

# Certificate

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This certificate is presented to

**Dr. Ni Wayan Krismayani, S.Pd.,M.Pd,**

as  
**Presenter**

**The 5<sup>th</sup> International Conference on Sustainable Development  
"Research and Community Empowerment Impact for an Inclusive Sustainable Development"  
virtually held on December 17<sup>th</sup>, 2021**

Rector

Universitas Mahasaraswati Denpasar



**Dr. Drs. I Made Sukamerta, M.Pd**

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# Proceedings

## **5<sup>th</sup> International Conference on Sustainable Development (ICSD)**

**Research and Community Empowerment Impact  
for an Inclusive Sustainable Development**

**December 17<sup>th</sup>, 2021**

Publisher :



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# **PROCEEDINGS**

## **5<sup>th</sup> International Conference on Sustainable Development (ICSD)**

**“Research and Community Empowerment Impact for an Inclusive Sustainable Development”**

**Denpasar, December 17<sup>th</sup> 2021**

**Universitas Mahasaraswati Denpasar  
Jalan Kamboja No. 11A, Denpasar, Bali, Indonesia**



**Universitas Mahasaraswati Press  
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# PROCEEDINGS

## 5th International Conference on Sustainable Development (ICSD) “Research and Community Empowerment Impact for an Inclusive Sustainable Development”

Denpasar, December 17th 2021

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## ACKNOWLEDGMENTS

It is a great pleasure for us to welcome you to the 5<sup>th</sup> International Conference on Sustainable Development (ICSD) organized annually by Universitas Mahasaraswati Denpasar. This conference is conducted through an online platform due to Covid-19 Pandemic. We believe that it is not a burden, but it is a challenge and opportunity to make a profound change in our lives together.

The 5<sup>th</sup> ICSD is aimed at providing both the presenters and participants with an opportunity to exchange their ideas, knowledge, thoughts, as well as their best practices related to this year's main theme: "Research and Community Empowerment Impact for an Inclusive Sustainable Development". This conference is also open to other issues, including health and medicine; education and literature studies; art, history, and cultural studies; sustainable infrastructure and environmental management; law and policy; economic and digital business; sustainable agriculture and natural resources; regional planning and rural development; environmental remote sensing; sustainable tourism development.

The number of prominent scholars are invited to this conference to share their insights on issues related to the main theme. We are honoured to meet Dr. Drs. I Made Sukamerta, M.Pd., Universitas Mahasaraswati Denpasar, Indonesia and Prof. Azmi Bin Aris, Ph.D., Universiti Teknologi Malaysia (UTM), Malaysia as keynote speakers. We also proudly welcome the invited speakers; Raquel D. Santiago-Arenas, PhD, Mindanao State University, Philippine; Prof. Konstantinos Tsagarakis, Technical University of Crete, Greece; Dr. Amrita Shankar, Tomo Riba Institute of Health and Medical Sciences (TRIHMS), India; Reem Bedeir, PhD, University of Cairo, Egypt; Daya Negri Wijaya, MA., PhD (Cand.), Universidade do Porto, Portugal; Livia M<sup>a</sup> Soares Teles, Community Agent at Global Assembly, Brazilia; Gjergji Qosja, MA, University "Fan S. Noli", Korçë, Albania; and Dr. Olebogeng Selebi, University of Pretoria, South Africa.

Despite the global health crisis caused by the pandemic, we are pleased to see a lot of academics, researchers, and students participating in this online conference. In the end, we strongly hope that this conference will benefit all presenters and participants.

Stay healthy and have a great conference day.

5<sup>th</sup> ICSD Committee

## BRIEF INTRODUCTION

Addressing the global issue in sustainable development fields, collaboration between any fields should be encouraged. As one of the biggest private universities in Bali, Universitas Mahasaraswati Denpasar has concern on research and community empowerment to give more impact to the society, economy, and environment. Therefore, Unmas Denpasar is organizing an international conference to respond the sustainable development issue and collaboration opportunities across the world entitled International Conference on Sustainable Development (ICSD) as an annual international conference. Bringing up the theme of "Research and Community Empowerment Impact for an Inclusive Sustainable Development" the 5<sup>th</sup> ICSD emphasizes the impact of research and community empowerment in supporting the sustainable development issue from various insight. ICSD invites researcher, academician, higher student, government, or private sector around the world to present their recent study and share their perspective regarding the global issue. The 5<sup>th</sup> ICSD aims to initiate a research collaboration and community empowerment between institutions across the world. The 5<sup>th</sup> ICSD invites the authors from around the world to submit their research or community empowerment work to be presented at the conference with following sub theme:

1. Health and Medicine
2. Education and Literature Studies
3. Art, History, and Cultural Studies
4. Sustainable Infrastructure and Environmental Management
5. Law and Policy
6. Economic and Digital Business
7. Sustainable Agriculture and Natural Resources
8. Regional Planning and Rural Development
9. Environmental Remote Sensing
10. Sustainable Tourism Development

### The Objectives

1. To encourage sharing of knowledge among the academic community, researcher, and practitioners especially in the field of science, engineering, social and humanity.
2. To update the findings and innovation in science, engineering, social and humanity field.





3. To encourage the establishment of international communication and collaboration in research and community empowerment in the field of science, engineering, social and humanity.

## **SPEAKERS**

### **Keynote Speakers**

1. Dr. Drs. I Made Sukamerta, M.Pd., Universitas Mahasaraswati Denpasar, Indonesia
2. Prof. Azmi Bin Aris, Ph.D., Universiti Teknologi Malaysia (UTM)

### **Invited Speakers**

1. Raquel D. Santiago-Arenas, PhD, Mindanao State University, Philippine
2. Prof. Konstantinos Tsagarakis, Technical University of Crete, Greece
3. Dr. Amrita Shankar, Tomo Riba Institute of Health and Medical Sciences (TRIHMS),  
India
4. Reem Bedeir, PhD, University of Cairo, Egypt
5. Daya Negri Wijaya, MA., PhD (Cand.), Universidade do Porto, Portugal
6. Livia M<sup>a</sup> Soares Teles, Community Agent at Global Assembly, Brazilia
7. Gjergji Qosja, MA, University "Fan S. Noli", Korçë, Albania
8. Dr. Olebogeng Selebi, University of Pretoria, South Africa.

## Keynote Speakers



**Dr. Drs. I Made Sukamerta, M.Pd**  
Rector of Universitas Mahasaraswati Denpasar  
Indonesia



**Prof. Azmi Bin Aris, PhD**  
Professor and Director of Research Institute  
for Sustainable Environment (RISE)  
Universiti Teknologi Malaysia (UTM)  
Malaysia

## Invited Speakers

Topic: Social, Art and Humanity



### **Reem Bedeir, PhD**

University of Cairo  
Egypt



### **Daya Negri Wijaya, MA., PhD (Cand.)**

Universidade do Porto  
Portugal



### **Dr. Olebogeng Selebi**

University of Pretoria  
South Africa



### **Livia M<sup>a</sup> Soares Teles**

Community Agent at Global Assembly  
Brazilia

## Invited Speakers

Topic: Science and Engineering



### **Prof. Konstantinos Tsagarakis**

Technical University of Crete  
Greece



### **Raquel D. Santiago-Arenas, PhD**

Mindanao State University – Maguindanao  
Philippine



### **Gjergji Qosja, MA**

University "Fan S. Noli", Korçë  
Albania



### **Dr. Amrita Sarkar**

Tomo Riba Institute of Health and Medical Sciences (TRIHMS)  
India.

## Table of Content

Acknowledgement .....	v
Brief Introduction .....	vi
Speakers .....	viii
Table of Content .....	ix
<hr/>	
<b>Contextual Teaching And Learning (CTL) Strategy In Vocabulary Acquisition In The Correlation Of Improving Learner's Listening Skill Comprehension</b>	1-8
I Kadek Wira Dana	
<b>How Does Sustainability Concept Work At University In Pandemic Era?</b>	9-13
Ni Made Indah Mentari, Kadek Indah Kusuma Dewi	
<b>The Correlation Between Students' Vocabulary Mastery And Reading Comprehension</b>	14-21
Ni Kadek Irma Anjani, Putu Ayu Paramita Dharmayanti, Ida Bagus Nyoman Mantra	
<b>Correlation Between Self-Efficacy And Speaking Ability</b>	22-29
Ni Putu Aseri Devi, Luh Ketut Sri Widhiasih, I Nengah Astawa	
<b>Project-Based Learning In English As Foreign Language Teaching</b>	30-36
Putu Ayu Paramita Dharmayanti, Dewa Ayu Ari Wiryadi Joni	
<b>A Correlational Study Between Vocabulary Mastery And Reading Comprehension Of The Eighth-Grade Students Of SMPN 2 Ubud</b>	37-43
Dewa Made Dana Pandita, I Komang Budiarta, Ni Wayan Krismayani	
<b>Applying Tell-Show Strategy Combined with Pictures to Improve Writing Skill of The Eighth-Grade Students of SMPN 2 Kuta Utara</b>	44-51
Ni Komang Yunda Devi Maheswari, I Komang Budiarta, Anak Agung Putri Maharani <sup>3</sup>	
<b>Students' Self-Confidence and Speaking Skill: A Correlational Study</b>	52-57
Ni Komang Ayu Setia Permata Dewi <sup>1</sup> , Luh Ketut Sri Widhiasih, Ida Ayu Made Sri Widiastuti	
<b>Project-Based Language Teaching and Technology in Online Drama Class</b>	58-61
Luh Ketut Sri Widhiasih	
<b>The Correlation Study Between Vocabulary Mastery and Reading Comprehension of The Eleventh-Grade Students of SMA PGRI Blahbatuh</b>	62-69
Ida Ayu Putu Diah Indrayani, Ni Wayan Krismayani, I Komang Budiarta	
<b>Interjections Translation from English to Indonesian in <i>Diary of a Wimpy Kid-Cabin Fever</i></b>	70-75
Ni Made Verayanti Utami, Putu Desi Anggerina Hikmaharyanti	
<b>Comparative Analysis of Adverbs <i>Tabun</i> and <i>Moshikashitara</i> in Japanese</b>	76-80
Made Henra Dwikarmawan Sudipa	
<b>Elevated Manufacturing Metal Stamping Machines to Enhance Productivity. Thailand</b>	81-85
Akaranun Asavarutpokin, Kanakon Sawangcharoen	
<b>Teaching Material Supplements Based on Local Genius in Biology Learning</b>	86-92
Ida Bagus Ari Arjaya, I Made Surya Hermawan, Anak Agung Inten Paraniti, Made Rai Kusuma Wardani Adi Putri	

<b>Shortcuts to Memorizing English Academic Vocabulary: A Case Study of English-Major Students in the Self-Regulated Learning Environment</b> Sabaitip Keemthong	93-100
<b>Blurry Feminism in <i>Tarian Bumi</i> Novel Written by Oka Rusmini</b> I Komang Widana Putra <sup>1</sup> , Ni Wayan Eminda Sari <sup>2</sup> , Ida Ayu Made Wedasuari, Ni Luh Eka Purnami Pinatih	101-103
<b>The Correlation Between Vocabulary Mastery and Descriptive Paragraph Writing Ability of the Eighth-Grade Students of SMPN 5 Sukawati</b> Sri Dalm Swarga Wisnu Buana, Anak Agung Putri Maharani, I Komang Budiarta	104-110
<b>A Historical Overview of the Urban Development of the City of Durrës, Albania</b> Gjergji Qosja	111-117
<b>Indoctrination of Ethic-Code Samurai Towards Kamikaze Pilots During World War II</b> Wayan Nurita, I Gusti Ayu Vina Widiadnya Putri, Komang Dian Puspita Candra	118-124
<b>The Creation of Dance "Laos Impression"</b> Tanapach Asavasemachai, Kodchakorn Chitthum, Khomchawat Phasurichandaeng, Ammarin Rangpeth	125-130
<b>The Compressive Strength of Concrete with Addition of Single-Use Mask Waste Fiber</b> I Gede Gegiranang Wiryadi, I Putu Agus Putra Wirawan, I Made Wahyu Wijaya, I Kadek Ardi Putra, Wahyu Tri Sutrisno	131-139
<b>Code Switching in Daily Interaction of A Rural Society in Bali</b> I Dewa Ayu Devi Maharani Santika, Anak Agung Ayu Dian Andriyani, I Komang Sulatra	140-144
<b>Design and Construction of Humidity Control System at Kumbung Jamur Cijontang Using Fuzzy Logic and IoT</b> Habil Mulyatama, Porman Pangribuan, Muhammad Hablul Barri, Jeremy Moses	145-154
<b>Characteristics of Paving Blocks with Addition of Mask Waste Fiber</b> I Putu Agus Putra Wirawan, I Gede Gegiranang Wiryadi, Ida Bagus Gede Mahardika	155-162
<b>The Analysis of Solid Waste Transportation System in The District of North Lombok</b> Helin Ayu Putrini, Ida Ayu Oka Suwati Sideman, Agustono Setiawan	163-167
<b>Review: Superhydrophobic Nickel Coatings for Corrosion Protection by Electrodeposition</b> Sri Ramadhani, Rini Riastuti, Nono Darsono	168-172
<b>Regulation of Tourist Village Management by Customary Village to Improve People Economy in Bali</b> I Wayan Gde Wiryawan, Lis Julianti	173-176
<b>Food Social Ministration Program Corona Virus Disease 2019 (Covid-19) Indragiri Hilir District – Riau – Indonesia</b> Mimin Sundari Nasution, Putri Angellia Perdana	177-182
<b>Jurisdiction Overview of Unfair Business Competition Between Online Shops During The Covid - 19 Pandemic</b> Putu Sekarwangi Saraswati, I Nengah Susrama	183-188

<b>Modeling and Validation of Experimental Test Results on Infilled Frame With Eccentric Reinforced Opening</b>	189-198
I Ketut Diartama Kubon Tubuh, I Gede Gegiranang Wiryadi, I Putu Agus Putra Wirawan, Ni Luh Made Ayu Mirayani Pradnyadari	
<b>The Effect of Human Resource Development on Employee Performance with Motivation as an Intervening Variable at LPD in Mengwi District, Badung Regency</b>	199-207
I Made Mahendra Putra, Anak Agung Dwi Widnyani, Ni Putu Ayu Sintya Saraswati	
<b>Effect Of Women Worker Entrepreneurial Attitude In Tabanan Traditional Market</b>	208-212
Putu Eka Indrawan, I Gusti Agung Gede Wiadnyana, Pande Komang Suparyana, Ni Putu Sukanteri	
<b>Effect Of Job Characteristics, Motivation, And Work Environment On Employee Job Satisfaction At LPD In Pakraman Peraupan Traditional Village Denpasar Peguyangan</b>	213-220
Ni Putu Ayu Agika Wulan Dewia, Gde Bayu Surya Parwita, Putu Agus Eka Rismawan	
<b>Analysis Of The Influence Of Brand Image, Product Quality, and Price Perception On Interest To Buy Oriflame Product</b>	221-227
Putu Lia Pramesti Anggarania, Anak Agung Putu Agung, Ni Putu Cempaka Dharmadewi Atmaja	
<b>Earning Per Share, Dividend Payout Ratio, Stock Trading Volume, Total Assets Turnover and Market Value Added On The Stock Price Of Banking Companies</b>	228-233
Sagung Oka Pradnyawati, Putu Kepramareni, Putu Tania Dewi	
<b>The Effect Of Efishery And Probiotic Dosage On Growth Rate And Survival Of Tilapia</b>	234-239
I Made Diarta, I Putu Sujana, Luh Komang Merawati	
<b>Tri Datu Model Slope Stability in Collaboration with Community Based Hydroseeding (Case Study: Songan Villages A and B Kintamani)</b>	240-247
I Made Nada, Ida Bagus Suryatmaja, I Gede Oka Darmayasa	
<b>Tourism Destination Arrangement Model By Participatory Method (Case Study: Tourism of Tracking Terbit Menoreh, Kulon Progo, Yogyakarta)</b>	248-257
Tutun Seliari, Winarna, Paulus Bawole, Wahyu Aji Pamungkas	
<b>The Application of Aisatsu in Japanese Hospitality Culture</b>	258-261
Ladycia Sundayra	
<b>Development of Nyegara-Gunung Agrotourism on Environmentally Base</b>	262-268
Cening Kardi, Nyoman Utari Vipriyanti	
<b>Scaffolding for a Meaningful Learning: Integrating Extensive Reading and Tri Hita Karana Values</b>	269-275
I Gde Putu Agus Pramerta	
<b>Inserting Tri Hita Karana-Based Learning Materials to an EFL Class For Character Education</b>	276-281
Nengah Dwi Handayania, Ni Made Kasih Wulandari, Komang Ayu Maharani Dewi	
<b>The Effect of Discipline on Mathematics Learning Results of Class X Vocational School Students During the Covid-19 Pandemic</b>	282-286
Putu Suarniti Noviantari, Kadek Rahayu Puspawati, Ni Kadek Putri Trisnasari	





**Temple Waste Characterization for Further Potential Sustainable Waste  
Recycling Initiative**

287-291

I Made Wahyu Wijaya, I Gusti Ngurah Made Wiratama, I Kadek Adi Putra

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