



Supplementary

Sustainability Report 2021

SDG 9:

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

INDUSTRY, INNOVATION AND INFRASTRUCTURE













Learning Program

Guest Lecture on Natural Dyeing Techniques for Eco-Friendly Silk Fabrics

The Department of Animal Production Science and Technology, Faculty of Animal Science, IPB University held a guest lecture on the Silkworm Fiber Processing Technology Innovation course on Thursday 6 May 2021. On this occasion the IPTP Department presented an expert in the field of environmentally friendly fashion, namely Ahmad Ilvan Dwiputra.

The theme raised is the natural coloring of silk fabrics through Ecoprint. This guest lecture was held to increase students' interest and insight about processing livestock products, especially silkworm derivative products. This is the first time inviting the Co-founder of Semilir Ecoprint directly.





IPB University Vocational School Launches 22 Websites for MSMEs in Bogor City

IPB University Vocational School Informatics Management Study Program launched 22 websites for 74 Micro, Small and Medium Enterprises (MSMEs) Bogor City, (18/7).

The virtual launch was attended by the Head of the Bogor City Cooperatives and SMEs Office, Samson Purba, the Bogor City SMEs Division Head, R Medi Sandora, the Dean of the IPB University Vocational School, Dr Arief Daryanto, Head of the Informatics Management Study Program, Sofiyanti Indriasari, Secretary of the Informatics Management Study Program Medhanita Dewi Renanti, Aditya Wicaksono, S.Kom, M.Kom, assistant lecturers, SMEs in Bogor City and hundreds of students from the Informatics Management study program as website developers for SMEs in Bogor City.

On this occasion, Sofiyanti Indriasari expressed her appreciation to students who have succeeded in developing websites for SMEs in Bogor City. This success can be used as a student portfolio.

INDUSTRY, INNOVATION

projects to be implemented by the community," she added. In his remarks, Dr Arief Daryanto said that currently, people are more active in online shopping. Therefore, it needs to be supported by digital media that can market its products or services widely.





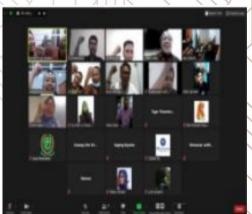




Development of Sustainable Regional "Padi Estate Community" Towards Intelligent Agrosystem 4.0

This activity is applied research, using research results (Action Research) of rice farming institutions. Activities focused on socializing the empowerment of rice farming communities through institutional strengthening with the concept of "Padi Estate Community" in three locations agreed upon by the community and local government. Researchers also build partnerships with universities in each research location for maximum results, including Agricultural Development Polytechnic College (Polbangtan) Malang, Malang Regency, East Java Province, Perwira Purbalingga University Purbalingga Regency, Central Java Province and South Sumatra University, Musi Banyuasin Regency, Province South Sumatra. The activity started with (1) observation base study on the potential of rice farmer groups and survey methods on 16 respondents in Malang, 28 respondents in Puralingga, and 29 respondents in Musi Banyuasin. Taking respondents as a sample using purposive sampling; (2) Introducing the "Padi Estate Community" institutional innovation in rice farming business until the "Padi Estate" Community" institution is formed, which is characterized by declaration activities; (3) Training, counseling, and mentoring; and (4) carrying out monitoring and evaluation.

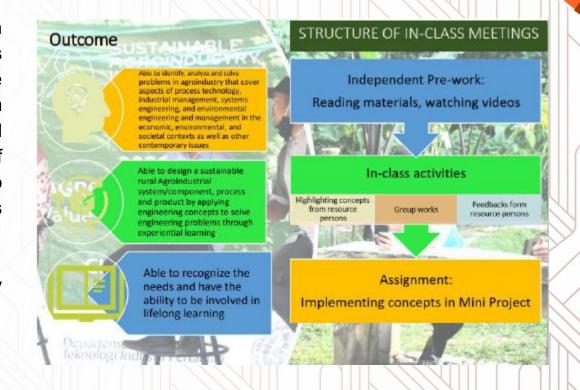






Sustainable Agroindustry in Rural Areas: Adding Values to Local Commodities in CHOCOTEA

This program is design to provide students with knowledge and abilities to design components or systems of sustainable rural agroindustry that built upon the integration between process engineering, industrial system engineering and environmental engineering and management. Students learn about development of agroindustrial products and processes that add values to local commodities, systems and management that supports rural agroindustries, and development of Agroindustrial cleaner agroindustry. Students will also be provided with design thinking with an application to agroindustry development.



Training On Sni And Test Procedures For Sprayer Industry

Sprayer tools and machines are important tools to support food and agricultural production, especially in controlling plant pests and diseases. The need for machine tools sprayer is increasing so that it triggers the development of machine tools sprayer industry. In order to guarantee the production of sprayers by sprayer manufacturers in accordance with SNI 8485: 2018, knowledge of National Standard of SNI 8485: 2018 about electric sprayer and sprayer testing methods is required. Related to this, training activity was carried out and a number of participants from sprayer manufacturers have participated in training activities. As a results, the participants got a) knowledge of SNI and the importance of SNI for industry, consumers and the government and b) skills in the minimum technical requirements (Quality Requirements) for an electric sprayer and test procedures (test methods) for the sprayer.













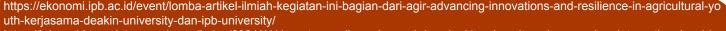


Student Activities

Scientific Writing Competition: Innovation and the Role of the Young Generation in Agriculture

The scientific article writing competition with the theme Advancing Innovation and the Role of the Young Generation in Agriculture is part of the collaborative program "AgIR – Advancing Innovations and Resilience in Agricultural Youth". This program is a collaboration between Deakin University and the Department of Economics-Bogor Agricultural University (IPB) and is supported by the Australian Government-the Australia-Indonesia Institute of the Department of Foreign Affairs and Trade (DFAT). There were 3 winners (1st, 2nd and 3rd place) from the article writing competition in sequence, including Radja Ahmad Nur Fikri (IPB University), Ni Made Wesi Sinta Wrdhi Warmini (Faculty of Agricultural Technology, Gadjah Mada University), and Wahid Muhammad Shodiq (University of Muhammadiyah Malang).





https://ipb-ac-id.translate.goog/news/index/2021/11/departemen-ilmu-ekonomi-dan-deakinuniversity-selenggarakan-international-webina r-youth-e-commerce-and-creativeeconomy-in-argiculture/bea8d54b638c6d8d662f99b5219a59c3?_x_tr_sl=id&_x_tr_tl=en&_x_tr_hl=en & x_tr_pto=wapp







Photography Competition: Innovation and the Role of the Young Generation in Agriculture

This competition is part of the collaborative program "AgIR – Advancing Innovations and Resilience in Agricultural Youth". This program is a collaboration between Deakin University and the Department of Economics-Bogor Agricultural University (IPB) and Australian supported the Government-the Australia-Indonesia Institute of the Department of Foreign Affairs and Trade (DFAT). The results of photography from the 121 participants (Theme: Promoting Innovation and the Role of the Young Generation in Agriculture) were assessed by 3 judges who are competent in their fields, in the first stage the 10 best photos were selected with the criteria that the photos and captions were in accordance with the theme, taking or photo technique (photo angle).









Third Congress and National Seminar: "The Extension Strategic Role in Human Development through the Penta **Helix Approach in the Digital Age**

This activity is the result of PAPPI's PAPPI dengan Fakultas Ekologi Manusia dan collaboration with the Faculty of Human Peminatan Ilmu Penyuluhan Pembangunan Program Studi Komunikasi Pembangunan (KMP) Sekolah Pascasarjana Ecology and the Specialization iIPB, dan didukung oleh CARE LPPM IPB, IPB Today, Kementerian Pertanian RI dan Pemerintah Kota Bogor. Dalam kegiatan tersebut disampaikan bahwa pentingnya komitmen pemimpin dari level pusat sampai di tingkat lokal dengan dukungan dunia usaha, media, akademisi dan masyarakat dalam penyediaan layanan penyuluhan sesuai Development Communication Studies Program of the Postgraduate School of IPB, and is supported by CARE LPPM IPB, IPB Today, the Indonesian Ministry of Agriculture and the Bogor City Government. In this activity, it was conveyed that the importance of the commitment of leaders from the central level to the local level with the support of the business world, media, academics and the community in providing kebutuhan. Hal tersebut dapat secara efektif counseling services as needed. This can akan mengurangi kemiskinan dan kelaparan sebagai bagian dari pencapaian tujuan SDGs. effectively reduce poverty and hunger as part of achieving the SDGs goals.





2nd International Conference on Innovation in Technology and Management for Sustainable Agroindustry (ITaMSA) 2021

The 2nd International Conference on Innovation in Technology and Management for Sustainable Agroindustry (2nd ITaMSA 2021) is a platform for academics, business actors, policy makers, and other practitioners who are engaged and have a vision to develop sustainable agroindustry. The 2nd ITaMSA 2021 is organized by the Department of Agricultural Industrial Technology, Fateta IPB in collaboration with the Indonesian Agroindustrial Association (AGRIN).

This activity was attended by 341 participants and speakers from various countries including Australia, the United States, France and Japan, both from academia, government and business and communities. This activity was opened by the Rector of IPB, Dr. Arif Satria, SP., MS and as Minister of Tourism and Creative Economy of the Republic of Indonesia Dr. H. Sandiaga Salahuddin Uno, B.B.A., M.B.A.. As keynote speaker.

At the 2nd ITaMSA 2021, there were 60 papers presented and ready to be published at the IOP Conference Series Earth and Environmental Science (international proceedings indexed by SCOPUS). The presented paper is divided into 7 (seven) parallel sessions including innovative sustainable agro-industry products, green technology, including (bio)process technology and packaging and storage as well as innovative and sustainable agro-industrial business models.



IPB University Vocational School Presents Three Young Entrepreneurs for Agricultural Startups

The Vocational School (SV) IPB University presents three young entrepreneurs in the field of agricultural startups in the International Webinar SV-IPB Youth and Innovation for Sustainable Agriculture, (13/7). They are Rully Setya Purnama, a startup company PT Minapoli, Pandudamai Insani Taufiq, from PT Biomagg and Ade Mulya, from the TaniHub Group.

Dr. Daisy DSJ Tambajong as Chair of the Vocational School Senate of IPB University opened the event and gave an overview of agricultural problems in Indonesia, especially farmer regeneration and technological readiness.

On this occasion, Pandudamai brought bioconversion material from organic waste. According to him, currently, there is a phenomenon of a food gap between food needs and agricultural production. Another problem is an increase in population which has an impact on increasing the amount of waste produced. One of the solutions offered from the problem of organic waste is to convert the biomass using Black Soldier Fly (BSF) larvae.

"In the 4.0 era, it is very important to have a relationship between information and communication that currently uses various media, especially social media. This information technology should be a gate and a bridge for sustainable agricultural development in the agriculture, fisheries, and animal husbandry sectors," she said.





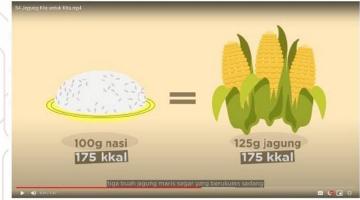
Motion Graphic by IPB University Vocational School Students Successfully Trending on Twitter

Students of the Informatics Management Study Program, Vocational School (SV) IPB University have successfully completed a collaborative project with the Food Security Agency (BKP), Ministry of Agriculture (Kementan). This time they made motion graphics related to food security. The work of SV IPB University students was disseminated simultaneously and managed to rank No. 5 on Twitter as a national trend (15/6).

"The motion graphic they made is entitled Portion of Corn, Potato or Sago Flour to Replace 1 Portion of Rice, Food Safety for Healthy Living, Taro, Source of Complex Carbohydrates Rich in Antioxidants. The themes and content were provided by a team from the BKP," said Amata Fami, MDs, a lecturer at SV IPB University who is in charge of this activity.

According to him, this activity is a continued collaboration between SV IPB University and BKP which has been running since 2020. The output is multimedia products. "This activity is also an embodiment of Project Based Learning. That is an innovative learning model that involves project work where students as students work independently in constructing their learning and culminating it in real products," he explained.

In its implementation, Amata said that the process was quite difficult for students. This is because apart from having to deal with real-clients, this activity is also carried out completely online.





Vocational School Students Join Network Engineer Boot Camp



Students from the Computer Engineering Study Program at the Vocational School of IPB University joined the Network Engineer Boot Camp, (14/11). Students who participate in this boot camp are students who are active and excel in participating in network-related lectures. "Participants of this boot camp will be provided with server installation and network configuration skills. After participating in this activity, it is hoped that their skills in the field of networking will increase. So that in the future they can take part in competitions in the field of networking at the national and international level," said the Head of Activities, Aep Setiawan.













Research, Innovation, and Bussiness

Develop Katulac Fvm Ipb University Researcher Collaborate With Dudi To Increase National Livestock Productivity

This activity was an implementation of the Kedaireka matching fund program, which is a collaboration between IPB and DUDI (Dunia Usaha Dunia Industri/Business and Industrial World). Prof. drh. Agik Suprayogi, as the chief executive of Kedaireka, collaborated with PT Great Giant Livestock (PT GGL) as DUDI. The innovation of Prof. Agik, called "depolarized katuk", has been proved to boost livestock productivity. For the first time, the depolarized katuk was tested on an industrial scale in collaboration with PT GGL located in Lampung. Lecturers from the Faculty of Veterinary Medicine, Faculty of Animal Husbandry, IPB University students, and professionals from PT GGL were involved in this activity. Various benefits were gained from this collaboration, for example, students could use the research results for their final project. Moreover, the community benefits from feeding their cow with depolarized katuk. The scope of this activity will be increased in the following year by involving the local government, the People's Animal Husbandry School (Sekolah Peternakan Rakyat), and students in implementing the Kedaireka matching fund activity as autonomous learning on an independent campus (MBKM- Merdeka belajar kampus merdeka).

Furthermore, this collaboration increased the production of PT GGL and gave students opportunities to do an internship at PT GGL to gain work experience and networking links. Students benefit from direct interaction with smallholder farmers, on the other side farms of PT GGL benefit from the downstreaming of the depolarizing katuk invention in the form of full cattle feed.



















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Micro Business Supply Chain Business Model Development: Clusters/Duck Livestock Commodities

The Ministry of Cooperatives and SMEs of the Republic of Indonesia collaborated with one of the lecturers of the Department of Economics, IPB, namely Dr. Yeti Lis Purnamadewi. In general, the purpose of this activity is to build a micro business supply chain business model for the case of duck livestock clusters. The preparation of the micro business supply chain business model for the duck livestock cluster case was carried out through literature studies and case studies of livestock groups that are members of the "Marto Mandiri Sejahtera Cooperative". The results of this activity were then written down by Dr. Yeti Lis Purnamadewi is a report published in November 2021 and can be read and accessed by all people, especially duck breeders.



PENGEMBANGAN MODEL BISNIS RANTAI PASOK USAHA MIKRO KASUS: KLASTER/KOMODITAS TERNAK BEBEK



ASDEP PENGEMBANGAN RANTAI PASOK USAHA MIKRO KEMENTERIAN KOPERASI DAN UKM REPUBLIK INDONESIA NOVEMBER 2021









Digitizing Community Palm Oil

The research was carried out by a research team at the Department of Resource and Environmental Economics (ESL Department) chaired by Dr. A Faroby Falatehan, SP, ME with funding from the Ministry of Education, Culture, Research and Technology, examines the role of digitalization of palm oil as an opportunity for oil palm farmers in the industrial era 4.0 in increasing their income. In this case, the role of digitalization managers as the backbone in the implementation of digitalization of palm oil is the focus of this study. The purpose of this research in collaboration with KUD Tunas Muda, Siak Regency, Riau Province is to describe the palm oil digitization system in cooperatives; identify the pillars of digital palm oil institutions; and understand the readiness of cooperative members in implementing the digitalization of palmooil. The results of the study indicate the need for socialization of digital platforms, procurement of infrastructure and digital platforms, utilization of digital platforms, and development of palm oil digitization programs.





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Drone Participatory Mapping In Building Precision Village Data

The Industrial Era 4.0 is a digital era where people are facilitated by digital technology to help community goals and improve development. One of the efforts that can be made so that development can be carried out on target is to ensure that the database used to formulate development programs is valid and precise. What has happened so far is that the central government's basic data is out of sync with empirical facts in the regions, especially at the village level. Therefore, precision data-based social mapping is a crucial thing to do.

This activity is carried out through the Drone Participatory Mapping (DPM) method, which combines a spatial approach and a family-based census. The merging of these two approaches is carried out by utilizing Drone Imagery, Utilizing Application-based Technology, and Artificial Intelligence Analysis which can produce an overview of community and village development in a short time after data collection is carried out. All of these activities were carried out in a participatory manner with village youth, the community, and the village government. The village government will have access to existing population data as a basis for development in the village. There are 7 villages that are the location of the implementation these activities, including, i.e:

- 1. Mandalawangi village, Cipangeran village, Cijambu village in West Bandung Regency;
- Setabu village in Nunukan Regency
- 3. Sampuran village and Papande village in North Tapanuli Regency
- 4. Anaiwoi village in Kendari City

The products issuedare Neighborhood Communities-based spatial maps and population databases based on five aspects of community welfare, namely: 1) Food, Clothing, and Housing; 2) Education and Culture; 3) Health, Decent Work, and Social Security; 4) Social Life, Protection of Law and Human Rights; and 5) Infrastructure and Environment. In addition, SDG's achievement indicators are also produced which can identify up to the level of the Neighborhood Communities. This activity is in collaboration with several parties including the Bandung Regency Government, North Tapanuli Regency Government, Kendari City Government, and GIZ.ID.

SDG's indicators can be used to provide an overview of the progress of development achievements up to the level of the Neighborhood Association in the Village. With this data, it can be used as a reference in the implementation of the Hamlet and Village Level Deliberations. Precision Village data can be used as the basis for planning development programs based on factual data that is precise and accountable.

The problem with this program is that village data collection as the basis for village government policies has not yet become a juridical norm in policy makers at the regional and central levels. The challenge is that this program will and is being pursued to become the Juridical Norm at the Central Government level.







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The outputs of this activity are: 1) Thematic Maps; 2) Population Database based on Five Aspects of Community Welfare; 3) Village Monograph. The output being developed is data collection related to economic and agricultural assets of each individual in the village, digitally and spatially based.



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International Seminar series on International Society for Economics and Social Sciences of Animal Health Southeast Asia (ISESSAH).

PUSAT STUDI HEWAN TROPIKA Center For Tropical Animal Studies (CENTRAS) ikut andil berperan aktif dalam kegiatan The International Society for Economics and Social Sciences of Animal Health - South East Asia (ISESSAH-SEA). ISESSSAH-SEA is a general meeting to connect and update research projects among experts and scientists within the field of social science, animal health and production economics, epidemiologists, veterinarians, medical practitioners and government agencies in the South East Asia region. Pada kegiatan ini terdapat beberapa peniliti CENTRAS yang mengirimkan papernya dengan judul sebagai berikut:

- 1. the application calcium-silicate powder litter to improve poultry health management.
- 2. does calcium silicate powder as floor bedding to prevent mastitis change dairy farm management?
- USTRY 3.NOVA Partial budgeting of the application of Calcium-Silicate powder as floor bedding to prevent mastitis in small farms.
 - 4. Partial budgeting of the application of Calcium-Silicate powder as floor bedding to improve poultry health.



Dissemination of Portable FADs

Jakarta, 23rd August 2021

Traditional use of FADs or fishing aids for fishermen has drawbacks, such as expensive manufacturing materials, often being lost to currents, and causing waste that affects coastal ecosystems. This underlies researchers from the Faculty of Fisheries and Marine Sciences IPB University to develop portable FADs that are compact, easy to operate, economical, and environmentally friendly. Portable FAD innovation can be used on a national scale. This innovations that can be used for fishermen throughout Indonesia



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Halal Capsules of Fish Gelatin

18th October 2021 Auditorium FPIK

The capsules used for medicine containers are made of gelatin which comes from mammals, namely the skin and bones of cows or pigs, even though the majority of Indonesian people are Muslims As a maritime country, Indonesia's marine products are abundant Doctor Mala Nurimala and her team succeeded in creating gelatin made from fishery by products With the presence of red and white halal capsules, Doctor Mala Nurimala and the team succeeded in being part of the effort to reduce gelatin imports that occurred in Indonesia.

This Halal capsules are needed for medicines in Indonesia so that this activity contributes to good health.

The contribution of this research is to become a solution for the Indonesian Muslim community to obtain useful and safe medicines This halal gelatin is very much needed for medicines, supplements, nutraceutics and others.









Drinks from Sea Leeches: Antioxidant and Anti Cholesterol

14th October 2021

Innovation from Prof Nurjanah by mixing antioxidant and anti cholesterol extracts from sea leeches into temulawak and rosella drinks Everything can be studied at the Department of Aquatic Product Technology (THP) IPB University, from preparation, transportation, to end products for the advancement of Indonesia In addition to sea leeches, seaweed is also being developed as a cosmetic raw material with the principle of zero waste The product, he continued, was developed by students at the Seaweed House (RRL).

This activity supports two categories of SDGs Drinks with antioxidant and anti cholesterol fortification from sea leeches. This activity has resulted in the development of various seaweed products, including lotions, face creams, masks, pomades, and lip balms that have been patented and can be marketed Prof Nurjanah has also developed seaweed salt, whose residue can then be used as a scrub material to overcome the problem of using microplastics in cosmetics.













Dept. Aquatic Product Technology The Winner of the Most Kedai reka Matching Fund

2021

This activity is a collaboration and strategic synergy between Dikti Personnel (university institutions) and the Industry. Three researchers from THP who got this and the title of their research were Prof. Sri Purwaningsih, Dr. Wini Trilaksani, and Dr. Kustiariyah. The matching fund program contributed to the achievement of 8 main performance indicators for higher education. Through this activity, we donate Sr Grac Natural Rice from the Sea to Prevent Diabetes in the Millennial Era, Virgin Fish Oil Eye Tuna Rich in Omega 3, and "Seacera" Spirulina Cereal Bar (Jipang Spirulina)

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TREKFish: Fish Tracker

The high pressure on the blue crab population ranging from overfishing, fishery activities that are not environmentally friendly, blue crab fishing, small size, to the inequality of blue crab fishing areas is considered necessary to manage. Moving on from this, a team of lecturers consisting of Prof. Indra Jaya, Dr. Hawis Madduppa, and Muhammad Iqbal, S.Pi., M.Si. designed an innovation called TREKFish, a tool used to trace the trail of fishing (fish, blue crab, lobster, etc.). The tool is equipped with fishER™ (Fisheries Electronic Reporting) software to support the SIM (Seafood Import Monitoring) Program. TREKFish was designed with the concept of IoT by utilizing microcontroller and GPS technology so that this tool can be monitored in real-time anytime and anywhere.

This instrument has advantages are 1.) Obtaining information that can be monitored in real-time, and 2. Optimizing catch at lower cost. The TREKFish tracking device equipped with fishER™ software will provide some information related to tracking fishing operations (transit and operating time), distribution maps













JenQ, Household Appliance Cleaner from Jengkol Skin, IPB University Student Innovation

Who would have thought that jengkol skin with its distinctive aroma and generally not consumed by the public could be processed into household appliance cleaners. This innovation was discovered by IPB University Vocational School students who are members of the PKMK group (Student Creativity Program in Entrepreneurship) in 2021.

They are Rafi Kansa Aganindra (Computer Engineering student), Fajar Kurnia Laily (Seed Industrial Technology student) and Ilham Fadillah Al Kaustar (Environmental Engineering and Management student). They received guidance from Ridwan Siskandar SSi, MSi, a lecturer in the Computer Engineering Study Program at the Vocational School of IPB University.

Rafi said the amino acid content of cysteine and sulfur in jengkol plays a role in causing a pungent odor. While jengkol skin or what can be called Pithecellobium jiringa is included in the group of organic waste that is widely scattered in traditional markets.







Intelligence Spatial Decision Support Systems (ISDSS) for Food Crop Logistics and Supply Chain

Smart Agrologistics is an integrated logistics application based on potato agro-industry commodities that brings together farmers, farmer groups, collectors, wholesalers, industry and consumers with the Android operating system platform. This system using QR Codes, Smart Navigation and Route Guidance Systems.

This research has succeeded in improving the SMART Agrologistics feature as a smart spatial decision support system for the development of sustainable potato agroindustry logistics based on Agroindustry 4.0. In the early stages, this research has succeeded in updating spatial data, re-classifying continuous class intervals, improving software interfaces and upgrading sensors as well as testing prototypes in actors.

This year's research activity designed packaging prototypes, namely sorting and smart packaging, which is expected to be able to reduce losses so as to increase productivity which will ultimately increase farmers' income. This system has constraints and Challenges to Farmer's mindset that Android applications are difficult. Need to strengthen the role of agro-industry institutions

SUSTAINABLE AGROINDUSTRY IN RURAL AREAS "Adding Values to Local Commodities in CHOCOTEA"

Departemen Teknologi Industri Pertanian, Fakultas Teknologi Pertanian Tal

Date: 4 - 31 Juli 2021

SDGs Learning Program

Description

This program is design to provide students with knowledge and abilities to design components or systems of sustainable rural agroindustry that built upon the integration between process engineering, industrial system engineering and environmental engineering and management. Students learn about development of agroindustrial products and processes that add values to local commodities, systems and management that supports rural agroindustries, and development of Agroindustrial cleaner agroindustry. Students will also be provided with design thinking with an application to agroindustry development

Partners



















ability to be involved in



ipbofficial









Campus Operation

Development of Science Techno Park (LKST)

The preparation of your Addendum I document is one of the requirements in obtaining environmental approval for the multitenant building construction plan which is part of the development of the science and technology area of IPB at the Taman Kencana IPB Campus, Bogor City. The purpose of the construction of this multitenant building is the availability of a conducive environment for the ongoing development of tenants, namely an integrated mentoring activity to tenants (start-ups) in learning in the fields of agribusiness and agro-industry. Hopefully, this development can improve innovation performance, so that IPB University can contribute significantly in growing the nation's economy in a sustainable. This activity is carried out in the period October - December 2021.



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IPB University Vocational School First Harvest Closed House Chickens

IPB University Vocational School together with PT Charoen Pokphand Indonesia conducted the first closed house chicken harvest, at the Sukabumi IPB Campus, 10/4. "Today we harvest 10,000 chickens. The chickens are 32 days old with a weight of around 2 kilograms. Our target is to harvest seven times a year," said Hendri Wijaya, STP MSi, Deputy Manager of the Sukabumi IPB Campus. Closed house is one of the facilities owned by the Vocational School of IPB University, Sukabumi Campus. A modern enclosure with a closed system embedded in technology. This modern cage can accommodate up to 50,000 chickens. Dean of the Vocational School of IPB University, Dr. Arief Daryanto said, compared to an open house system, closed house technology can increase the efficiency and productivity of livestock. "Closed house is very efficient.

Meanwhile, Jemmy Wijaya, Director of PT Charoen Pokphand Indonesia, expressed his gratitude for being given the opportunity to be side by side with the world of education. He emphasized the importance of industry and educational institutions to work together to create a qualified workforce. "Hopefully what we have done together can continue like this modern cage is strong. This cage is expected to last more than 20 years. Hopefully along that time we can provide more benefits," he said.













Community Development

Integrated Farming System (IFS) Program

The Integrated Farming System (IFS) program or the integrated agriculture program in 2017-2019 is a community empowerment program initiative that focuses on developing livestock business, both breeding and fattening beef cattle and sheep for local farmers/breeders around the company's operations, especially for residents who carry out economic activities across the mining operation area of PT. Holcim Indonesia, Tbk. In general, the activities of the IFS program in 2017-2019 are the management and use of land areas located within the PT. Holcim. This land has been cultivated in an unorganized manner so that it seems less productive.













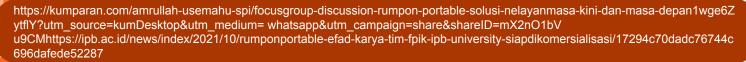


Focus Group Discussion Portable FADs at Ambon

Ambon, 2nd October 2021

IPB University and PT Arabikatama Khatulistiwa Fishing Industry (PT AKFI), within the framework of the Matching Fund Program from the Ministry of Education and Culture held a Hybrid Focus Group Discussion (FGD) in the BP3 (Fisheries Training and Extension Center) meeting room Ambon and online on Saturday, 02 October 2021 The implementation of this FGD is also in collaboration with Unpatti (Pattimura University), ISPIKANI (Indonesian Fisheries Undergraduate Association) and start-ups. The remarks at this FGD were the Vice Chancellor for Innovation and Business/Head of the Institute for Science and Technology Region of IPB (Prof. Dr. Erika B. Laconi) and the Dean of FPIK IPB Dr. Ir. Fredinan Yulianda, M.Sc. Keynote Speech is Member of Commission IV DPR Maluku Dapil Ir. H. Abudullah Tuasikal, M.Sc. The resource persons for this FGD were Dr. Haris (head of the Ambon Province Fisheries Service), Prof. Agustinus Tupamahu (Professor of Unpatti), the research team of Prof. Mulyono and PT AKFI. As the moderator is the lead researcher, namely Dr. Roza Yusfiandayani. This FGD was attended by the Dean and lecturers of FPIK Unpatti, head of BP3 Ambon, Head of BP3, capture fisheries entrepreneurs, Ispikani, Non-Governmental Organizations. Portable FAD innovations can be socialized to stakeholders who attend the FGD. The FGD in Ambon, which was conducted in a hybrid, offline and online manner, was attended by stakeholders including academics, industrial partners, the ministry of maritime affairs and fisheries, Ispikani Ambon, and fishermen. All stakeholders understand portable FADs as an innovation in the field of fisheries that can be used by fishermen.









IPB Innovation Village in Kiarasari Village

Bogor Agricultural University (IPB) signed an MoU of cooperation related to the IPB Innovation Village in Subang with the Subang Regency Government in Kiarasari Village, Compreng District, Friday 24 September 2021. The signing was carried out between the Deputy Regent of Subang Agus Masykur Rosyadi with the Dean of the Faculty of Agriculture IPB, and the leadership of CV Sari Bumi Nusantara witnessed by Expert Staff of Regent Asep Setia Permana, Head of Cooperation Division and other invited guests. In the event, the Head of Kiarasari Village, Compreng Samsudin, was proud of the choice of Kiarasari Village to be the innovation village of IPB.











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Pilot Project Garden Tower

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