

International Conference on Economics, Business, Social, and Humanities

CERTIFICATE OF PARTICIPATION

Rahmah Hastuti, M.Psi, Psikolog

FOR THE CONTRIBUTION AS

PRESENTER

Paper Title:

A PRELIMINARY STUDY ON THE DEVELOPMENT OF SMARTPHONE USAGE BEHAVIOR SCALE
FOR YOUNG ADULTS

KUN SHAN UNIVERSITY, 14 APRIL 2025



KUN SHAN UNIVERSITY

Professor Dr. Lee, Tien-Shang
The President of Kun Shan University



UNIVERSITAS TARUMANAGARA
REKTOR

Prof. Dr. Amad Sudiro, S.H., M.H., M.Kn., M.M.
Rector of Universitas Tarumanagara



LETTER OF ACCEPTANCE

Jakarta, March 24, 2025
Number: 082-ICEBSH/UNTAR/III/2025

Attention to : Jivita Hita Salim, Rahmah Hastuti
The Author(s) of Paper ID: 082-ICE

A PRELIMINARY STUDY ON THE DEVELOPMENT OF SMARTPHONE USAGE BEHAVIOR SCALE FOR YOUNG ADULTS

We are pleased to inform you that your submission is **Accepted** for presentation in **International Conference on Economics, Business, Social, and Humanities (ICEBSH) 2025** will be held hybrid mode on April 14-15, 2025. This Paper will be published on the **Atlantis Proceedings**.

Please revised your manuscript accordingly to the review result and new template. Please also take note that maximum point for Turnitin test is 20%. You need to send us your revised manuscript in Microsoft Office Document file format (docm) to the ICEBSH 2025 committee (icebsh@untar.ac.id) by 30th March 2025 to avoid unnecessary delay. It will be appreciated if you put your Reference Number and your name as your file name in full paper format: Paper ID_Name (e.g. 001-ICEBSH_Budi).

Please complete your registration and we encourage participants could fill out the confirmation form earlier. We urgently need your prompt attention. You are eligible to complete the registration before submitting the revision. Registration form can be accessed at <https://bit.ly/ICASTE-ICEBSH-REGISTRATIONFORM-2025>.

Thank you very much for your attention.

The ICEBSH 2025 Chairperson

ICEBSH

Didi Widya Utama, ST., MT., Ph.D.



UNTAR
Universitas Tarumanagara



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University & Colleges™



ICEBSH
2025

PROGRAM BOOK

International Conference on Economics,
Business, Social, and Humanities

April 14 - 15, 2025
TAINAN, TAIWAN



Untar Jakarta



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WELCOMING MESSAGE

FROM THE CHAIRPERSON OF ICEBSH 2025

Good morning, ladies and gentlemen.

On behalf of the organizing committee, it is my great pleasure to welcome you all to ICEBSH 2025 (International Conference on Economics, Business, Social, and Humanities), hosted at Kun Shan University, Taiwan.

This year, Universitas Tarumanagara (UNTAR), in collaboration with our co-hosts Kun Shan University and INTI International University, is proud to organize these conferences, bringing together scholars, researchers, and professionals from diverse disciplines under a shared mission. With the theme "Accelerating Global Sustainable Development Through Higher Education," these conferences serve as a vital platform for discussing innovations, exchanging ideas, and fostering collaborations that contribute to sustainable global progress.

We extend our deepest gratitude to Prof. Dr. Ariawan Gunadi, S.H., M.H., Chairman of Tarumanagara Foundation, for his unwavering support; Prof. Dr. Tien-Shang Lee, President of Kun Shan University, for graciously hosting us at this esteemed institution; and Prof. Dr. Amad Sudiro, S.H., M.H., M.Kn., M.M., Rector of Universitas Tarumanagara, for his leadership in making this event a reality. Additionally, we appreciate Assoc. Prof. Dr. Hetty Karunia Tunjungsari, S.E., M.Si., Head of Research & Community Service Institute, for her dedication to advancing academic research and facilitating this conference.

We are privileged to have distinguished keynote speakers who will share their insights and expertise:

Prof. Dr. Ariawan Gunadi, S.H., M.H. - Chairman of Tarumanagara Foundation
Assoc. Prof. Chang-Lin Chuang, Ph.D. - Kun Shan University, Taiwan
Assoc. Prof. Dr. Chan Choon Kit - INTI International University, Malaysia

This year, we are proud to have received a total of 42 papers for ICASTE 2025 and 114 papers for ICEBSH 2025, demonstrating the enthusiasm and commitment of our participants in advancing knowledge and research across multiple fields.

We sincerely appreciate the contributions of all authors, presenters, and attendees from Indonesia, Malaysia, Taiwan, and beyond. Your participation enriches these conferences and strengthens our collective efforts to drive impactful research and global sustainable development.



We hope these conferences will provide valuable discussions, meaningful collaborations, and inspiring experiences. Wishing you all a productive and enjoyable conference.

Thank you.

Didi Widya Utama, S.T., M.T., Ph.D.

Chairperson of ICEBSH 2025

FOREWORDS

FROM THE RECTOR OF UNIVERSITAS TARUMANAGARA

Ladies and gentlemen, esteemed colleagues, honoured partners, speakers, presenters, and all participants,

It is both a privilege and a pleasure to be here with all of you today at this esteemed international conference held at Kun Shan University (KSU) in the vibrant city of Tainan, Taiwan.

I would like to extend my heartfelt gratitude to our hosts especially for Professor Dr. Lee, Tien-Shang, The President of KSU for their warm welcome. I would also like to express my deepest thanks and appreciation to INTI International University, Malaysia, for their cooperation and collaboration as the co-host of this seminar.

This event brings together to dedicate our focus to one of the most pressing challenges of our time: "sustainable development." The theme of this conferences, "Accelerating Global Sustainable Development Through Higher Education," resonates deeply with the core mission of our institutions: to educate, innovate, and inspire future generations to create a more equitable and sustainable world.

As we embark on this crucial dialogue, let us reflect on the transformative power of higher education. Universities have long been catalysts for change, shaping minds and equipping students with the knowledge and tools to address complex global issues. In these times of unprecedented environmental, economic, and social challenges, our role has become even more critical.

Sustainable development is not just a goal; it is a commitment to ensure that our economic and social growth occurs within the ecological limits of our planet. Achieving this requires a concerted effort across disciplines—collaborating not only within our institutions but also with governments, industries, and communities. By integrating sustainability into our curriculum, research, and community engagement program, higher education can lead the way in cultivating innovative solutions and fostering a culture of responsibility and resilience.

Over the next few days, I invite each of you to engage actively in our discussions. Together, we will have the opportunity to share successful strategies, explore partnerships, and generate new ideas that can propel our efforts forward. Let us leverage our collective expertise and experience to accelerate the progress toward a sustainable future.

In closing, I am excited about the insights that will emerge from our conversations here at KSU. Let us embrace this opportunity to collaborate, inspire, and ignite the passion for sustainable development within our academic institutions and beyond.

Thank you, and I am looking forward to the engaging exchanges we will share.

Prof. Dr. Amad Sudiro, S.H., M.H., M.Kn., M.M.
Rector of Universitas Tarumanagara

FOREWORDS

FROM THE PRESIDENT OF KUN SHAN UNIVERSITY

Dear distinguished guests,

It is my great pleasure to welcome you to the 2025 International Conference on Economics, Business, Social, and Humanities (ICEBSH) and the International Conference on Applied Science, Technology, and Engineering (ICASTE), jointly organized by Universitas Tarumanagara from Indonesia, Kun Shan University from Taiwan, and INTI International University from Malaysia.

This year's theme, "Accelerating Global Sustainable Development Through Higher Education," highlights the critical role of higher education institutions in shaping a more sustainable and interconnected world. As drivers of innovation, universities are uniquely positioned to address the pressing global challenges outlined in the Sustainable Development Goals (SDGs) through research and technology.

By bringing together ICEBSH and ICASTE, this event serves as a dynamic platform for interdisciplinary collaboration, allowing experts from diverse fields—ranging from economics and business to science and engineering—to exchange ideas and explore innovative solutions for a better future. The diversity of our participants and speakers brings a wealth of perspectives, which we believe will offer profound insights into the transformative potential of collaboration in research and technological advancement.

I would like to extend my sincere appreciation to the Universitas Tarumanagara Foundation Chairman, Prof. Dr. Ariawan Gunadi, S.H., M.H., and Rector, Prof. Dr. Amad Sudiro, S.H., M.H., M.Kn., M.M., for hosting this event and for their invaluable support in fostering collaboration between Kun Shan University and various Indonesian universities. I would also like to express my gratitude to INTI International University for co-hosting this conference and for their commitment to academic excellence and international cooperation.

Looking ahead, Kun Shan University remains committed to strengthening partnerships with academic institutions through a wide range of initiatives, including academic visits, joint lecturing programs, collaborative research, academic resource sharing, elite student exchanges, and more.

I would also like to thank all of our distinguished speakers for their valuable contributions and express my deep appreciation to the organizing committee for their dedication and tireless efforts in making this conference a success.

Let us move forward together in the spirit of collaboration, innovation, and global impact, and I wish you all a productive and inspiring conference.

Prof. Dr. Tien-Shang Lee D.B.A.

President of The University
Kun Shan University

TIME AND VENUE

The International Conference on Economics, Business, Social and Humanities will be held in hybrid (offline and online) with the following details:

Venue: Kun Shan University

No. 195 號, Kunda Rd, Yongkang District, Tainan City, Taiwan 710

Plenary Session : College of Creative Media C Building 2nd floor

Parallel Session : International Conference Hall, L Building 10th Floor

Date : 14-15th April 2025

Time : 08.30 - 17.45 CST (GMT+8)

Join Zoom : <http://untar.ac.id/zoom/CASTEICEBSH2025>

Meeting ID : 822 1802 8078

Passcode : Untar65

SPEAKERS

Prof.Dr. Ariawan Gunadi, S.H., M.H.

(Universitas Tarumanagara, Indonesia)

Assoc. Prof. Chang-Lin Chuang, Ph.D.

(Kun Shan University, Taiwan)

Assoc. Prof. Dr. Chan Choon Kit

(INTI International University, Malaysia)

Kun Shan University

MAP

ICASTE & ICEBSH Conference 2025
 14 - 15 April 2025

PLENARY SESSION

College of Creative Media
 2nd floor - C building

PARALLEL SESSION

International Conference Hall
 10th floor - L building



EVENT SCHEDULE

CONFERENCE PROGRAM

International Conference on Economics, Business, Social and Humanities (ICEBSH) 2025

"Accelerating Global Sustainable Development through Higher Education"

Monday & Tuesday, 14th & 15th April 2025

Location : Kun Shan University, Tainan, Taiwan (Hybrid)

Time Zone : GMT +8 (CST/Taiwan Time)

Time	Program	Venue
Monday, 14th April 2025		
08.30 - 09.00	ICASTE ICEBSH 2025 Registration & Coffee Morning <i>Accelerating Global Sustainable Development through Higher Education</i>	College of Creative Media 2 nd Floor, C Building
09.00 - 09.15	Opening Ceremony: <ul style="list-style-type: none"> Taiwan Culture Dance Greetings by MC 	
09.15 - 09.30	Opening Speech: <ul style="list-style-type: none"> Professor Shuhn-Shyurng Hou, Ph.D. <i>Vice President for Academic Affairs Kun Shan University</i> Prof. Dr. Amad Sudiro, S.H., M.H., M.Kn., M.M. <i>Rector of Universitas Tarumanagara</i> 	
09.30 - 09.35	Certificate Presentation for Co-Host	
09.35 - 09:40	Moderator Introduction Oscar Li, Ph.D. <i>Kun Shan University, Tainan - Taiwan</i>	
09:40 - 10:20	Keynote Session 1 Assoc. Prof. Chang-Lin Chuang, Ph.D <i>Kun Shan University, Tainan - Taiwan</i> (Presentation 30" + QnA 10")	
10:20 - 11:00	Keynote Session 2 Assoc. Prof. Dr. Chan Choon Kit <i>INTI International University, Malaysia</i> (Presentation 30" + QnA 10")	

Time	Program	Venue
11:00 - 11:40	Keynote Session 3 Prof. Dr. Ariawan Gunadi, S.H., M.H. <i>Universitas Tarumanagara, Jakarta - Indonesia</i> (Presentation 30" + QnA 10")	
11:40 - 11:50	Certificate Presentation for Keynote Speakers and Photo-Taking Session	
11:50 - 12:00	Plenary Session Closing and Briefing for Parallel Session	
12:00 - 13:30	Lunch Break	
13:30 - 15:00	Parallel Session I <i>Schedule refer to Program Book</i>	International Conference Hall, 10 th Floor, L Building
15:00 - 15:15	Coffee Break	
15:15 - 17:00	Parallel Session II <i>Schedule refer to Program Book</i>	
Tuesday, 15th April 2025		
08:30 - 09:00	Day 2 Registration & Coffee Morning	International Conference Hall, 10 th Floor, L Building
09:00 - 12:00	Parallel Session III <i>Schedule refer to Program Book</i>	
12:00 - 13:00	Lunch Break	

CONFERENCE TOPIC

This year, the committee organized an international conference in the field of Economics, Business, Social and Humanities with the theme: **Accelerating Global Sustainable Development Through Higher Education**. This conference aims to collect a variety of positive thoughts about Economics, Business, Social and Humanities related topics. Hopefully it will be a forum for practitioners, government, academicians and experts to share and exchange their ideas, thoughts and experiences related to the topics. Thus it is expected to contribute more comprehensive and applicable problem-solving framework.

TOPIC AREA

The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. Topic area for submission includes, but are not limited to:

TOPIC	SUB TOPIC
Psychology and Education	<ul style="list-style-type: none"> • Psychology • Behavioral and Psychological Sciences • Cognitive, Psychological and Behavioral Sciences • Social-Psychological, Social, Organizational, and Technological Systems • Education, Education Science and Technology • Linguistics and Language
Communication Studies	<ul style="list-style-type: none"> • Communication and Information Technologies in Social Sciences • Computational Methods in Social Science • Media, and Communications Technology • Data mining in Social Science • Mathematical Modeling in Social Science • Library and Information Sciences • Political Science • Economics and Business

TOPIC	SUB TOPIC
Economics and Business	<ul style="list-style-type: none"> • Finance Economics, Financial and Industrial Systems • Economics, Markets and Systems • Business Information Management • Business Information Systems • Business, Economics, Management and Marketing • Business, Finance and Tourism Management • Sustainable Development • Sustainable Economic Development
Law	<ul style="list-style-type: none"> • Law and law enforcement • Constitutional Law • Criminal Law • Air and Space Law • Arbitration and Alternative Dispute Resolution • Environmental Law • Intellectual Property Rights • International Law • Real Estate Law • Business Law • Transportation Law • Law and Justice
Humanities, Art and Culture	<ul style="list-style-type: none"> • Humanities • Inter-cultural studies • History • Globalization • Art & Design • Human Factors and Ergonomics • Sociology • E-Society and Online Communities • Social Network Analysis • Anthropology • Sustainable Human and Social Development • Tradition, Culture, and Heritage • Culture and Tourism • Geography • Development • Urban Studies, Urban Art & Design • Urban and Regional Planning • Transportation • Health Issues and Services

CONFERENCE COMMITTEE

HONORARY CHAIR

Prof. Dr. Amad Sudiro, S.H., M.H., M.Kn., M.M.

Assoc. Prof. Sri Tiatri, M.Si., Ph.D. Psi.

STEERING COMMITTEE

Assoc. Prof. Hetty Karunia Tunjungsari, S.E., M.Si.

Prof. Dr. Ir. Agustinus Purna Irawan, I.P.U., Asean Eng.

Dr. Ir. Steven Darmawan, S.T., M.T.

CO-HOST COMMITTEE

Assoc. Prof. Lu, Te-Tsai, Ph.D.

Assoc. Prof. Dr. Linda LinChin Lin

ORGANIZING COMMITTEE

Chair : Didi Widya Utama, S.T., M.T., Ph.D.

Co-Chair : Assoc. Prof. Dr. Fransisca Iriani R.Dewi, M.Si.

Secretary : Dr. Wulan Purnama Sari, S.IKom, M.Si.

Nafiah Solikhah, S.T., M.T.

Treasurer : Dr. Mei Ie. S.E., M.M.

International Relation:

Assoc. Prof. Dr. Hugeng, S.T., M.T.

Journal Publication:

Mohammad Agung Saryatmo, S.T., M.M., Ph.D.

Paper Management:

Dr. Keni, S.E., M.M.

Desi Arisandi S.Kom., M.T.I.

Program : Rorlen, S.E., M.M.

Nadia Ayu Rahma Lestari, S.T., M.Sc.

Patrick Kosmayadi, S.Ds.

Design and Website:

Jessica Ho

Joselin Sandra W

Shareen Stephanie

Victoria Valentina

SCIENTIFIC COMMITTEE

Prof. Anis H. Bajrektarevic	United Nations Geneva, Switzerland
Prof. Dr. phil. Bernard A.J. Jap, M.A., M.Sc., Ph.D.	Hong Kong Metropolitan University
Dr. Channing Chuang	Kun Shan University, Taiwan
Assoc. Prof. Dr. Wong Chee Hoo	INTI International University, Malaysia
Dr. Chong Wei Ying	Tunku Abdul Rahman University College, Malaysia
Franklin Hutabarat, M.Div., M.Th., Ph.D.	Asia-Pacific International University, Thailand
Dr. Joaquin Aldas Manzano	Universidad de Valencia Spain, Spain
Prof. Dr. Jolly Sabino Balila	Adventist University of the Philippines
Dr. Lai Chooi Seong	Tunku Abdul Rahman University College, Malaysia
Lin Tian, Ph.D.	Shanghai University, China
Prof. Mohd Zulkifli Abdullah	Universiti Sains Malaysia, Malaysia
Assoc. Prof. Norbani Binti Mohamed Nazeri	University of Malaya, Malaysia
Assoc. Prof. Dr. Rajendran Muthuveloo	Universiti Sains Malaysia, Malaysia
Dr. Sitti Maesuri Pattahuddin	University of Canberra, Australia
Assoc. Prof. Dr. Teoh Ai Ping	Universiti Sains Malaysia, Malaysia
Tran Toan Thang, Ph.D.	Central Institute for Economic Management Hanoi, Vietnam
Prof. Mohamad Amin	Universitas Negeri Malang, Indonesia
Prof. Eko Sedyono	Universitas Kristen Satya Wacana, Indonesia
Prof. Manneke Budiman	Universitas Indonesia
Dr. Rizal Edy Halim	Universitas Indonesia
Dr. Souvia Rahimah	Universitas Padjajaran, Indonesia
Assoc. Prof. Zahrotur Rusyda Hinduan, MOP, Ph.D.	Universitas Padjajaran, Indonesia

Prof. Mella Ismelina	Universitas Tarumanagara, Indonesia
Prof. Amad Sudiro	Universitas Tarumanagara, Indonesia
Prof. Dr. Ariawan Gunadi, M.H.	Universitas Tarumanagara, Indonesia
Assoc. Prof. Sri Tiatri, M.Si., Ph.D.	Universitas Tarumanagara, Indonesia
Dr. Keni, M.M.	Universitas Tarumanagara, Indonesia
Dr. Riris Louisa, M.Si.	Universitas Tarumanagara, Indonesia
Dr. Miharni Tjokrosaputro, M.M.	Universitas Tarumanagara, Indonesia

PARALLEL SESSION

Session 1 : Monday, 14th April 2025
 13.30 - 15.00 CST (GMT +8)

Session 2 : Monday, 14th April 2025
 15.15 - 17.00 CST (GMT +8)

Session 3 : Tuesday, 15th April 2025
 09.00 - 12.00 CST (GMT +8)

Onsite Room Details

Room	Topic(s)		
	Session 1	Session 2	Session 3
ICEBSH 1	Art & Design	---	Architecture
ICEBSH 2	Art & Design	---	Architecture
ICEBSH 3	Communication, Economy & Business	---	---

Online Room Details

Room	Topic(s)		
	Session 1	Session 2	Session 3
ICE-On-1	Economy & Business	Economy & Business	Economy & Business
ICE-On-2	Economy & Business	Economy & Business	Psychology, Art & Design
ICE-On-3	Economy & Business	Art & Design	Law, Communication
ICE-On-4	Art & Design	Art & Design	Psychology

ONSITE PARALLEL SESSION

ROOM ICEBSH 1

International Conference Hall, 10th Floor, L Building

Monday, 14th April 2025 (GMT +8)

Session 1 : Art & Design

Moderator : Dr. Lin, Linda

Time	Paper ID	Paper Title	Author(s)	Institution
14.00 - 14.15	050	Interior Design of the National Library of Indonesia in Central Jakarta	Sarah Samantha Wijaya, Hartini Laswandi, Nikki Indah Andraini	Universitas Tarumanagara
14.15 - 14.30	015	Local Wisdom in Luxury within the Interior Design of Akmani Boutique Hotel, Central Jakarta	Kezia Stefania, Augustina Ika Widyani, Muhammad Taufiq	Universitas Tarumanagara
14.30 - 14.45	038	Interior of Youth Discipleship Room at Abbalove Industry Church, Central Jakarta	Theresa, Augustina Ika Widyani, M Taufiq	Universitas Tarumanagara
14.45 - 15.00		Panel Discussion		

Tuesday, 15th April 2025 (GMT +8)

Session 3 : Architecture

Moderator : Dr. Lin, Linda

Time	Paper ID	Paper Title	Author(s)	Institution
09.30 - 09.45	090	Urban Vernacular Resilience in the Urban Kampung of Tanjung Duren Selatan, West Jakarta	Chrysels, Jesica Riana Susanto Basuki, Trisha Kaylie Tjung, Titin Fatimah, Nafiah Solikhah	Universitas Tarumanagara
09.45 - 10.00	091	Exploration of the Characteristics of Social Areas in Pekojan, West Jakarta	Darren Hadi Sandjaja, Maxwell Liwongan, Otniel Mario, Titin Fatimah, Nafiah Solikhah	Universitas Tarumanagara

Time	Paper ID	Paper Title	Author(s)	Institution
10.00 - 10.15	092	Informal Settlement Network in Kampung Kwitang, Central Jakarta	Mega Wandik, Kenedy, Kent Niels Wilfred Wu, Titin Fatimah, Nafiah Solikhah	Universitas Tarumanagara
10.15 - 10.30		Panel Discussion		

ONSITE PARALLEL SESSION

ROOM ICEBSH 2

International Conference Hall, 10th Floor, L Building

Monday, 14th April 2025 (GMT +8)

Session 1 : Art & Design

Moderator : 侯重光

Dr. Hou, Chung-Kuang

Time	Paper ID	Paper Title	Author(s)	Institution
14.00 - 14.15	030	Implementation of User-Centered Design in Developing a Religious Education Website for Children	Anny Valentina, Ruby Chrissandy, Gracella Nathania, Ruth Cecilia, David Amadeus, Kevin Matthew Ivanson	Universitas Tarumanagara
14.15 - 14.30	046	Bridging Sacred Texts and Digital Creativity: Exploring Augmented Imagination in Visualizing the Book of Ezekiel	Anny Valentina, Ruby Chrissandy, Yosadara Paramita, Ruth Cecilia, David Amadeus, Steve George Setiawan	Universitas Tarumanagara
14.30 - 14.45	048	Implementation of Digital Technology to Enhance Interaction Experience of Gen Z in Indonesian Hakka Museum	Lindsay Damaris Gracia, Noeratri Andanwert, Nikki Indah Andraini	Universitas Tarumanagara
14.45 - 15.00		Panel Discussion		

Tuesday, 15th April 2025 (GMT +8)

Session 3 : Architecture

Moderator : Nafiah Solikhah, S.T., M.T.

Time	Paper ID	Paper Title	Author(s)	Institution
09.30 - 09.45	093	Analysis of the Features of Social Spaces in Kampung Condet, East Jakarta	Latisha Rachmania Amina, Fernanda Rajendra Putra Kristiharto, Syah Rizal Affandi, Titin Fatimah, Nafiah Solikhah	Universitas Tarumanagara

Time	Paper ID	Paper Title	Author(s)	Institution
09.45 - 10.00	094	The Development of Cultural Spaces as a Manifestation of Urban Vernacular in Petak Sembilan Urban Kampung	Yohanna Maria Siregar, Angellica Ekklesia Lantemona, Titin Fatimah, Nafiah Solikhah	Universitas Tarumanagara
10.00 - 10.15	096	From Streets to Screens: How Digitalization is Reshaping Indonesia's Informal Economy	Nadia Ayu Rahma Lestari, Regina Suryadjaja, Suryono Herlambang	Universitas Tarumanagara
10.15 - 10.30		Panel Discussion		

ONSITE PARALLEL SESSION

ROOM ICEBSH 3

International Conference Hall, 10th Floor, L Building

Monday, 14th April 2025 (GMT +8)

Session 1 : Communication, Economy and Business

Moderator : 李政隆

Li, Oscar

Time	Paper ID	Paper Title	Author(s)	Institution
14.00 - 14.15	105	To Explore the Relationship Between Organizational Citizenship Behavior and Job Performance, with Job Satisfaction as the Mediating Variable	Dr. Linda Lin-Chin Lin, Ping-Kuei Tsao	Kun Shan University
14.15 - 14.30	039	Social Media Sentiment on the Female Ruler Polemic in Yogyakarta	Wulan Purnama Sari, Sinta Paramita, Roswita Oktavianti, Claribel Halim	Universitas Tarumanagara
14.30 - 14.45	083	Cultural Identity, Education, and Communication for Sustainable Development in Indonesia	Diah Ayu Candraningrum, Riris Loisa, Farid Rusdi	Universitas Tarumanagara
14.45 - 15.00	065	Acceptance of Mobile Banking Apps. Using the Unified Theory of Acceptance and Use of Technology Approach	Hendro Lukman, Elsa Imelda, Vannessa Maria Vianney, Andrea Stephanie Darwis, Go Cecilia Claudia Pratama	Universitas Tarumanagara
15.00 - 15.15	113	Texploring The Impact Of Leadership Styles On Employee Job Performance - A Case Study Of Employees In Vietnamese Enterprises	Linda Lin-Chin Lin, Nguyen-Van Viet	Kun Shan University, Taiwan
15.00 - 15.15		Panel Discussion		

ONLINE PARALLEL SESSION

ROOM ICEBSH-ON-1

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 1 : Economy and Business

Moderator : Yanti, S.E., Ak., M.Si, CA.

Time	Paper ID	Paper Title	Author(s)	Institution
13.30 - 13.45	001	The Effect of Board of Directors' Compensation, Board of Directors' Education, and Board of Directors' Experience on the Financial Performance of Indonesian Banking	Sriwati, Verawati, Herni Kurniawati	Universitas Tarumanagara
13.45 - 14.00	004	The Effect of Female Directors, Duality of Directors, and Financial Performance on the Compensation of Indonesian Banking Board of Directors	Herni Kurniawati, Yustina Peniyanti Jap	Universitas Tarumanagara
14.00 - 14.15	017	The Effect of Tax Avoidance, Profitability, Leverage, and Company Size on Earnings Management	Caroline Maretha Halim, Linda Santioso	Universitas Tarumanagara
14.15 - 14.30	018	Internal and External Factors Affecting Auditor's Ability in Detecting Fraudulance from the Accounting Student's Perspective	Jhun Liong, Linda Santioso	Universitas Tarumanagara
14.30 - 14.45	019	Corporate Governance Attributes and Earnings Quality: Empirical Study of Indonesian Banks (2019-2023)	Jhun Liong, Tiffany Yessica, Linda Santioso	Universitas Tarumanagara
14.45 - 15.00	074	The Effect of Institutional Ownership, Board of Commisioners on Corporate Risk Disclosure	Flavia Emmeline, Linda Santioso	Universitas Tarumanagara

ROOM ICEBSH-ON-1

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 2 : Economy and Business

Moderator : Yanti, S.E., Ak., M.Si, CA.

Time	Paper ID	Paper Title	Author(s)	Institution
15.15 - 15.30	011	Synchronizing the Digital Economy and the Green Economy Towards Sustainable Development in Vietnam	Quyen Minh Hoang	Foreign Trade University
15.30 - 15.45	033	Unveiling the Role in Shaping Sustainability Reporting in the Mining Sector	Chrystabelle Audrey Ardhani, Yanti Yanti	Universitas Tarumanagara
15.45 - 16.00	034	Financial Distress and Sustainability Report: Perspective from Food and Beverage Industry	Aurellia Aretha Agustine Widjaja, Yanti Yanti	Universitas Tarumanagara
16.00 - 16.15	012	Optimizing Vietnam's Logistics Industry: Leveraging Blockchain Technology for Supply Chain Management	Quyen Minh Hoang	Foreign Trade University
16.15 - 16.30	035	Key Drivers of Firm Value in Indonesia's Property and Real Estate Sector	Gabriella Charissa Hartono, Yanti Yanti	Universitas Tarumanagara
16.30 - 16.45	044	The Factors Effecting Firm Performance Evidence from Indonesia	Audi Mishael, Henryanto Wijaya	Universitas Tarumanagara
16.45 - 17.00	043	The Factors Effecting Firm Value Evidence from Indonesia	Ni Gusti Ayu Komang Tri Supriliانا, Henryanto Wijaya	Universitas Tarumanagara

ROOM ICEBSH-ON-1

via Zoom Meeting

Tuesday, 15th April 2025 (GMT +8)

Session 3 : Economy & Business

Moderator : Dr. Herlin Tundjung Setijaningsih, S.E., Ak., M.Si, CA.

Time	Paper ID	Paper Title	Author(s)	Institution
09.00 - 09.15	008	Factors Influencing Job Satisfaction with Organizational Commitment as a Mediation Variable	Ferry Irawan, Mohammad Agung Saryatmo, Ronald Sukwadi	Universitas Tarumanagara
09.15 - 09.30	016	The Effect of Earnings Management and Leverage Moderated by Political Connection on Tax Avoidance	Jessenia Lorreta Hariyanto, Linda Santioso	Universitas Tarumanagara
09.30 - 09.45	045	The Influence of Motivation, Family Environment, and Entrepreneurial Knowledge on Gen-Z Entrepreneurial Interest	Jonathan Chris, Oey Hannes Widjaja	Universitas Tarumanagara
09.45 - 10.00	070	Impact of Organizational Learning on Job Satisfaction, Commitment, and Performance of Private Bank Employees	Joyce A. Turangan, Herman Ruslim	Universitas Tarumanagara
10.00 - 10.15	071	The Influence of Innovation, Motivation, and Business Environment on Micro Enterprise Performance	Angeline Stephani, Sarwo Edy Handoyo	Universitas Tarumanagara
10.15 - 10.30	075	Circular Economy Disclosure and Sustainability Performance: The Role of CSR Committee in ASEAN	Tabah Rizki, Herlin Tundjung Setijaningsih	Universitas Tarumanagara
10.30 - 10.45	BREAK			
10.45 - 11.00	072	Corporate Governance Role in Moderating Earnings Management on Company Value in Indonesia's Infrastructure Sector	Nurainun Bangun, Khairina Natsir	Universitas Tarumanagara
11.00 - 11.15	078	Profitability, Net Working Capital, Firm Size, and Liquidity	Rini Tri Hastuti, Ardiansyah,	Universitas Tarumanagara

Time	Paper ID	Paper Title	Author(s)	Institution
		Factors in Affecting Cash Holding	Ellen Valeria, Michelle Chang	
11.15 - 11.30	086	Comparative Analysis of Financial Performance of Pharmaceutical Companies During and After the Covid-19 Pandemic	Khairina Natsir, Nurainun Bangun	Universitas Tarumanagara
11.30 - 11.45	099	The Influence of Perceived Ease of Use and Perceived Usefulness on Fintech User Loyalty Moderated by Trust	Yossy Afriani, Herlin Tundjung Setijaningsih	Universitas Tarumanagara
11.45 - 12.00	103	Analysis of Capital Buffer, Board Gender Diversity, Ownership Concentration, and Independent Commissioners on Bank Stability	Hendra, Herlin Tundjung Setijaningsih	Universitas Tarumanagara

ONLINE PARALLEL SESSION

ROOM ICEBSH-ON-2

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 1 : Economy and Business

Moderator : Agustin Ekadjaja, S.E., M.Si., Ak., CA.

Time	Paper ID	Paper Title	Author(s)	Institution
13.30 - 13.45	040	The Effect of Institutional Ownership, Board Size, and Independent Commissioner on Financial Performance	Diana Kristiani, Agustin Ekadjaja	Universitas Tarumanagara
13.45 - 14.00	047	The Influence of Profitability, Institutional Ownership, and Managerial Ownership on Stock Return in the Energy Sector	Jessica Verlyn Aurora, Agustin Ekadjaja	Universitas Tarumanagara
14.00 - 14.15	049	The Influence of Profitability, Financial Performance, and CSR-D Practices on Stock Return	Jessica Hannah Kamu, Agustin Ekadjaja	Universitas Tarumanagara
14.15 - 14.30	055	Factors Affecting Firm Value in the Energy and Basic Materials Sector (2019-2023)	Kadek Yogi Pratama, Henny Wirianata	Universitas Tarumanagara
14.30 - 14.45	068	Financial Ratio Analysis to Measure the Financial Performance of the Regional Government of Gorontalo District Budget Year 2020-2023	Edwin Heriyanto, Andreas Bambang Daryatno	Universitas Tarumanagara
14.45 - 15.00	069	The Influence of Internal Control and Internal Audit on Fraud Prevention in the Procurement of Goods/Services in the Rokan Hulu District Government	Urwatul Wutsqa, Andreas Bambang Daryatno	Universitas Tarumanagara

ROOM ICEBSH-ON-2

via Zoom Meeting\

Monday, 14th April 2025 (GMT +8)

Session 2: Economy and Business

Moderator Agustin Ekadjaja, S.E., M.Si., Ak., CA.

Time	Paper ID	Paper Title	Author(s)	Institution
15.15 - 15.30	073	Company Size in Moderate the Influence of Current Ratio and Debt to Equity Ratio on Income Smoothing	Augustpaosa, Rini Tri Hastuti, Karin Flolinda, Salva Sefika	Universitas Tarumanagara
15.30 - 15.45	032	The Equity Factors that Influence Behavioral Loyalty of GrabFood Application Users: Study of Gen Z Consumers in DKI Jakarta	Nathan Indra Gotama, Sanny Ekawati	Universitas Tarumanagara
15.45 - 16.00	036	Understanding Peer-to-Peer Lending for MSMEs in Bandung: the Role of Risk Perception and Perceived Ease of Use in Shaping Transaction Intention	Priyanto, Agustinus Purna Irawan, Haris Maupa	Universitas Tarumanagara
16.00 - 16.15	042	The Application of Entrepreneurial Motivation and Social Media Use on Entrepreneurial Interest among Generation Z in West Jakarta	Sharyn Haliza, Oey Hannes Widjaja	Universitas Tarumanagara
16.15 - 16.30	041	Factors Influencing Sustainability Report Disclosure in Companies Listed on the KOMPAS100 Index (2019-2023)	Felicia Hartono, Henny Wirianata	Universitas Tarumanagara
16.30 - 16.45	081	The Influence of Banking Health Levels Using the RGEC Method on Banking Financial Performance	Lareina Wijaya, Elsa Imelda	Universitas Tarumanagara

ROOM ICEBSH-ON-2

via Zoom Meeting

Tuesday, 15th April 2025 (GMT +8)

Session 3 : Psychology, Art & Design

Moderator : Dr. Raja Oloan Tumanggor, S.Ag.

Time	Paper ID	Paper Title	Author(s)	Institution
09.00 - 09.15	037	The Role of Interpersonal Communication and Self-Efficacy in Shaping Academic Performance in Higher Education	Mohamad Alppy Valdez, Roswiyani Roswiyani, Yenni Yuniati	Universitas Tarumanagara
09.15 - 09.30	082	A Preliminary Study on the Development of Smartphone Usage Behavior Scale for Young Adults	Jivita Hita Salim, Rahmah Hastuti	Universitas Tarumanagara
09.30 - 09.45	089	The Role of Perceived Social Support on Parenting Stress and Paternal Responsive Parenting for Stay-at-Home Father	Sevira, Roswiyani Roswiyani, Monty P. Satiadarma	Universitas Tarumanagara
09.45 - 10.00	009	Is Crisis Counseling Effective for Overcoming Divorce Psychological for Former Wife Couple?	Agoes Dariyo, Raja Oloan Tumanggor, Ezra Andrianputra	Universitas Tarumanagara
10.00 - 10.15	058	Application of Contemporary Design Themes to the Interior of GBI Basilea Menteng Church	Dastine Hariansen Yang, Mariana, Eddy Supriyatna	Universitas Tarumanagara
10.15 - 10.30	059	Application of Alternative Materials in the Interior of Indonesian Coffee Museum	Karmelia Geraldine, Mariana, Eddy Supriyatna	Universitas Tarumanagara
10.30 - 10.45	BREAK			
10.45 - 11.00	072	Corporate Governance Role in Moderating Earnings Management on Company Value	Nurainun Bangun, Khairina Natsir	Universitas Tarumanagara

Time	Paper ID	Paper Title	Author(s)	Institution
		in Indonesia's Infrastructure Sector		
11.00 - 11.15	078	Profitability, Net Working Capital, Firm Size, and Liquidity Factors in Affecting Cash Holding	Rini Tri Hastuti, Ardiansyah, Ellen Valeria, Michelle Chang	Universitas Tarumanagara
11.15 - 11.30	086	Comparative Analysis of Financial Performance of Pharmaceutical Companies During and After the Covid-19 Pandemic	Khairina Natsir, Nurainun Bangun	Universitas Tarumanagara
11.30 - 11.45	095	Gender Differences and Their Influence on Loneliness Among University Students in Jakarta	Dastin Imanuel, Agustina	Universitas Tarumanagara
11.45 - 12.00	097	Chronic Stress Monitoring in Workers Using Heart Rate Variability Compare with Perceived Stress Scale	Ronald Winardi Kartika , Fira Sonia, Pamela Hendra Heng	Universitas Tarumanagara

ONLINE PARALLEL SESSION

ROOM ICEBSH-ON-3

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 1 : Economy and Business

Moderator : Richard Andrew, S.E., M.M

Time	Paper ID	Paper Title	Author(s)	Institution
13.30 - 13.45	002	Factors Influencing Purchase Intention of French Fries 2000	Nicolas Pratama Wijaya, Richard Andrew	Universitas Tarumanagara
13.45 - 14.00	003	Synergy of University Support and Role Models in Enhancing Students' Self-Efficacy for Entrepreneurship	Melly Jessica, Lydiawati Soelaiman	Universitas Tarumanagara
14.00 - 14.15	005	The Role of Celebrity Attractiveness and Credibility in Influencing Impulsive Buying Tendency for UNIQLO	Cynthia Vanessa Mona, Louis Utama	Universitas Tarumanagara
14.15 - 14.30	006	The Impact of E-WOM Quantity and E-WOM Credibility on Online Purchase Intentions for Garnier with Brand Image as a Mediating Factor	Dominic Kenji Kurnia Surya, Louis Utama	Universitas Tarumanagara
14.30 - 14.45	013	Sustainability as a Mediator: The Effect of Entrepreneurial Orientation on Competitive Advantage in Culinary MSMEs	Clarissa, Louis Utama	Universitas Tarumanagara
14.45 - 15.00	031	Determinants of Brand Loyalty at XYZ Coffee Shop: a Study of Gen Z In Jakarta	Cindy Nathania Liman, Sanny Ekawati	Universitas Tarumanagara

ROOM ICEBSH-ON-3

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 2 : Economy and Business

Moderator : Richard Andrew, S.E., M.M

Time	Paper ID	Paper Title	Author(s)	Institution
15.15 - 15.30	020	Sustainability Concept in Furniture and Interior Elements in the Lobby of Wyndham Hotel Jakarta	Graciella Kristian, Fivanda, Aing R. Nayadilaga	Universitas Tarumanagara
15.30 - 15.45	021	Integrating Acoustics with Minimal Intervention in the Interior Design of Metropole XXI Cinema	Anabella Ruthshaina Widjaja, Fivanda, Aing R. Nayadilaga	Universitas Tarumanagara
15.45 - 16.00	022	Selection of Pastel Colors for Children's Reading Room Interior at the National Library of Indonesia	Natasya Zefanya Sidupa, Fivanda, Aing R. Nayadilaga	Universitas Tarumanagara
16.00 - 16.15	023	Cultural Acculturation of Chinese and Nusantara Cultures in the Interior Design of Mandarin Oriental Hotel Jakarta	Rendy Febriansyah, Fivanda, Aing R. Nayadilaga	Universitas Tarumanagara
16.15 - 16.30	077	Instructional Design for Idea Exploration in First Year of Visual Communication Design Students	Siti Nurannisaa P.B., Toto M. Mukmin	Universitas Tarumanagara
16.30 - 16.45	079	Interior Element's Role in Forming Spatial Atmosphere at Manhattan Hotel Jakarta	Angelina Grace Naulita, Aghastya Wiyoso, Anastasia Cinthya Gani	Universitas Tarumanagara
16.45 - 17.00	080	Sustainable Interior Material Selection for Sila Indonesia Tea Museum Welcoming Area in Bogor	Tiffany Chintia, Aghastya Wiyoso, Cinthya Anastasia Gani	Universitas Tarumanagara

ROOM ICEBSH-ON-3

via Zoom Meeting

Tuesday, 15th April 2025 (GMT +8)

Session 3 : Law, Communication

Moderator : Septia Winduwati, S.Sos., M.Si.

Time	Paper ID	Paper Title	Author(s)	Institution
09.00 - 09.15	066	Vicarious Liability for Tortious Acts of Subordinates: A Comparative Analysis of the Indonesian Civil Code and the Nieuw Burgerlijk Wetboek	Gatot Soemartono, Jason Novienco	Universitas Tarumanagara
09.15 - 09.30	098	Smart Digital Contract as A Cost-Efficient Tool of Commerce	Lewiandy	Universitas Tarumanagara
09.30 - 09.45	014	Fabricated Authenticity: The Ethical Paradox of News Cloning in Indonesian Television Journalism	Moehammad Gafar Yoedtadi, Budi Utami, Wulan Purnama Sari	Universitas Tarumanagara
09.45 - 10.00	057	Heritage Meets Creativity: Adaptive Communication Strategies in Kota Lama Semarang	Sisca Aulia	Universitas Tarumanagara
10.00 - 10.15	087	Sociopreneurship Communication Activities of Rapel Yogyakarta in Waste Management to Raise Public Awareness	Septia Winduwati, Lydia Irena	Universitas Tarumanagara
10.15 - 10.30	088	Sentiment Analysis of the Super Priority Tourism Destination Labuan Bajo Based on Artificial Intelligence	Lydia Irena	Universitas Tarumanagara
10.30 - 10.45	BREAK			
10.45 - 11.00	076	Impression Management in Building the Brand of Private Universities (Study of the Role of Public Relations in University Management)	Yugih Setyanto, Susanne Dida, Evi Novianti	Universitas Tarumanagara
11.00 - 11.15	085	Co-Optation of Political Elites in Public Spaces (A Semiotic Study of Building Colors Ahead of the	Wulan Purnama Sari, Suzy Azeharie,	Universitas Tarumanagara

Time	Paper ID	Paper Title	Author(s)	Institution
		Regional Election in Tomohon/Manado)	Claribel Halim, Tracy Zagitania	
11.15 - 11.30	100	Factors Influencing Youth's Intention to Embrace Herbal Remedies in a Modern Society	Hetty Karunia Tunjungsari, Shirly Gunawan, Syed Muntasir Husain Bokhari	Universitas Tarumanagara, School of Management, Asian Institute of Technology, Thailand
11.30 - 11.45	106	Study of RPTRA (Child-Friendly Integrated Public Spaces) as an Urban Tourism Alternative in South Meruya, West Jakarta	Jannat Daneswara, Samsu Hendra Siwi, Titin Fatimah	Universitas Tarumanagara

ONLINE PARALLEL SESSION

ROOM ICEBSH-ON-4

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 1 : Economy and Business

Moderator : Mohammad Agung Saryatmo, S.T., M.M., Ph.D.

Time	Paper ID	Paper Title	Author(s)	Institution
13.30 - 13.45	025	Application of Modified Pucuk Rebung Batik Betawi Motif in Hotel Indonesia Kempinski's Interior Design	Azka Zukhrufa, Adi Ismanto, Ika Yuni Purnama	Universitas Tarumanagara
13.45 - 14.00	026	Harmonization of Dayak And Betawi Ornaments as Decorative Elements in GKKA Banjarmasin in South Jakarta	Deborah Danielle Ismojo, Adi Ismanto, Ika Yuni Purnama	Universitas Tarumanagara
14.00 - 14.15	007	Games as Learning Ecosystems: Clash of Clans in Teaching Visual Communication Design and Programming Algorithms	Edy Chandra, Nero Devanca Chandra	Universitas Tarumanagara
14.15 - 14.30	010	Contemporary Mural Art as the Charm of Artotel Jakarta Hotel Interior Design	Heru Budi Kusuma, Junita Kerin, Viona Elika	Universitas Tarumanagara
14.30 - 14.45	024	Futuristic Concept Design for Interior Branding of FLIX Cinema MOI Jakarta Lobby	Alvin Joseph, Adi Ismanto, Ika Yuni	Universitas Tarumanagara
14.45 - 15.00	027	Processing the Form of Tunggul Kawung Batik Motif as an Aesthetic Element in the Interior Design of 5G Resort in Bogor	Britany Natasa Josefani, Adi Ismanto, Ika Yuni Purnama	Universitas Tarumanagara

ROOM ICEBSH-ON-4

via Zoom Meeting

Monday, 14th April 2025 (GMT +8)

Session 2 : Economy and Business

Moderator : Mohammad Agung Saryatmo, S.T., M.M., Ph.D.

Time	Paper ID	Paper Title	Author(s)	Institution
15.15 - 15.30	051	Enhancing Nutritional Support for Pregnant Women through Effective UI/UX Design	Tjhin Mui Li, Julius Andi Nugroho	Universitas Tarumanagara
15.30 - 15.45	052	The Influence of Personal Branding on Job Opportunities for Gen Z	Felicia Gabriella, Julius Andi Nugroho	Universitas Tarumanagara
15.45 - 16.00	028	Implementation of Sundanese Culture with a Modern Touch in the Interior Design of the Santika Premiere KHI Hotel	Clarestha, Ferdinand, Dwi Sulistyawati	Universitas Tarumanagara
16.00 - 16.15	029	Application of Modern Luxury Concept and Contemporary Technology in the Interior Design of the Business Centre at Hotel Manhattan Jakarta	Maria Yessy Rhema Wijaya, Ferdinand, Dwi Sulistyawati	Universitas Tarumanagara
16.15 - 16.30	053	Development of Lift the Flap Interactive Children's Storybook in Dental Health Education	Jessica Jeane Elfriandari Putri, Julius Andi Nugroho	Universitas Tarumanagara
16.30 - 16.45	054	Development of a Card Game to Express Feelings between Parents and Adolescents	Jesslyn Tandy, Julius Andi Nugroho	Universitas Tarumanagara
16.45 - 17.00	067	Transformation of Traditional Values into Contemporary Design: A Culture-Based Furniture Design Model Inspired by Toraja (Case Study: Arkatana Chair)	Ferdinand, Maitri Widya Mutiara	Universitas Tarumanagara

ROOM ICEBSH-ON-4

via Zoom Meeting

Tuesday, 15th April 2025 (GMT +8)

Session 3 : Psychology

Moderator : Pamela Hendra Heng, S.Pd, M.P.H, M.A., Ph.D.

Time	Paper ID	Paper Title	Author(s)	Institution
09.00 - 09.15	104	Pentahelix Collaboration for Mainstreaming Pancasila through Snakes and Ladders Game	Kurnia Setiawan, Ninawati, Meiske Yunithree	Universitas Tarumanagara
09.15 - 09.30	101	Ethnic Socialization of Chinese Young People in Jakarta	Ninawati, Kurnia Setiawan	Universitas Tarumanagara
09.30 - 09.45	102	Chronic Stress Monitoring in Workers Using Heart Rate Variability Compare with Perceived Stress Scale	Ronald Winardi Kartika, Fira Sonia, Pamela Hendra Heng	Universitas Kristen Krida Wacana, Universitas Tarumanagara
09.45 - 10.00	107	Manfaat Brain Gym untuk Meningkatkan Konsentrasi Anak Tunagrahita di Panti Rawat X	Madeline Natali Angow, Graciella Nathania Widjaja, Jodi Haryanto Soebagio, Denrich Suryadi	Universitas Tarumanagara
10.00 - 10.15	108	Improving Children's Emotion Regulation Skills through the Emotion Calendar: Seeing Parents' Perception of Its Effectiveness	Bintang Maharani S.Y.P, Grace Angel, Yoga Pangestu, Jemima Ruth Wijaya, Sandi Kartasasmita	Universitas Tarumanagara
10.15 - 10.30	109	Enhancing Children's Emotion Regulation through Educational Puppets with QR Code Technology	Anjanette Amelia Gunawan, Edwin Tan, Felice Angela, Salsabila Zahrani Fatiha, Sandy Kartasasmita	Universitas Tarumanagara
10.30 - 10.45	BREAK			

Time	Paper ID	Paper Title	Author(s)	Institution
10.45 - 11.00	111	Decision-Making Styles among Young Adults in the Jabodetabek Region	Angelica Liefianti, Sabrina Ayesha, Calista Shierly Wijaya, Viola Vincentia, Zakia Maulida, Sandi Kartasasmita	Universitas Tarumanagara
11.00 - 11.15	097	Chronic Stress Monitoring in Workers Using Heart Rate Variability Compare with Perceived Stress Scale	Ronald Winardi Kartika, Fira Sonia, Pamela Hendra Heng	Universitas Tarumanagara
11.15 - 11.30	095	Gender Differences and Their Influence on Loneliness Among University Students in Jakarta	Dastin Imanuel, Agustina	Universitas Tarumanagara



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A PRELIMINARY STUDY ON THE DEVELOPMENT OF SMARTPHONE USAGE BEHAVIOR SCALE FOR YOUNG ADULTS

Submitted: dd-mm-yyyy, Revised: dd-mm-yyyy, Accepted: dd-mm-yyyy

ABSTRACT

The definition of Problematic Smartphone Use (PSU) as an addictive behavior remains a topic of ongoing discussion. Although several studies have classified PSU as addictive behavior, it has not yet been formally recognized as a diagnosis in the DSM-5. To date, there is no PSU scale that specifically measures smartphone use from a behavioral perspective. This preliminary study aims to examine the relevance of the behavioral dimensions of mobile phone use proposed by Hooper and Zhou (2007) in the context of smartphone use. This study employs a qualitative approach using the Exploratory Factor Analysis (EFA) method. The targeted participant will be young adults aged 18-25 as they are prone to PSU. This research is still in progress, since the data collection hasn't been conducted yet.

Keywords: Problematic Smartphone Use, Behavior

ABSTRAK

Definisi mengenai penggunaan ponsel pintar yang bermasalah (Problematic Smartphone Use) sebagai perilaku adiksi masih menjadi perdebatan. Walaupun sejumlah penelitian telah menyebutkan bahwa PSU adalah perilaku adiksi, masih belum terdapat diagnosis terhadap perilaku tersebut dalam DSM-5. Hingga sekarang, belum ada skala PSU yang mengukur penggunaan ponsel pintar dari aspek perilaku. Studi awal ini bertujuan untuk mengkaji relevansi dimensi perilaku penggunaan ponsel genggam yang diajukan oleh Hooper dan Zhou (2007) terhadap penggunaan ponsel pintar. Penelitian ini bersifat kualitatif dengan menggunakan metode Exploratory Factor Analysis (EFA). Sampel pada penelitian ini adalah dewasa awal usia 18-25 tahun karena kelompok usia ini rentan terhadap PSU. Riset ini masih dalam perkembangan sebab proses pengambilan data belum dilakukan.

Kata kunci: Problematic Smartphone Use, Perilaku

1. INTRODUCTION

Ever since the discovery of smartphones, the smartphone and its consequences have been widely researched. This is proven by the vast literature studying the effects of smartphone usage on human life aspects (Xu & Long, 2020; Ross, 2021; Harris et al., 2020; Hidalgo-Fuentes, 2022; Sullivan & George, 2023;). While the utilization of smartphones can bring benefits to humans (Xu & Long, 2020; Ross, 2021), others said that smartphones bring more disadvantages (Harris et al., 2020; Hidalgo-Fuentes, 2022). There is a growing concern that excessive use of smartphones can cause addiction. This compulsive smartphone usage pattern was then termed *Problematic Smartphone Use*. Even though this topic has garnered interest from researchers, its classification as an addiction behavior is still being debated (Busch & McCarthy, 2021).

Although numerous scholars have defined PSU as a behavioral addiction (Panova & Carbonell, 2018; Yu & Sussman, 2020; Loleska & Pop-Jordanova, 2021), there hasn't been a diagnosis for PSU in the Diagnostic and Statistical Manual of Mental Disorder-5 (DSM-5-TR) (American Psychologist Association, 2022). Thus, the question, "Is Problematic Smartphone Use an addiction?" has yet to be answered. Furthermore, this question has been lingering for a while, even before the emergence of smartphones. The excessive use of mobile phones, predecessor of smartphones, was also signaled as an addictive behavior (Hooper & Zhou, 2007). To shed some light on this matter, Hooper and Zhou (2007) conducted a study to classify mobile phone usage behavior according to its underlying motivation. The study involved 184 first-year information system students and revealed six dimensions, namely addictive, compulsive, dependent, habitual, voluntary, and mandatory (Hooper & Zhou, 2007). Those dimensions were established by

categorizing behavior based on motivation, as motivation serves as the underlying factor driving behavior (Deci & Ryan, 1985; Hooper & Zhou, 2007).

Hooper and Zhou (2007) defined the dimensions as such; (a) addictive behavior refers to the usage of a mobile phone to a certain state that it has become the primary focus of a person to the exclusion of other activities or has started to negatively impact the individual's life; (b) compulsive behavior is defined as the inability to restrain mobile phone usage; (c) dependent behavior indicates the attachments an individual shows to mobile phone; (d) habitual behavior refers to the usage of the mobile phone as an automatic or unconsciously performed activities; (e) voluntary behavior is a deliberate use of mobile phone influenced by specific motivations also associated with positive outcomes; and (f) mandatory behavior is usage of mobile phone as an activity that needs to be done or followed.

Until now, most of the scales to measure problematic smartphone use are based on the adaptation of an already existing addiction scales. Whereas the best way to measure the behavior is by considering the context, function, and motivation for using a smartphone (Harris et al., 2020). This statement is consistent with the research conducted by Ellis et al. (2019), which compared a range of smartphone usage and 'addiction' scales alongside smartphone usage data obtained from Apple's Screen Time application. In the research, Ellis et al. (2019) stated that the majority of self-reported smartphone assessments demonstrated low accuracy in predicting objective smartphone behaviors, thus behavioral measurement should be conducted using objective data. However, measurement method using objective data has some limitations. One limitation is that researchers cannot obtain smartphone usage data from Android users, as Apple's Screen Time feature is exclusively available on iPhones. Meanwhile, previous research indicates that the behavior of Android and iPhone users differs (Ellis et al., 2019). Moreover, there is a possibility of ethical challenges, such as privacy concerns (Harris et al., 2020).

This scale is being developed as a solution to address the inaccuracies in measuring problematic smartphone use, as well as the practical and ethical challenges associated with objective data collection methods for smartphone usage. When obtaining objective behavior data for research is not possible, this scale can be utilized to assess smartphone use based on the types of behaviors shown. Therefore, this study aims to: (a) conduct a preliminary study into the relevance of behavioral dimensions of mobile phone use, as proposed by Hooper and Zhou (2007).

2. RESEARCH METHOD

Research suggests that young adults are particularly prone to problematic smartphone use as they do not feel comfortable living without smartphones. This can be explained by the younger generation's reliance on smartphones since they have been exposed to technology at a younger age (Busch & McCarthy, 2021). A cross-sectional study conducted by Csibi et al. (2021) showed that the 20-34 age groups reported the highest risk for smartphone-related addictive behavior. Other research found that the 16-25 age group and 26-35 age group exhibit problematic smartphone use risk (Kwon et al., 2017; de-Sola et al., 2017 as cited in Csibi et al., 2021). Therefore, this research will employ a cross-sectional quantitative method with a sample consisting of young adults aged 18–25 years.

The measurement instrument used in this study is a scale originally developed by Hooper and Zhou (2007) to measure behavior types of mobile phone users. This scale consists of six dimensions and 30 items, with Cronbach's alpha coefficients ranging from 0.525 to 0.842, as detailed in Table 2.1 below. Prior to data collection, the scale is translated into Bahasa Indonesia,

and each item underwent content validity testing. Minor adjustments are necessary since the original scale developed by Hooper and Zhou was designed to measure mobile phone usage behavior, whereas mobile phones and smartphones differ in features and functionalities (Harris et al., 2020).

Data collection will be conducted using Google Forms, and the questionnaire will be distributed to first- to third-year psychology students aged 18-25. The sampling technique will be purposive sampling, as researchers set specified criteria for the sample. After collecting the data, the analysis will be performed using Microsoft Excel, IBM Statistical Package for the Social Sciences 23.0 (SPSS), and Jeffrey's Amazing Statistics Program (JASP). The method chosen to perform analysis will be Exploratory Factor Analysis (EFA) method. Since the previous study was conducted in 2007 and there is a difference in the object being measured (from mobile phones to smartphones), there is a possibility of changes in the dimensions from the original study by Hooper and Zhou. Therefore, EFA was preferred because it is focused on assessing new measurements (Nájera et al., 2023). Analysis then will be continued with Confirmatory Factor Analysis (CFA), but this paper will only discuss EFA results since it's a preliminary study.

Table 2.1. *Mobile Phone Behavior Scale (Hooper & Zhou, 2007)*

Construct	Question	Cronbach's alpha
Habitual	I frequently use my cell phone at inappropriate times without thinking e.g. during lecture	0.793
	Using my cell phone is something I do without thinking	
	I end up using my cell phone more than I need to just because I do it all the time	
	I often start to use my cell phone, even though I might be uncertain about my intention to use it	
	Sometimes I want to use my cell phone, but I do not have a clear ideal why I want to use it	
Mandatory	I use my cell phone at times when I see everyone else uses theirs	0.525
	My parents wanted me to have a cell phone so they can keep in touch with me	
	I have a cell phone because my employer or colleagues ask me to	
	I got my cell phone to use in case of emergency	
	I have a cell phone so that my friends can keep in touch with me	
Dependent	People who are important to me think that I should use a cell phone	0.842
	When I don't have my cell phone with me, I feel incomplete	
	I feel lost when I leave my cell phone at home	
	I feel anxious if I forget to take my cell phone with me	
Addictive	I feel anxious or nervous on days when I can't use my cell phone	0.880
	I feel upset to think that I might be missing calls or messages	
	My cell phone starts to disrupt my daily life.	
	I feel that I don't have control of my impulse to use my cell phone	
	I feel others would be horrified if they knew of my cell phone usage habits	
	I don't seem able to change my cell phone usage behavior even though people tell me I spend too much time on it	

Table 2.1 (continue). *Mobile Phone Behavior Scale (Hooper & Zhou, 2007)*

Construct	Question	Cronbach's alpha
Compulsive	I have to use my cell phone even when I know I can't afford it	0.608
	Just using my cell phone, no matter what I do with it, makes me feel good	
	I usually ignore the harmful consequences of spending too much time talking on the phone instead of attending to people around me	
	I have to use my cell phone even when I know I can't afford it	

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	Just using my cell phone, no matter what I do with it, makes me feel good	
	I usually ignore the harmful consequences of spending too much time talking on the phone instead of attending to people around me	
Voluntary	A cell phone allows me to use my time efficiently	0.538
	It is financially beneficial to use a cell phone as opposed to a landline	
	Using a fashion cell phone improves my image	
	Using a cell phone improves my relationship with my friends	
	I find cell phones are easy to use	
	Having a cell phone makes me feel safe while I am walking alone at night	

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