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# Certificate of Appreciation

No. 1710/USM.H/I/2022

This is to certify that,

***Doni Stiadi***

has participated as

***Oral Presenter***

***International Conference***

**on Sustainable Development Goals (USM-SDGs 2022) :  
*The Role of Higher Education in Achieving SDGs***

July 30-31, 2022 Semarang University, Indonesia

**Prof. Dr. Novizar Nazir**  
Asia Pacific Coordinator of SAFE-Network

**Dr. Supari**  
Rector of Semarang University

**Dr. Rohadi**  
Chairman of the Conference



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***International Conference***  
**on Sustainable Development Goals (USM-SDGs 2022) :**  
***The Role of Higher Education in Achieving SDGs***

**30-31 July 2022, Semarang University, Indonesia**

**Program of Technical  
Session and Abstract Book**

**a Hybrid International Conference Combining  
Online and Offline Presentation**



INTERNATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT GOALS :  
THE ROLE OF HIGHER EDUCATION IN ACHIEVING SDGS  
JULY 30-31, 2022



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Address.

Jl. Soekarno Hatta RT.7/RW.7, Zip Code 59160, Tlogosari Kulon, Kec. Pedurungan, Semarang City, Central Java, Indonesia.

## Scientific Committee

1. Dr. Norman De Jesus, Pampanga State University of Agriculture. Philippines
2. Dr. Ravindra C Joshi, Central Bicol State University of Agriculture. Philippines
3. Dr. Hermogenes Pagua, Bataan Peninsula State University. Philippines
4. Prof. Dr. Nobutaka Ito, Maejo University. Thailand
5. Prof. Dr. Azwani Mat Lazim, Universiti Kebangsaan Malaysia
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9. Prof. Dr. Fauzan Azima, Andalas University. Indonesia
10. Prof. Dr. Ir. Kesi Widjajanti, S.E, M.M, Semarang University. Indonesia
11. Prof. Dr. Ir. Sri Budi Wahjuningsih, M.P, Semarang University. Indonesia
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13. Prof. Dr. Ir. Mudjiastuti Handayani, MT, Semarang University. Indonesia
14. Tole Sutikno, ST., MT, PhD, Universitas Ahmad Dahlan. Indonesia



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## Committee Welcome

Assalamua'laikum Warohmatullohi Wabarokatuh.

Honorable Governor of Central Java (Mr. Ganjar Pranowo) or representative.

Respectable rector of Semarang University, Dr. Supari

Dearest Chairs, invited speakers, are:

1. Prof. Sudarto P Hadi, Semarang University Indonesia
2. Prof. Renato Andrin Vilano, Chair of Research and Research Training Committee.  
University of New England Business School, Australia
3. Dr. Nam Hoang Nguyen, National Economics University, Vietnam
4. Prof. Dr. Yus Aniza Yusof, Deputy Director of Halal Products Research Institute, Universiti  
Putra Malaysia.
5. Prof. Helmi, MSc. Andalas University Indonesia
6. Prof. Novizar Nazir, Andalas University, Indonesia. Coordinator Asia Pacific Network for  
Sustainable Agriculture, Food and Energy (SAFE-Network):
7. Dr. Hanilyn Hidalgo, Central Bicol State University of Agriculture the Philippines, as  
moderator at this moment and participant of USM SDGs 2022.
8. All the Scientific Committees of USM SDGs 2022.

Thank you for the time, talent, and expertise you have given as **scientific committee** on the  
Circular International Conference entitled Sustainable Development Goals (USM-SDGs  
2022): The Role of Higher Education in Achieving SDGs. Semarang University, Indonesia

My beloved Steering Committee and Operating Committee of USM SDGs 2022.

Dear professors, lecturers, researchers, ladies, and gentlemen. On behalf of the  
International Conference, I, as chairman, would like to express my sincere gratitude and  
welcome you to the International Conference on Sustainable Development Goals: The Role of  
Higher Education in Achieving SDGs 2022, who had hard work to prepare this conference with  
good and especially to all the participant who came from Sabang Aceh Province to Merauke  
Papua, even from several foreign universities such as from Malaysia, Thailand, Iraq,  
Bangladesh, Philippine, India, and Ghana Africa. More than 200 participants took part in this  
conference, both online and offline. Moreover, I honorably welcome our keynote and invited  
speakers on USM SDGs 2022.



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The theme of this international conference is “The Role of Higher Education in Achieving SDGs.” This conference aims to discuss topics such as circular economy, consumption and production of food, gender inclusion in smallholder-based supply chains, and cultural-base agritourist related to SDGs goals and targets. More topics will be discussed in parallel class.

Then, to find information in the form of knowledge and science and technology related to the Republic of Indonesia government program to eradicate absolute poverty by 2024. Hopefully, this conference will contribute to the Semarang Food System and Its Transformation towards a Sustainable Urban Food System Program held by United Nations Environment Program (UNEP) today.

At this conference, we will get a lot of important information. By this, I, who represent the entire committee, hope this conference will benefit all. Before I end my report, please allow the Rector of Semarang University, Dr. Supari, to open this seminar.

Thank you for several journals in Indonesia that have been willing to cooperate to publish the articles from this conference.

The last so my chairperson report, I cover with wabillahitaufik wal Hidayah wassalamualaikum warahmatullahi wabarakatuuh.

Chairman

Dr. Ir. Rohadi, M.P



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## Greeting from SAFE-Network

The Sustainable Development Goals (SDGs) are global action plans agreed upon by world leaders, including Indonesia, to end poverty, reduce inequality, and protect the environment. The SDGs contain 17 Goals and 169 Targets that are expected to be achieved by 2030. The SDGs also represent planning and follow-up tools for countries at the national and local levels. With their long-term approach, they offer support for each country on its journey towards sustainable, inclusive, and environmentally friendly development, through the formulation of public policies and budget instruments, monitoring, and evaluation.

SAFE-Network as a Network of academias, researchers, and practitioners of sustainable development in agriculture, food, and energy in the Asia Pacific Region is taking part in supporting this SDG's global action plan. One form of support is to take part in the implementation of the conference held by the University of Semarang.

Many high-quality studies have been conducted by higher education contributing to the SDGs. Research, comparative, survey-based, or case-based studies describing institutional experiences end with recommendations. In addition, recommendations often require universities to play a more prominent role in the development of the SDGs. Since higher education institutions are considered living laboratories in the field of sustainable development, their activities can have a multiplier effect on the ground that other institutions, except education, may not be able to have. The results of research resulting from higher education should be published and read by a large audience. This conference is expected to be a bridge to promote the work of higher education and increase the number of universities committed to the SDGs. In addition, higher education institutions are expected to lead the process of transforming activities to reduce negative impacts on the environment and ensure the adoption of sustainable development models.

On this occasion, SAFE-Network congratulates Semarang University for successfully organizing this conference. As a member of the SAFE-Network, we are proud of Semarang University for contributing to continuing to be involved in sustainable development program. We would like to thank the speakers who came from Australia, Indonesia, Malaysia, the Philippines, and Vietnam who have subverted their thoughts. To the Scientific Committee Members who came from various countries in the Asia Pacific, we also thank you. In



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particular, SAFE-Network gave the highest appreciation to the Governor of Central Java, Bapak. Ganjar Pranowo, who provided support for this event. Appreciation also to the Rector of the Semarang University, Dean the Faculty of Agricultural Technology, Semarang University), along with the entire conference committee who have worked hard to prepare for this event, as well as all participants of this conference.

Best Regards

Prof. Dr. Novizar Nazir,

Asia Pacific Coordinator of SAFE-Network



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## Rector Opening Remark

To the honourable Governor of Central Java His excellency Mr. Ganjar Pranowo, SH., MIP.

To the honourable chairman of Diponegoro University Alumni Foundation, Prof. Dr. Ir. Hj. Kesi Widjajanti, SE, MM

To the honourable invited speakers:

1. Prof. Dr. Sudarto P. Hadi MES, PhD
2. Prof. Dr. Novizar Nazir
3. Prof. Dr. Renato Andrin Villano
4. Prof. Abdul Sattar Nizami, PhD
5. Prof. Dr. Yus Aniza Yusof
6. Dr. Nam Hoang Nguyen
7. Dr. Hanilyn Hidalgo as moderator

To all academics at Semarang University , Conference presenter and participants, students, Ladies and gentlemen.

Assalamu'alaikum wr wb,

In this great opportunity on behalf of Semarang University I would like to officially welcome the invited speakers and participants to Semarang University. I hope that your stay in Semarang is comfortable as well as enjoyable.

The USM SDGs conference with the theme “The role of higher education in achieving SDGs” is a part of the academic celebration of 7<sup>th</sup> Lustrum of Semarang University in 2022. I hope that through this conference we can share our research which will give benefit to the many aspects of global development, to make this world a better place.

I am expecting that after this conference, there will be an opportunity to develop collaboration between Semarang University with Universities of the invited speakers, which are: Andalas University, University of New England (Australia), Government College University (Pakistan), Universiti Putra Malaysia, National Economic University (Vietnam) and Central Bicol State University of Agriculture (Philippines).

In this opportunity I would like to extend my gratitude to everyone who has given their efforts until this seminar can be carried out.

Thank you to the committee, moderator and participants.

Especially to all invited speakers, I would like to thank you for effort, your time and willingness to come to our university.





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To end my speech, I wish all the best and success for this international conference, I hope all participant have a fruitful discussion and will bring home new priceless knowledge.

Lastly, with the words Bismillahirrohmanirrohim, I declare the international conference to be officially open

Wassalamualaikum Wr Wb.



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## Time Schedule

### DAY 1

**Saturday, July 30<sup>th</sup> 2022**

Time	Activities	Remarks
07.30-08.00 AM	<ul style="list-style-type: none"> <li>Registration</li> <li>Video profile of Semarang University</li> </ul>	<ul style="list-style-type: none"> <li>Secretariat</li> <li>IT Team</li> <li>Venue: Ir. Widjatmoko Auditorium</li> </ul>
08.00 – 08.10 AM	Opening ceremony	<ul style="list-style-type: none"> <li>MC: Dini Anggraheni, SS. M. Hum</li> <li>IT Team</li> <li>Venue: Ir. Widjatmoko Auditorium</li> </ul>
08.10 – 08.15 AM	<ul style="list-style-type: none"> <li>National Anthem by Sapta Gita Jaya: Indonesia Raya</li> </ul>	
08.15 – 08.25 AM	<ul style="list-style-type: none"> <li>Pray: Ir. Bambang Tutuko, M.M., M. T.</li> </ul>	
08.25 – 08.35 AM	<ul style="list-style-type: none"> <li>Chairperson report: Dr. Ir. Rohadi, M.P.</li> <li>Opening Speech: Dr. . Supari, S.T., M.T. (Rector of Semarang University)</li> </ul>	
08.35 – 08.45 AM	<ul style="list-style-type: none"> <li>Song by Sapta Gita Jaya: Soleram</li> </ul>	
08.45 – 09.00 AM	<ul style="list-style-type: none"> <li>Traditional dance by Sadiwasa Axioma: Gambyong</li> </ul>	
09.00-09.30 AM	Keynote Speaker: Governor of Central Java	
09.30-09.45 AM	Invited speaker 1 Prof. Dr. Sudarto P Hadi, MES, PhD, Universitas Semarang. Indonesia: Utilizing Action Research for SDGS	
09.45-10.00 AM	Invited speaker 2 Prof. Dr. Renato Andrin Vilano, Chair of Research and Research Training Committee. University of New England Bussiness School. Australia: Gender Inclusion in Smallholder-Based Supply Chains	<ul style="list-style-type: none"> <li>Moderator: Dr. Hanilyn Hidalgo</li> <li>Venue: Ir. Widjatmoko Auditorium</li> </ul>
10.00-10.15 AM	Invited speaker 3 Dr. Nam Hoang Nguyen, National Economics University. Vietnam: Global Status of Implementation of Circular Economy	
10.15-10.30 AM	Discussion	
10.30-10.40 AM	Song by Sapta Gita Jaya: Jangkrik Genggong	



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10.40-10.55 AM	<p>Invited speaker 4</p> <p>Prof. Dr. Yus Aniza Yusof, Professor of Food Material Engineering/ Particle Technology Universiti Putra Malaysia (UPM). Deputy Director of Halal Products Research Institut, Universiti Putra Malaysia: Sustainable Consumption and Production of Food</p>	
10.55-11.10 AM	<p>Invited speaker 5</p> <p>Prof. Dr. Ir. Helmi, MSc., Indigenous Community and SDGs: Toward achieving SDG 1 and SDG 2 through cultural-base agritourism development in Mentawai Island, Indonesia.</p>	
11.10-11.25 AM	<p>Invited speaker 6</p> <p>Prof. Dr. Novizar Nazir, Andalas University. Indonesia. Coordinator Asia Pacific Network for Sustainable Agriculture, Food and Energy (SAFE-Network): Transforming our world: the 2030 Agenda for Sustainable Development.</p>	
11.25-11.40 AM	Discussion	
11.40 AM – 01.30 PM	<ul style="list-style-type: none"> <li>• Lunch break</li> <li>• Song by Sapta Gita Jaya: Can't help falling in love</li> <li>• Announcement</li> <li>• Join breakout room</li> </ul>	<ul style="list-style-type: none"> <li>• MC: Dini Anggraheni, SS. M. Hum</li> <li>• IT Team</li> </ul>
01.30-03.35 PM	Parallel presentation and discussion	Parallel room
03.35-04.05 PM	<ul style="list-style-type: none"> <li>• Join main room</li> <li>• Coffee break</li> <li>• Song by Sapta Gita Jaya: Something just like this</li> <li>• Traditional dance by Sandiwasa Axioma: Gambang Semarang</li> </ul>	<ul style="list-style-type: none"> <li>• MC: Dini Anggraheni, SS. M. Hum</li> <li>• IT Team</li> <li>• Venue: Ir. Widjatmoko Auditorium</li> </ul>
04.05-04.20 PM	<ul style="list-style-type: none"> <li>• Closing speech: Dr. Ir. Haslina, MSi (Dean of Faculty of Agricultural Technology, Semarang University)</li> <li>• Best Presenter announcement</li> </ul>	<ul style="list-style-type: none"> <li>• MC: Dini Anggraheni, SS. M. Hum.</li> <li>• Venue: Ir. Widjatmoko Auditorium</li> </ul>



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**DAY 2**

**Sunday, July 31<sup>th</sup> 2022**

Time	Activities	Remarks
09.00 AM- 04.00 PM	City tour: <ul style="list-style-type: none"> <li>• Dusun Semilir</li> <li>• Lawang Sewu</li> <li>• Kota Lama</li> </ul>	<ul style="list-style-type: none"> <li>• Secretariat</li> <li>• Luky Prasetyo, STP</li> <li>• Agus Susanto, ST</li> </ul>



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SDGs-  
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### **MODERATING ESG RISK IN THE RELATIONSHIP OF INVESTMENT DECISIONS AND FIRM VALUE**

Doni Stiadi<sup>1</sup>

<sup>1</sup>) Fakultas Ekonomi dan Bisnis, Universitas Lambung Mangkurat, Banjarmasin.  
Jl. Brigjen H. Hasan Basry Kotak Pos 219 Banjarmasin-Kalimantan Selatan 70123  
Corresponding Author: donistiadi@ulm.ac.id<sup>1</sup>)

**Abstract.** Investment decisions by investors and company management not only consider aspects of the company's financial performance but also relate to the company's sustainability on the environment as a responsibility for the environmental impact of the company's activities. The alignment of corporate responsibilities can be seen from the company's concern about Environmental, Social, and Governance (ESG). This study aims to analyze the role of ESG risk in moderating the relationship between investment decisions and firm value in the ESG Leader Index (IDXESGL) group of companies on the Indonesia Stock Exchange (IDX). The sample selection was based on purposive sampling on 30 companies for the period 2021-2022 with 3 times the evaluation period of the IDXESGL index so that 24 companies were selected and the number of observational data was 72 observations. Data research analysis using the structural equation model (SEM) method with Partial Least Square (PLS) analysis technique. The results of the analysis show that ESG risk moderates the relationship between investment decisions and firm value. Therefore, the better the company's ESG performance will strengthen the influence of investment decisions on company value, and for the future the company will continue to grow sustainably.

**Keywords:** ESG, Investment Decision, Firm Value.

SDGs-28

### **Tracking one Decades of Land Cover Around Gajah Wong River Sub-Watershed Yogyakarta, Indonesia**

I Sholikhati<sup>1</sup>, T R Soeprbowati<sup>1,2</sup>, Jumari<sup>1</sup>

<sup>1</sup>Magister Program of Biology, Department of Biology, Faculty of Sciences and Mathematics,  
Diponegoro University, Semarang, Indonesia

<sup>2</sup>Department of Biology, Faculty of Sciences and Mathematics, Diponegoro University, Semarang,  
Indonesia

**Abstract.** Yogyakarta Special Region is one of the provinces in Indonesia that is actively implementing the Sustainable Development Goals (SDGs). The Gajah Wong River is one of the rivers that flow through the densely populated areas in the Yogyakarta Special Region, which is facing the problem of land-use change in the form of settlement development in the river area. This has the effect of destroying river vegetation diversity and degrading water quality. This study aims to identify land cover changes in the last 10 years or one decade. The method uses Landsat images. The time series used were 1999, 2009, 2019, and 2029. The data were interpreted based on the types of land cover and how the changes occurred during that period. Based on the Landsat imagery the total area of Gajah Wong River Sub-Watershed is 4.394,98 ha and three types of land cover identified, namely: built-up land, rice fields, and plantations. The increase in the area of built-up land types (54%), is in line with the decrease in the area of rice fields (28%) and plantations (26%). Changes in the pattern of land use in the Gajah Wong River Sub-watershed, are in line with the increase in the number of developments that will be made and affecting the river.

**Keywords:** Gajah Wong, Sub-Watershed, Land cover, Land use, SDGs.

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Topic: Topic Related to the 17 Sustainable Development Goals (Online)**

NO	CODE	NAME	TITLE	Country
124	SDGs-126	Willyanto Kartiko Kusumo 1 , Tarmizi Achmad 2 , Zulaikha	Village Fund Management Model in Fraud Prevention: Potential Problems and Solutions	Indonesia
125	SDGs-174	Sri Handayani, S.T.,M.T	Model of Customer Relationship Management in Colleges Using Semi Supervised Learning	Indonesia
126	SDGs-195	Asah Wiari Sidiq <sup>1</sup> , Citra Rizkiana <sup>2</sup> , Miftahul Fuadi	The Effect of Financial Literacy and Income on Family Fanancial Management Behavior in Housewives Who Work in Meteseh Village, Semarang City	Indonesia
127	SDGs-201	Wiwin Widiastuti, Hardi Warsono, Retno Suni Astuti	The Impact of the Covid-19 Pandemic on Tourism MSMEs, Survival Strategy and Government Policy in Restoring the Economic Condition of Tourism MSMEs in the Borobudur National Tourism Strategic Area, Central Java,Indonesia	Indonesia
128	SDGs-212	TETI SUSILOWATI, Muryanto Agus Nuswantoro , Emy Susiatin	FACTORS ANALYSIS OF SERVICE QUALITY ( TANGIBLE, RELIABILITY, RESPONSIVENESS, ASSURANCE, EMPHATY ) ON CUSTOMER SATISFACTION AT NGREMBEL ASRI FISHING RESTAURANT	Indonesia
129	SDGs-07	Ardhi Nur Ikhsan	Implementation of a Gender Education System to Increase Women's Participation as Important Actors in Leadership	Indonesia
130	SDGs-24	Amri Panahatan Sihotang, B. Rini Heryanti	THE EXISTENCE OF DALIHAN NA TOLU IN HANDLING COVID-19 IN THE BATAK TOBA COMMUNITY IN SEMARANG	Indonesia
131	SDGs-43	Yunan Prasetyo Kurniawan, Adnan Hamid, Endra Wijaya, Henri Christian Pattinaja, Muhammad Soleh Bagja, Ananda Salsabila Putri, Mohamad Surya Ramadhani	Level of community understanding of restorative justice (diversion) at the city level, case study community in depok city	Indonesia
132	SDGs-44	Subaidah Ratna Juita, Dhian Indah Astanti, Dian Septiandani	LEGAL PROTECTION OF BANK CUSTOMERS VICTIMS OF SKIMMING CRIME	Indonesia
133	SDGs-148	Ani Triwati, M. Iftar Aryaputra	THE POLICY FULFILLMENT OF WOMEN RIGHTS AS VICTIMS OF SEXUAL VIOLENCE IN EDUCATIONAL INSTITUTIONS	indonesia
134	SDGs-158	Doddy Kridasaksan, Efi Yulistyowati, Supriyadi, Albertus Heru Nuswanto.	REGULATION OF WELL-KNOWN MARKS AGAINST PASSING OFF RELATED TO CONSUMER PROTECTION	Indonesia
135	SDGs-36	Helen Intania , Wahyu Satria WPW	ONLINE-BASED SEXUAL VIOLENCE ANALYSIS IN LEGAL CONSTRUCTION IN INDONESIA	Indonesia
136	SDGs-42	Yunan Prasetyo Kurniawan Edi Tarsono Luh Rina Apriani, Titing Sugiarti, Henri Christian Pattinaja Farabi As-Sabili Abdul Rahman	Gross Violence Of Human Rights, Individual Rights and Intervention Rights of Prisoners Victims of Tangerang Prison Fire	Indonesia
137	SDGs-75	Dewi Tuti Muryati , Dharu Triasih , Tri Mulyani	ENVIRONMENTAL PERMISSION LEGAL POLITICS IN SUSTAINABLE DEVELOPMENT PERSPECTIVE	Indonesia
138	SDGs-139	Doni Stiadi	MODERATING ESG RISK IN THE RELATIONSHIP OF INVESTMENT DECISIONS AND FIRM VALUE	Indonesia