



**IPB University**  
— Bogor Indonesia —

# Sustainable Development Goals Repots 2021

Graduate School  
IPB University - 2022

Inspiring Innovation with Integrity

<https://pasca.ipb.ac.id>

# MS-FSCC Joint Master Program



## MS Food Security & Climate Change

The Master of Science in Food Security and Climate Change (MS FSCC) is a joint degree offered by five members of the University Consortium for Graduate Education in Agriculture and Natural Resources (UC), namely Kasetsart University (KU), University of the Philippines Los Baños (UPLB), Universiti Putra Malaysia (UPM), Institut Pertanian Bogor (IPB) and Universitas Gadjah Mada (UGM).

Target outcome :

Sustainable food production systems and resilient agricultural practices (2.3)

Education for sustainable development and global citizenship (4.7)

Strengthen resilience and adaptive capacity to climate-related disasters (13.1)

IPB University has developed the modules for 2 core compulsory courses, and has been offered to the students in IPB University on second semester 2018-2019.

1. Changing Climate and its Impacts on Natural Resources
2. Impact Assessment and Evaluation of Projects and Policies.

To implement this study program, an Organizing Committee to establish the academic paper to be proposed to the academic senate of IPB has been assigned. This study program is targeted to be opened odd semester 2022/2023. However, students from other study programs may join the MSFSCC offered by university partners.

[URL - https://msfsc.org/](https://msfsc.org/)

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# PARE Joint Academic Program



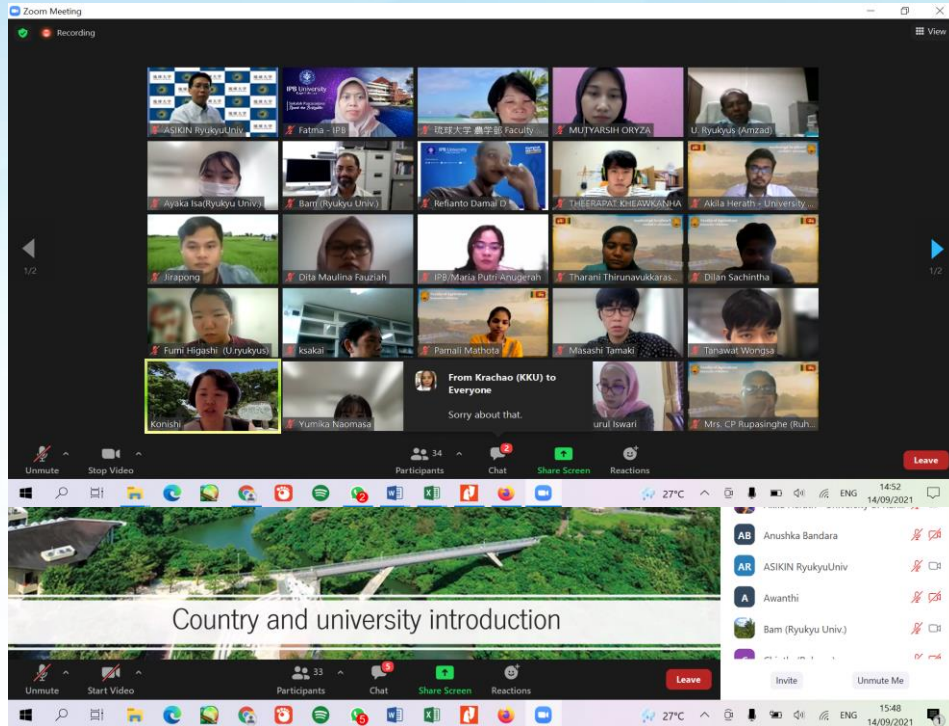
Target outcome :

Education for sustainable development and global citizenship (4.7)

Developing multi-stakeholder partnerships to share knowledge, expertise, technology, and financial support (17)

- The program is expected to produce leaders and create a network to support development in Asia. To this end, through collaborative education with the PARE consortium, quality assurance for multidisciplinary education, creation of an educational collaboration model that coordinates between educational fieldwork and lab work, and establishment of a PARE alumni network that assembles experts in dissimilar fields and research will be achieved.
- This program will establish a collaborative educational system involving HU's six partner institutions in Indonesia and Thailand for the purpose of developing personnel to become global leaders that will be active in resolving challenges related to populations, activities, resources and environments (PARE) in ASEAN countries, including Bogor Agricultural University (IPB University)
- PARE Summer School 2021 was held on 4 – 9 October 2021 in Hokkaido University with hybrid system, participated by IPB University students and other students from Japan and Thailand

# IPB - IAP Virtual Exchange Program 2021 Ryukyus University



- The activity is part of the International Agricultural Program (IAP) by Faculty of Agriculture, University of the Ryukyus in collaboration with IPB and other universities in South East Asia and South Asia Selatan such as Ibaraki University, Khon Kaen University (Thailand), Ruhuna University (Sri Lanka), and Sher-e-Bangla Agricultural University (Bangladesh).
- Virtual Exchange Program 2021 was held online on 13-24 September 2021 participated by four universities : IPB, Ryukyus University, Ruhuna University dan Khon Kaen University with total participants 20 students.

Target outcome :

Education for sustainable development and global citizenship (4.7)

Strengthen resilience and adaptive capacity to climate-related disasters (13.1)

Developing multi-stakeholder partnerships to share knowledge, expertise, technology, and financial support (17)

[URL - http://www.agr.u-ryukyu.ac.jp/eng/activities.html](http://www.agr.u-ryukyu.ac.jp/eng/activities.html)

# SUIJI Joint Program

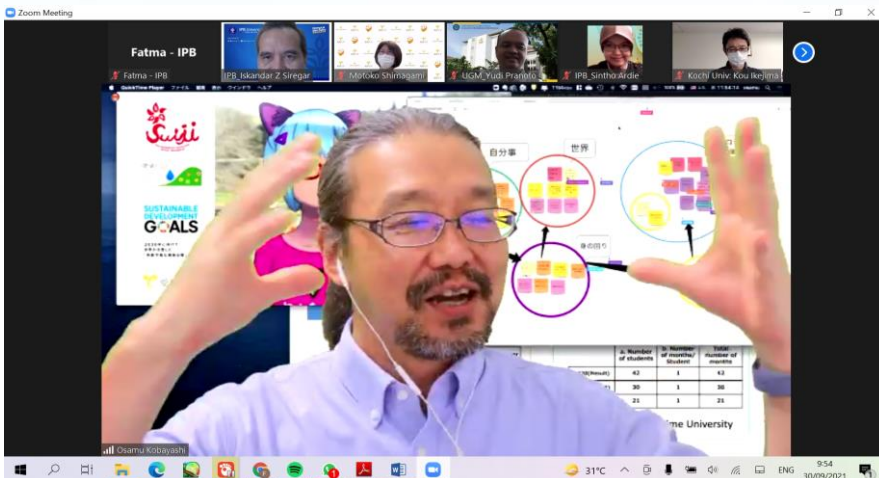
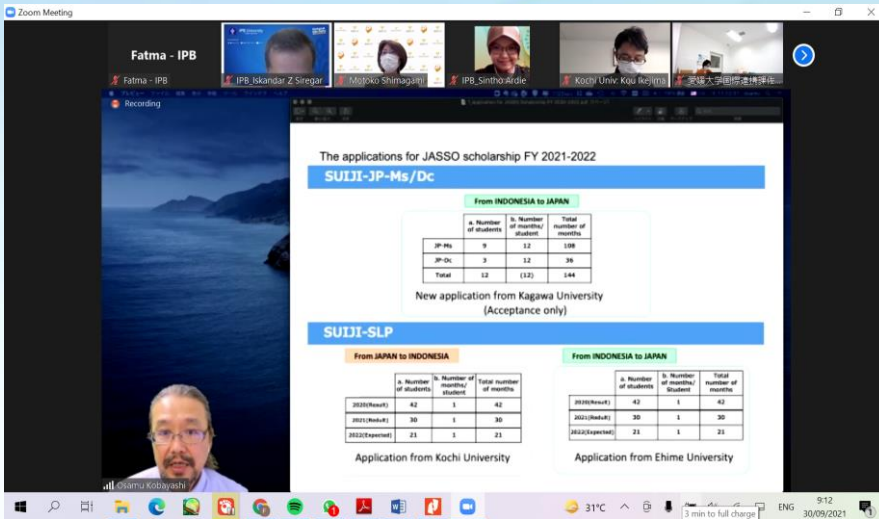


SUIJI (Six University Initiative Japan – Indonesia) merupakan konsorsium 6 perguruan tinggi, masing-masing tiga dari Indonesia; IPB, UGM, dan UNHAS serta tiga dari Jepang; Ehime University, Kochi University dan Kagawa University.

SUIJI menjalin kerjasama pendidikan dan penelitian pada 6 sektor penelitian yaitu; (1) Forestry, (2) Environment control, (3) Functional Foods, (4) Fisheries and marine sciences, (5) Hydrology and micrometeorology, dan (6) Soil sciences and nano technology.

Salah satu program SUIJI adalah SUIJI Joint Program for Master and PhD Students. Pada Tahun 2020 empat orang mahasiswa program magister IPB telah menyelesaikan SUIJI Joint Program di Kagawa University, Ehime University dan Kochi University dan pada tahun 2021 kegiatan ini belum dapat dilakukan karena terkendala pandemi.

URL -<https://pasca.ipb.ac.id/2019/04/15/suiji-joint-master-program/>





The Faculty Forum is an annual event that aims to provide an opportunity for faculty members from UC members to develop camaraderie, encourage transdisciplinary studies, and promote greater integration of research through strategic partnerships for collaboration. This activity is also a way to further strengthen the relationship between and among the UC members which would hopefully lead to collaborative research proposals

Participated by faculty members from UC members

The 3<sup>rd</sup> Faculty Forum was held online on 19-20 January 2022 with theme : “Agricultural Science for a Better World”

[URL - https://uc.searca.org/projects/faculty-forum](https://uc.searca.org/projects/faculty-forum)

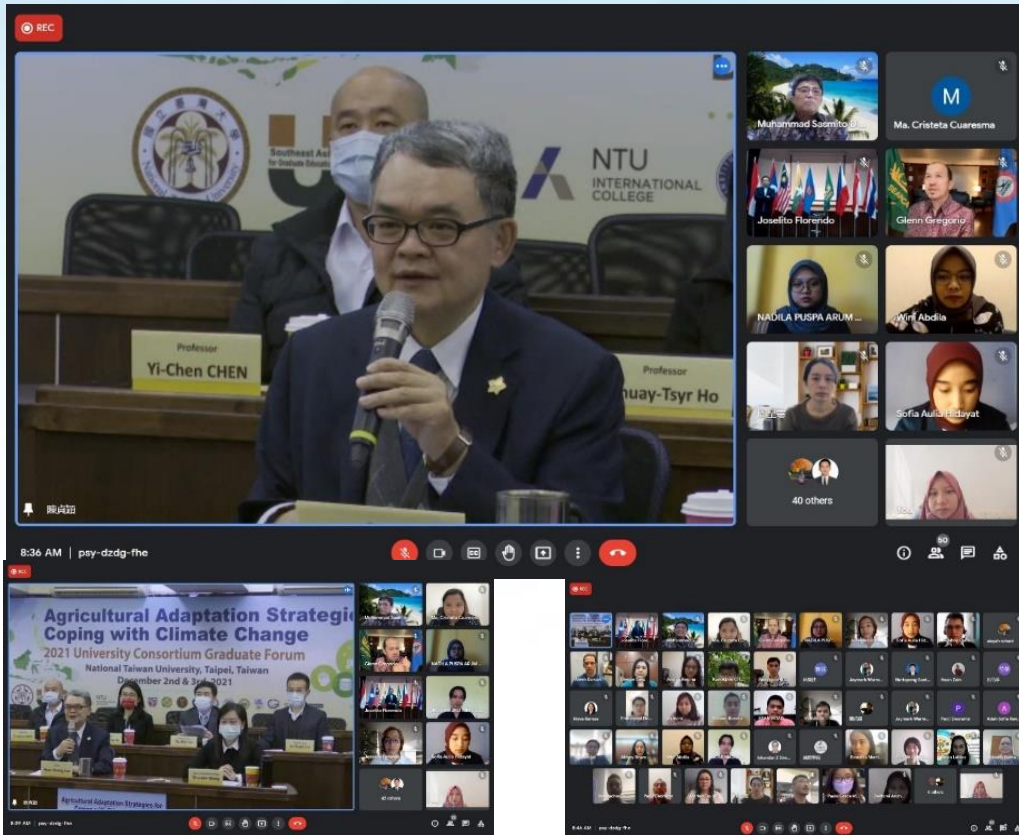
Target outcome :

Education for sustainable development and global citizenship (4.7)

Developing multi-stakeholder partnerships to share knowledge, expertise, technology, and financial support

(17)

# University Consortium Graduate Forum SEARCHA



The Graduate Forum is an annual event that aims to provide an opportunity for graduate students from UC members to share new knowledge, research ideas, and experiences in an open platform. It also encourages transdisciplinary studies and promote greater integration of research through strategic partnership among the UC members; and strengthen the relationship between and among the UC members.

Participated by graduate students from UC members

The 7<sup>th</sup> University Consorsium Graduate Forum – SEARCHA “Agricultural Adaptation Strategies for Coping with Climate Change” has been conducted online on December 2-3, 2021, Hosted by National Taiwan University, Taipei, Taiwan

[URL - https://uc.searcha.org/projects/graduate-forum](https://uc.searcha.org/projects/graduate-forum)

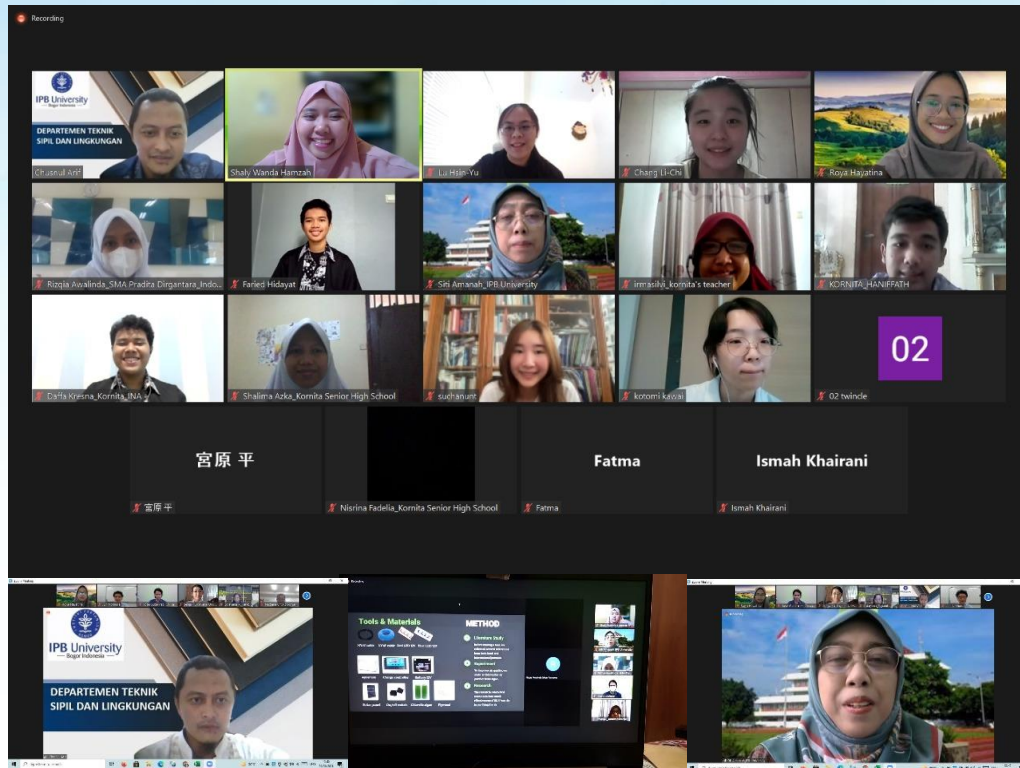
Target outcome :

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# TWINCLE PROGRAM

## Summer Institute for High School East and Southeastern Asia



The Asia & ASEAN center for Educational Research was established in February 2018 based on the achievements of the Twin College Envoy Program of student exchange “TWINCLE”. TWINCLE was started in 2012, and it was designed to create mutual understanding among students from East and Southeastern Asia through activities of science and education. More than 1000 undergraduate and graduate students have participated as exchange students, and more than 25,000 high school students have joined the science classes over the course of one decade of TWINCLE activities. To date, 18 universities from eight countries have joined the programs of the center.

During the COVID-19 pandemic, part of the TWINCLE activities this year have moved online. Taking this as an opportunity, the center has recently developed the Summer Institute Program for high school students in East and Southeastern Asia in collaboration with university students and faculty members

IPB university organized high school students, university students and faculty member to participate on the activities such as:

- Asian & ASEAN High School Students Research Presentation
- Asian & ASEAN High school Students SDGs Workshop
- Faculty Meeting

That was held on 8, 22 and 29 August, 2021

Target outcome :

Education for sustainable development and global citizenship (4.7)

Developing multi-stakeholder partnerships to share knowledge, expertise, technology, and financial support (17)

[URL - http://twincle.e.chiba-u.jp/eng/](http://twincle.e.chiba-u.jp/eng/)

[http://twincle.e.chiba-u.jp/jpn/AACER/data/2021\\_10\\_21.pdf](http://twincle.e.chiba-u.jp/jpn/AACER/data/2021_10_21.pdf)

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# SDGs in Research and Innovation

> ILMU PENGETAHUAN & TEKNOLOGI > KIT PENDETEKSI ANTIBODI BERBASIS ELISA

INOVASI IPTEK

## Kit Pendeteksi Antibodi Berbasis Elisa

Peneliti dari IPB University mengembangkan kit antibodi Covid-19 berbasis "enzyme-linked immunosorbent assay" atau Elisa. Alat ini dapat mengukur antibodi sesuai vaksinasi.

- Dosen menghasilkan inovasi Kit Pendeteksi Antibodi Berbasis ELISA
- Dosen menjadi narasumber berbagai webinar dan pelatihan
- Penelitian-penelitian yang berdampak pada konservasi dan kesehatan
  - Sesuai ketiga pilar keilmuan PRM (Biologi, Konservasi dan Biomedis), al.
  - Tingkah laku seksual dan pengayaan lingkungan
  - Peran genetik dalam mempengaruhi kejadian diabetes tipe 2



# SDGs in Campus Operation



- Green Campus  
Mengurangi penggunaan energi (AC pada suhu 26°C, tidak menggunakan air dalam gelas/botol plastik, mendaur ulang limbah kertas)
- Mahasiswa dan Alumni sosialisasi mengenai primata asli Indonesia melalui webinar/IG live
- Peduli Primatologi: membantu yang kena musibah, bantuan UKT, bekerja sama dengan HIMAPRIMA



### Webinar:

- Satwa Primata bukan sebagai hewan piaraan, 10 April 2021
- Orang utan World Day, 20 Agustus 2021

### Instagram live:

- Lestarkan Owa Jawa , 21 Oktober 2021
- Penyakit viral satwa primata, 10 September 2021
- Satwa Primata di Pulau Mentawai, 11 September 2021

URL : <https://primata.ipb.ac.id/>



# SDGs in Curriculum Development & Learning Program



- Perkuliahan Kurikulum 2020
  - Merdeka Belajar Kampus Merdeka
- Silaturahmi PS PRM dan HIMAPRIMA (17 September 2021) berikan masukan pengetahuan yang dibutuhkan lulusan, dan ditindaklanjuti untuk lokakararya akademik (revisit K2020)
- Evaluasi mata kuliah sem genap 2020/2021 dan sem ganjil 2021/2022
- Indikator kinerja PRM rerata tercapai sekitar 70%

# SDGs in Community Engagement



**AIFIS** **ASLIQEWAN** **IPB University** **PRISTIO STEWART PRIMATE**

**PRINCIPLE AND APPLICATION OF TECHNOLOGY IN OBSERVING WILDLIFE POPULATION**

Thursday, May 6th 2021  
08.45 - 10.45 AM (UTC+7)

**Wendy M. Erb, PhD**  
Center for Conservation Bioacoustics  
Cornell University Lab of Ornithology  
*"The Latest Bioacoustic Technology to Observe Wildlife"*

**Prof. Dr. Ir. Lilik Budi Prasetyo, M.Sc**  
Environmental Analysis & Geo-Spatial Modelling  
Faculty of Forestry and Environment, IPB University  
*"Application of Technology to Observe Primate Population in Indonesia"*

Moderator  
**Prof. Dr. Ir. RR Dyah Periwatari Farajallah, M.Sc**  
Primate Research Center  
IPB University

Facilities:  
• Insight about the latest technology to observe wildlife  
• Certificate of Attendance (with Continuing Education Credits from IVMA - for veterinarians)

**Register Now!**  
[ipb.link/wildlife-observation-technology](https://ipb.link/wildlife-observation-technology)

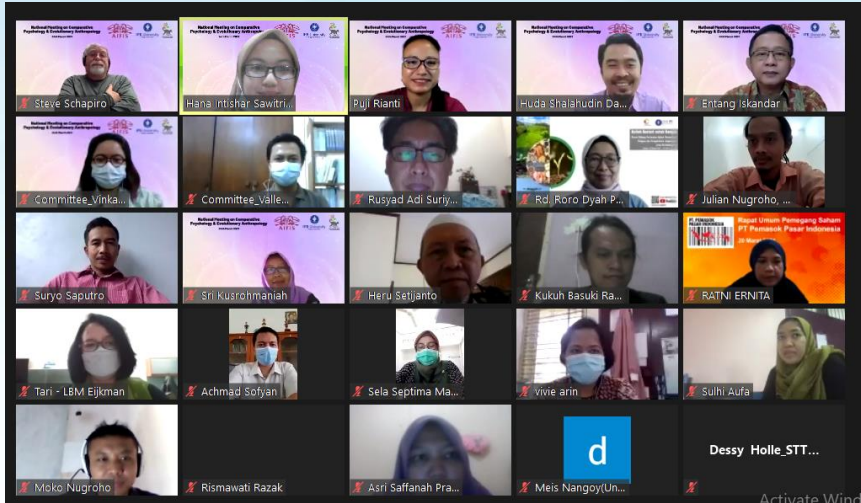
Registration is open until May 5th 2021 at 09.00 AM (UTC+7)

Information Center: [pssp.lppm.ipb@gmail.com](mailto:pssp.lppm.ipb@gmail.com)

Scan to Register

- Webinar : Principle and Application of Technology in Observing Wildlife Population, 6 Mei 2021 pukul 08.45-10.45 WIB.
  - mengumpulkan informasi dan memperkenalkan metode dan teknologi terbaru dalam mengamati populasi satwa liar yang lebih tepat dan aplikatif, serta tantangan masa depan.
- Narasumber:
  - Wendy M. Erb, Ph.D (Center for Conservation Bioacoustics Cornell University Lab of Ornithology, Materi : “The Latest Bioacoustic Technology to Observe Wildlife”),
  - Prof. Dr. Ir. Lilik Budi Prasetyo, M.Sc. (Environmental Analysis & Geo-Spatial Modelling Faculty of Forestry and Environment, IPB University. Materi Application of Technology to Observe Primate Population in Indonesia).

# Partnership



- Kerjasama dengan ADHPLI (Asosiasi Dokter Hewan Praktisi Hewan laboratorium Indonesia) dan Pusat Studi Satwa Primata (PSSP), LPPM IPB, adakan webinar: Breeding Management of Non Human Primates in Supporting Biomedical Research (9 Februari 2021)
- National Meeting on Comparative Psychology and Evolutionary Anthropology (24 Maret 2021): narasumber:
  - Steven J. Schapiro, Ph.D (Michael E. Keeling Center for Comparative Medicine and Research, University of Texas).
  - Dra. Sri Kusrohmaniah, MSi, Ph.D (Fakultas Psikologi, Universitas Gajah Mada).

URL: <https://primata.ipb.ac.id/webinar-comparative-psychology-and-evolutionary-anthropology/>

16 Oktober, 20 November dan  
11 Desember 2021



IPB University  
Bogor Indonesia

*Kuliah Umum*  
PROGRAM PROFESI INSINYUR  
Semester Ganjil 2021/2022  
Sabtu, 11 Desember 2021 (09.00 - 12.00 WIB)

**"Best Practice Praktik Keinsinyuran Bidang Industri Pertanian"**  
Ir. Kuncoro Catur Nugroho  
Direktur PT. Kelola Mina Laut

**"Profesionalisme Keinsinyuran"**  
Ir. Tjipto Kusumo, IPM, APEC, Eng., ASEAN Eng  
Dewan Penasehat Badan Kejuruan Teknik Fisika PII

Live on  Zoom  YouTube  
Registrasi: [ipb.link/pendaftaran-kuliah-umum-ppi-111221](http://ipb.link/pendaftaran-kuliah-umum-ppi-111221)  
Pendaftaran sampai 10 Desember 2021 pukul 15.00 WIB

0251 8628448 <http://pasca.ipb.ac.id> [pmbpasca@apps.ipb.ac.id](mailto:pmbpasca@apps.ipb.ac.id) [spsipb](https://twitter.com/spsipb) [pascaipb](https://www.instagram.com/pascaipb)

Tujuan Kuliah Umum ini adalah untuk memberikan bekal kepada mahasiswa PS PPI dan peserta mengenai best practice profesi keinsinyuran pada berbagai bidang keinsinyuran tersebut di atas serta menyegarkan kembali pemahaman tentang penerapan standar profesionalisme keinsinyuran dalam melaksanakan perencanaan, perancangan dan evaluasi untuk memberikan nilai tambah.

## Pembicara

**Sesi 1:** “Best Practice Praktik Keinsinyuran Bidang Industri Pertanian ” oleh Ir. Kuncoro Catur Nugroho

**Sesi 2:** “Profesionalisme Keinsinyuran” oleh Ir. Tjipto Kusumo, IPM, APEC, Eng., ASEAN, Eng.

URL - <https://ppi.ipb.ac.id/kuliah-umum-program-profesi-insinyur-semester-ganjil-2021-2022-iii/>

# Webinar Ekosistem Logistik Agro-Maritim & Logistik Industri Halal



Webinar dilaksanakan dengan tujuan mempromosikan PS LOG kepada stakeholders/praktisi mencakup visi-misi, kompetensi, dan program agrologistik yang dikelola oleh Program Studi Logistik Agro-Maritim, serta menjalin komunikasi PS LOG dengan pemerintah, akademisi, industri, pengusaha dan praktisi logistik agro-maritim dengan melakukan webinar-webinar yang rutin dilakukan setiap tahunnya.

Webinar dilaksanakan pada tanggal 3 dan 8 Juli 2021 (2 hari) melalui zoom meeting online dengan jumlah peserta mencapai 322 orang.



# Webinar CSS Policy Analysis



Webinar CSS bertujuan untuk mengumpulkan data dan mendapat masukan dari para stakeholders terkait tantangan dan peluang penerapan CSS di seluruh Indonesia ke depan, dan serta mengembangkan pemahaman dasar tentang tata kelola akuakultur dan mangrove di Indonesia termasuk perspektif historis, status saat ini, dan tujuan masa depan untuk industri pertambakan udang yang berkelanjutan.



Webinar CSS Policy Analysis telah dilaksanakan pada tanggal 12 Oktober 2021 menggunakan *zoom meeting online* dengan jumlah peserta mencapai 140 orang



# Program Studi: Penyelenggaraan Program Logistik Industri Halal



Program logistik industri halal merupakan upaya PS. Logistik Agro-Maritim untuk mengakomodir kebutuhan stakeholders logistik dalam memberi pelayanan rantai pasok untuk produk halal atau kebutuhan konsumen yang membutuhkan layanan logistik sesuai syariah

Program Logistik Industri Halal ini dibuka pada bulan Agustus 2021, yang secara struktur berada di bawah peminatan Logistik Agro-Industri

**LOG651 Sistem Jaminan Mutu Halal**

**LOG652 Halal Industry and Advanced Technique Analysis**

**LOG653 Fiqih Pengelolaan Produk dan Jasa Halal**

**LOG654 Pengolahan Pangan dan Bahan Pangan Halal**



# Kuliah Umum dan Studium General PS PSL







**Guest Lecture**  
Course:  
Physical Resources for Regional Planning (PWL 501)  
Natural Resources and Environmental Management in the Development (PSL 676)  
"Water Scarcity Adaptation Strategies  
for a Sustainable Development in Tunisia"

Dr Mohamed Kefi  
Assistant Professor, Water Resource Management  
Water Resources and Technologies Center (CERT) TUNISIA

Prof. Dr. Ir. Widiatmaka, DAA  
Host

Friday, November 19<sup>th</sup> 2021  
Time 20.15 – 21.55 Western Indonesian Time (Eq. with 02:15 PM Tunis Time)  
Online on  zoom

**Guest Lecture Series** **Agri-Solar Co-location:  
Concept and Implementation**

**Speaker:**  
**Dr. Sujith Ravi**  
Associate Professor  
Director of Environmental  
Science Program  
Temple University, USA

This guest lecture is only for doctoral students,  
PSL IPB taking PSL 651 course

March, 27<sup>th</sup> 2021/  
08:00-09:00 am Jakarta Time  
zoom  
March, 26<sup>th</sup> 2021  
09:00-10:00 pm Philadelphia Time

**PSL-IPB**  
Inclusivity, Resiliency & Sustainability

Natural Resources and  
Environmental Management

Kegiatan merupakan bagian dari MK serta menambah wawasan mahasiswa PS-PSL IPB dengan mengundang para pakar DN dan LN yang umumnya merupakan mitra dari dosen

Memberikan tambahan wawasan dan bertukar pikiran serta pendapat terkait topik yang dibahas; serta menambah jejaring kerja sama

URL - <http://psl.ipb.ac.id/2021/03/27/kuliah-tamu-mata-kuliah-psl651-agri-solar-co-location-concept-implementation/>

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# Peringatan Hari bumi



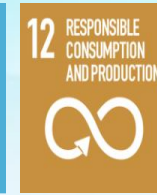
- Bertepatan dengan peringatan Hari Bumi pada tanggal 22 April 2021, Prodi PSL melakukan kegiatan dwi tunggal yaitu penanaman pohon "Butea monosperma" di pagi hari dan webinar dengan tema "Bencana Alam dan Resiliensi Komunitas" pada siang harinya.
- Pada kegiatan tersebut selain dihadiri oleh pengelola Prodi PSL, juga dihadiri oleh Ketua DPRD Kota Bogor, rekan-rekan dari Konsil Kota Pusaka Bogor, mahasiswa PSL (ecologica), perwakilan IPB (Dr. Erizal), dan rekan-rekan media.

# The 2nd International Seminar on Natural Resources and Environmental Management (ISeNREM)



- Pelaksanaan tanggal 4-5 Agustus 2021
- Kegiatan 2 tahunan PS-PSL IPB untuk mendukung kegiatan publikasi mahasiswa dan staf IPB
- Kegiatan ini bermanfaat dalam meningkatkan publikasi internasional terindeks scopus bagi mahasiswa PS-PSL; adanya "sharing" informasi, pengetahuan dan teknologi di bidang sumberdaya alam dan lingkungan

## Kontribusi Dosen PS-PSL IPB pada kegiatan Kalpataru 2021



- Penghargaan Kalpataru telah melalui perjalanan panjang 41 tahun sejak tahun 1981. Pada tahun 2021 dosen PS-PSL memberikan kontribusi penting dalam kegiatan Kalpataru. Prof. Hadi S. Alikodra dosen PS-PSL IPB merupakan Ketua Dewan Pertimbangan Penghargaan Kalpataru. Selain itu, Dr. Ir. Soeryo Adiwibowo, MS. , dosen yang juga Ketua Himpunan Alumni PS PSL, menjadi anggota Tim Dewan Pertimbangan Penghargaan Kalpataru.
- Pelaksanaan bulan Oktober 2021

# Kuliah Umum di STIPER Bajawa, Flores, NTT



- Sekretaris Prodi S3 PSL IPB (Prof. Dr. Lina Karlinasari) dan mahasiswa S3 an. Desy Ekawati (penerima Hibah Disertasi Doktor 2020) melaksanakan kuliah umum di Sekolah Tinggi Ilmu Pertanian (STIPER) Bajawa, Flores bertajuk “Pengelolaan Bambu”. Kegiatan dilakukan di STIPER dengan Ketua STIPER Dr. Nico adalah alumni Prodi S3 PSL IPB tanggal 24 November 2021.
- Selain itu kegiatan dilakukan dengan keterlibatan pelatihan pengelolaan bambu bagi masyarakat adat di Ngada, Bajawa



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