei*

"Social Protection in the Era of the COVID-19 Pandemic in Malaysia"



Academic Workshop 1:

**Dr Marigliano Piergiorgo**

*Universita Degli Studi Del Sannio, ITALY*

"Phyton Programming Workshop"

Academic Workshop 2:

**Professor Dr. Lean Hooi Hooi**

*Universiti Sains Malaysia, MALAYSIA*

"Workshop on Advanced Econometric Analysis of Sustainable Energy and Environment"





# Conference Program



19 September 2022 (Monday)

- 0800 – 0900 Registration of Participants  
0900 – 1000 Speech by The Conference Chairman  
**Dr. Mohd Khairul Hisyam Hassan**  
Welcoming Speech by Vice Chancellor of UNIMAS  
**YBhg. Prof. Datuk Dr. Mohamad Kadim bin Suaidi**  
Officiating Ceremony by Chairman of Board of Director UNIMAS  
**YBhg. Tan Sri Datuk Seri Panglima Sulong bin Matjeraie**
- 1000 – 1045 Refreshment  
1045 – 1130 Keynote Speaker 1: Sarawak Federal Secretary  
**Dato' Amir Omar**
- 1145 – 1230 Keynote Speaker 2: World Bank's Practice Leader, Human Development  
Philippine, Malaysia, Thailand and Brunei  
**Dr. Ronald Mutasa**
- 1230 – 1400 Lunch Break  
1400 – 1600 Parallel Session 1  
1900 – 2300 Conference Dinner  
Best Paper Award



20 September 2022 (Tuesday)

- 0800 – 0830 Registration of Participants  
0830 – 1030 Parallel Session 2  
1030 – 1100 Tea Break  
1100 – 1300 Parallel Session 3  
1300 – 1430 Lunch Break  
1430 – 1630 Parallel Session 4



21 September 2022 (Wednesday)

- 0800 – 0830 Registration of Participants  
0830 – 1000 Academic Workshop 1  
**Dr Marigliano Piergiorgo, Universita Degli Studi Del Sannio, ITALY**
- 1000 – 1030 Tea Break  
1030 – 1200 Academic Workshop 2  
**Professor Dr. Lean Hooi Hooi, Universiti Sains Malaysia, MALAYSIA**
- 1300 – 1430 Lunch Break and Closing Ceremony

# Conference Presentation

## Parallel Session 1

	Paper Title	Pg.	
@ Bilik Mulu 9	<b>Unfolding the Fund Characteristics Drivers on Mutual Fund Growth in Malaysia</b> <i>Sofi Mohd Fikri</i> Reference ID: 008	18	Accounting and Finance
	<b>The Influence of Average Dividend Yield, Inflation Rate and Unemployment Rate on The Profitability of Office-Based Malaysian Real Estate Investment Trusts (M-Reits)</b> <i>Voong Wee Min, Sahari Salawati, Nivakan Sritharan, Cheuk Choy Sheung Sharon</i> Reference ID: 066	19	
	<b>The Effects of Indonesia's Capital Structure Policies on the Value of Indonesian Companies on the Indonesian Stock Exchange</b> <i>Helma Malini, Elga Yulindisti</i> Reference ID: 025	20	
	<b>Intellectual Capital and Financial Performance of Islamic Banks: Evidence from Malaysia and Indonesia</b> <i>Chai Siew Joo, Ahmad Syubaili Mohamed</i> Reference ID: 053	21	
@ Bilik Mulu 7	<b>Impact of Consumer Inertia on Mobile Commerce Adoption Under the Influence of Market Isomorphism Effects</b> <i>Tiu Chai Hui, Dayang Affizzah binti Awang Marikan</i> Reference ID: 056	22	Business and Management
	<b>The Contribution of Fishing Women on Family Income During Covid-19 Pandemic</b> <i>Norlaila Abdullah Chik, Faraliza Azura Ramli, Nor Suzylah Sohaimi</i> Reference ID: 016	23	
	<b>Critical Success Factors for Sustainable Entrepreneurship in Cambodia: A Conceptual Framework</b> <i>Yamuna V. Sithambalam</i> Reference ID: 038	24	
	<b>Analysis Of the Effectiveness of Negotiations Using E-Negotiations (Case Study in Public Sector)</b> <i>Nurwahyu Puji Utami; Lutfi Auliarahman, Desy Mayasari</i> Reference ID: 045	25	
	<b>Examining Ecotourism Destinations Competitiveness and the Moderating Impact of Social Media Marketing: Post-COVID-19 Propositions for Ecotourism Industry Actors</b> <i>Thong Jun Zhou, Lo May Chiun, T. Ramayah, Abang Azlan Mohamad</i> Reference ID: 049	26	
	<b>Job Demands– Resources and Flourishing: Exploring Organizational Identification as a Potential Mediator in the Universities of Pakistan</b> <i>Quratulain Memon, Dr Irma Yazreen binti Md Yusoff</i> Reference ID: 068	27	

Paper Title		Pg.
@ Bilik Mulu 8	<b>Environmental Issues in the Mekong River Region: A Mitigation Model Based on Information Communications Technology</b> <i>Riccardo Corrado, Audrey Liwan, Upalat Korwatanasakul</i> <i>Reference ID: 006</i>	28
	<b>A Study on User Intention to Commute Using Autonomous Rail Transit</b> <i>Siti Nur Fatin Morshidi, Nur Zaimah Ubaidillah, Farhana Ismail</i> <i>Reference ID: 026</i>	29
	<b>Mirror-Mirror on the Wall, What Job Mismatch Measurements of All?</b> <i>Borhan Sareya Abdullah, Ibrahim Mohd-Sabrun</i> <i>Reference ID: 004</i>	30
	<b>Determinants of Income Inequality in Indonesia</b> <i>Paulina, Metasari Kartika, Erni Panca Kurniasih, Windhu Putra</i> <i>Reference ID: 020</i>	31
	<b>The Financial Inclusion-Environmental Quality Nexus: Do Information and Communication Technologies Make a Difference?</b> <i>Laela Rizki Fauzia, Irwan Trinugroho, Suryanto</i> <i>Reference ID: 054</i>	32

Economics

## Parallel Session 2

Paper Title		Pg.	
@ Bilik Mulu 9	<b>Measuring Financial Inclusivity: The Pursuit of Eradicating Poverty in Sarawak</b> <i>Nur Juaini Fazarina Julaihi, Azilawati Banchit</i> Reference ID: 013	33	Accounting and Finance
	<b>An overview of Digital Literacy as a predictor variable for Financial Literacy Measurement</b> <i>Dayang Nur Arfina Binti Awg Sahari, Azilawati Banchit</i> Reference ID: 014	34	
	<b>Implementation of Distribution Supervision and Audit and Management of Covid-19 Vaccine Supply in Karanganyar District</b> <i>Oktavia Ayu Wening, Vidia Ayu Satyanov, Muhammad Syafiqurrahman, Renata Zoraifi</i> Reference ID: 040	35	
	<b>Evaluation of the Implementation of the We Proli Application in Review of LKPD In the Inspectorate of Karanganyar Regency</b> <i>Nurul Lujain, Vidia Ayu Satyanovi; Muhammad Syafiqurrahman; Renata Zoraifi</i> Reference ID: 041	36	
	<b>How Is the Impact of Regulations Regarding In-Kind Benefits and Enjoyment In Connection With Work After Law Number 7 of 2021? (A Case Study of ABC Company in Indonesia) Nature and Enjoyment, Income Tax</b> <i>Juliati, Devina Kusuma Putri, Nur Chayati, Sri Suranta</i> Reference ID: 047	37	
@ Bilik Mulu 7	<b>Determinant Environment Disclosures of Public Listed Firms in Malaysia</b> <i>Mohd Waliuddin Bin Mohd Razali, Samuel Tu Ching Lee, Sharifah Sabrina Syed Ali, Josephine Yau Tan Hwang</i> Reference ID: 001	38	Business and Management
	<b>Assessing the influence of hard and soft infrastructure on perceived destination competitiveness: Perspective from visitors in Sarawak</b> <i>Wei Chiang Chan, Wan Hashim Wan Ibrahim, May Chiun Lo, Abang Azlan Mohamad</i> Reference ID: 051	39	
	<b>Expatriates' Perceived Nonwork Constraints and Withdrawal Intention during the COVID-19 Pandemic: The Moderating Role of Resilience and Marital Status</b> <i>Chan Hak Liang, Toh Pei Sung, Michelle Ng Yen San, Dahlia Zawawi</i> Reference ID: 003	40	
	<b>Analysis of Training and Development of Luwes Gading Employees</b> <i>Alldila Oktaviyani, Agustin Amborowati</i> Reference ID: 042	41	
	<b>How was about local tax revenue from tourism sector during the COVID-19 pandemic? (Case Study of Wonosobo Regency in Indonesia)</b> <i>Juliati, Fajar Adi Pratama, Nur Chayati, Sri Suranta</i> Reference ID: 046	42	
	<b>A Study of Parental Support on Child Online Protection in Klang Valley</b> <i>Lim Ooi Wei, Wong Su Lee, Yap Chee Ean</i> Reference ID: 019	43	

Paper Title		Pg.	
@ Bilik Mulu 8	<b>Does Urbanization Affects Economic Growth? Panel Analysis on Selected ASEAN Countries</b> <i>Azrul Fazrin Mohd Asri, Mohd Khairul Hisyam Hassan</i> Reference ID: 033	44	Economics
	<b>The Behavior of Electricity Production and Electricity Consumption in Triggering Economic Growth in Malaysia: Are There Any Differences?</b> <i>Dzul Hadzwan Husaini, Hooi Hooi Lean, A.M. Dyg Affizzah, Mohammad Affendy Arip</i> Reference ID: 061	45	
	<b>Europe Union Ban on Palm Oil: The Trend of Palm Oil Competitiveness and The Co-Integration on The Soybean and Rapes</b> <i>Rossazana Ab-Rahim, Abdul Hayy Haziq Bin Mohamad, Nur Nazifah Binti Mohamad</i> Reference ID: 009	46	
	<b>Economic Impacts of the Quality of Labor Market on Value-added Agriculture and Economic Growth: Evidence from Malaysia</b> <i>Hii Neng Long, Evan Lau</i> Reference ID: 011	47	
	<b>Socioeconomic Insights of Sago Smallholders in Sarawak: An Assessment on Demographic Status</b> <i>Shamsul bin Arsad, Rosita binti Hamdan, Jerome Kueh Swee Hui, Nur Zaimah binti Ubaidillah, Josephine Yau Tan Hwang, Audrey Liwan, Mohammad Asraf bin Abdullah, and Rayenda Kreshna Brahmna</i> Reference ID: 035	48	

## Parallel Session 3

		Paper Title	Pg.	
@ Bilik Mulu 9		<b>Manager-Shareholders Conflicts in Malaysian Shariah Firms: An Agency theory perspective</b> <i>Dayang Ernie Nurfarah'ain Binti Awang Ahmad, Azilawati Banchit</i> Reference ID: 015	49	Business and Management
		<b>Sustainable HRM Practices with The Moderating Impact of Service Climate in Sustaining Employee Job Performance: A Study on 4- and 5- Stars Hotels in Sarawak</b> <i>Chin Ying Sin, Mohamad Abang Azlan, Lo May Chiun</i> Reference ID: 050	50	
		<b>Analysis Of the Effectiveness of Creating Long Term Loyalty Relationship Indihome PT Telkom Indonesia Regional IV (Witel Semarang)</b> <i>Firda Fauziah, Agustin Amborowati</i> Reference ID: 044	51	
		<b>Leveraging on the Role of Event Technology Adoptions towards MICE in Malaysia: A Concept Paper</b> <i>Marry Tracy Pawan, Juliana Langgat</i> Reference ID: 007	52	
		<b>Digital Marketing Analysis at PT Telkom Indonesia Regional IV Witel Magelang</b> <i>Prasti Budi Utami, Agustin Amborowati</i> Reference ID: 043	53	
@ Bilik Mulu 7		<b>Measuring The Influence of Interest on Digital Marketing Performance Among SMEs in Sarawak with Data Management Capabilities as the Mediator</b> <i>Rahmat Aidil Djubair, Winnie Wong Poh Ming</i> Reference ID: 030	54	
		<b>The Motivation of Education Bundling Package Strategy (Case Study in Stated-Owned Company)</b> <i>Efod Sabda Kusuma, Desy Mayasari</i> Reference ID: 048	55	
		<b>Customer Satisfaction and Impact of COVID-19 Pandemic Towards Customer Purchase Intention at Starbucks Malaysia</b> <i>Zetty Ain Kamaruzzaman, Ahmad Afif Ahmarofi, Sharifah Shuthairah Syed Abdullah, Tan Xue Jing, Fong Yunn Ee, Chen Min Si, Foo Shi Qi, Teoh Yoke Ru, Chia Ying Yi</i> Reference ID: 022	56	
		<b>A Review of Business Sustainability: Rising Air Ticket Prices in the Tourism Industry Following the Economic Recovery</b> <i>Rafles Ginting, Nur Fitriana Hamsyi, Wukuf Dilvan Rava</i> Reference ID: 028	57	
		<b>Mediating Effect of Tacit Knowledge Sharing among Nurses: Case of a Malaysian Teaching Hospital</b> <i>Nur Constance Wah, Dahlia Zawawi, Jalina Abdul Karim</i> Reference ID: 031	58	
		<b>Promoting Borneo Halal Hub through Inter-Regional Halal Supply Chain in BIMP-EAGA</b> <i>Zarina Zulkifli, Hayati Nufus, Abdul Rahim Anuar</i> Reference ID: 005	59	

Paper Title		Pg.
@ Bilik Mulu 8	<b>Asymmetric Stock Price Responses: Does Inflation or Interest Rate Matter?</b> <i>Peck-Ching Sia, Chin-Hong Pua, Choi-Meng Leong</i> <i>Reference ID: 029</i>	60
	<b>The Impacts of Total Population, Unemployment Rate and Urban Population Rate towards the Total Municipal Waste Disposal in the Three Scandinavian Countries: A Panel Data Analysis</b> <i>Adrienne Favianne Alex, Mohd Khairul Hisyam Hassan</i> <i>Reference ID: 032</i>	61
	<b>A Bibliometric Analysis of Tourism Sustainable Competitiveness Research</b> <i>Ann-Ni Soh, Chin-Hong Pua, Mohammad Affendy Arip</i> <i>Reference ID: 036</i>	62
	<b>Digital Connectivity Bridging Digital ASEAN</b> <i>Chong Mei Teing, Pua Chin Hong, Shazali Abu Mansor, Teh Chee Siong</i> <i>Reference ID: 037</i>	63
	<b>A Conceptual Paper on The Link Between Homeownership, Subjective Well-being, and Wealth Concepts</b> <i>Mulyadi, Nur Zaimah Ubaidillah</i> <i>Reference ID: 002</i>	64
	<b>Food Security: Threats and Challenges of Sustainable Paddy Production in Sarawak</b> <i>Rosita Hamdan, Sharon Hou Wan, Audrey Liwan, Freddy Yeo Kuok San &amp; Nur Zaimah Ubaidillah</i> <i>Reference ID: 069</i>	65

Economics

## Parallel Session 4

		Paper Title	Pg.	
@ Bilik Mulu 9		<b>The Effect of Debt Financing on Firm Performance of Public Listed Construction Firms in Malaysia</b> <i>Sheldon Lee Sze Cheng, Nurul Syuhada Zaidi</i> Reference ID: 058	66	Accounting and Finance
		<b>The Nexus between Stakeholder Pressure and Green Innovation Practices</b> <i>Sharifah Sabrina Syed Ali, Mohd Rizal Yaakop, Nur Zaimah Ubaidillah, Salawati Sahari, Mohd Waliuddin Mohd Razali</i> Reference ID: 067	67	
		<b>Analysis Of the Effectiveness of Non-Tax State Revenue (PNBP) Administration at The State Property and Auction Service Office (KPKNL) Of Surakarta for the 2018-2020 Period</b> <i>Kania Amastika Damayanti, Andi Asrihapsari, Sri Hantoro, Labbaika Dwi Ayu, Rahmawati</i> Reference ID: 062	68	
		<b>SMEs' Flight to Digital and Green Economy: Evidence from Indonesia</b> <i>Ayya Agmulia Asmarani Islam, Irwan Trinugroho, Suryanto</i> Reference ID: 055	69	
		<b>The Moderating Role of "Live Modeling Financial Experience" to Improve the Financial Capability of MSMES In Indonesia</b> <i>Girang Permata Gusti, Wendy</i> Reference ID: 017	70	
@ Bilik Mulu 7		<b>Public Perception and Practices of Solid Waste Management in Kuching, Sarawak</b> <i>Jessica Ranjieng Wit, Audrey Liwan, Riccardo Corrado</i> Reference ID: 039	71	Economics
		<b>Public Perception Towards Hydrogen Energy Acceptance in Sarawak</b> <i>Olivia Trianna Nathan, Nur Zaimah Ubaidillah</i> Reference ID:063	72	
		<b>Wellbeing Through Humanism: Devising an Alternative Barometer of Urban Social Progress in Malaysia</b> <i>Shirly Wong Siew Ling, Juliana Qarishma Binti Jublee, Evan Lau, Tan Suk Chinn, Mandy Ang Jing Ying</i> Reference ID: 064	73	
		<b>The Pandemic Paradox: Unfolding the Impact Of COVID-19 Twin Crises on Domestic Violence in Malaysia</b> <i>Shirly Wong Siew Ling, Chew Keng Sheng, Cheah Joe Seng, Siew Ke Lin</i> Reference ID: 065	74	
		<b>The Determinant of Sarawak Black Pepper Price</b> <i>Farhana binti Ismail, Alvin Wong, Nur Zaimah Ubaidillah</i> Reference ID: 057	75	



Paper Title		Pg.	
@ Bilik Mulu 8	<b>Decomposition of Labor Productivity Growth of Asean9 Moderating by Economic Performance</b> <i>Jee Kouk Hiong, Rossazana Binti Ab Rahim</i> Reference ID: 010	76	Economics
	<b>Fiscal Multiplier in Malaysia: An Empirical Assessment and Policy Implication</b> <i>Evan Lau, Maryam Azman, Fahrulradzi Bukhari and Helmi Ramlee</i> Reference ID: 027	77	
	<b>Impacts of Digital Financial Inclusion on Urban-rural Income Disparity: A Comparative Study of the Eastern and Western Economic Regions in China</b> <i>Liu Jing, Puah Chin Hong, Mohammad Affendy Arip, Jong Meng Chang</i> Reference ID: 052	78	
	<b>Revisiting The Oil-Growth Nexus: Evidence from Selected Oil Importing and Oil Exporting Countries</b> <i>Shirly Wong Siew Ling, Kho-Kian CHIN</i> Reference ID: 059	79	
	<b>On the Synchronization of Fiscal Policy in Selected ASEAN Countries: New Evidence from Asymmetric Modelling</b> <i>Shirly Siew-Ling Wong, Hock-Hua Chan, Shirly Siew-Ling Wong, Yew-Kang Liew</i> Reference ID: 060	80	

# **Does Urbanization Affects Economic Growth? Panel Analysis on Selected ASEAN Countries**

Azrul Fazrin Mohd Asri  
Mohd Khairul Hisyam Hassan  
*Faculty of Economics and Business, Universiti Malaysia Sarawak*  
hmkhisyam@unimas.my

## **ABSTRACT**

This research study is conducted to examine the relationship between economic development, population, carbon dioxide (CO<sub>2</sub>) emission, energy consumption and foreign direct investment during the process of urbanization in selected countries namely Brunei Darussalam, Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam. The annual dataset is taken from 2010 to 2017 in World Bank and CEIC. Software Eviews 10 is used for panel data analysis and tests used are Descriptive analysis, Pooled Ordinary Least Square (POLS) Method, Correlation Test, Random Effect Model, Fixed Effect Model, Breusch-Pagan LM test, Hausman Test, Panel Unit Root Test, Panel Cointegration Test and Panel Granger Causality Test. Results shows that all variable data is valid as the mean for each variable was below the range of minimum and maximum values reflect that there is no possible outlier. In addition, majority of the variables are in 1st order and found to be cointegrated, indicating the existence of a long-term equilibrium relationship between carbon dioxide emissions, FDI, population and energy consumption in terms of GDP. In the short term, there are three uni-directional Granger causality that run from GDP, energy consumption and foreign investment to population, while ECT shows that population and energy use exist in the long run. Policies such as decentralization, business and industry. and human resources need to be implemented by policy makers in selected ASEAN countries to ensure economic growth without affecting the environment during the process of urbanization.

Keywords: GDP, Population, Carbon Dioxide (CO<sub>2</sub>) Emission, Energy Consumption, FDI, Selected ASEAN Countries