



Supplementary

Sustainability

Report 2021

SDG 4:

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

4 QUALITY
EDUCATION





IPB University
Bogor Indonesia



SUSTAINABLE
DEVELOPMENT
GOALS

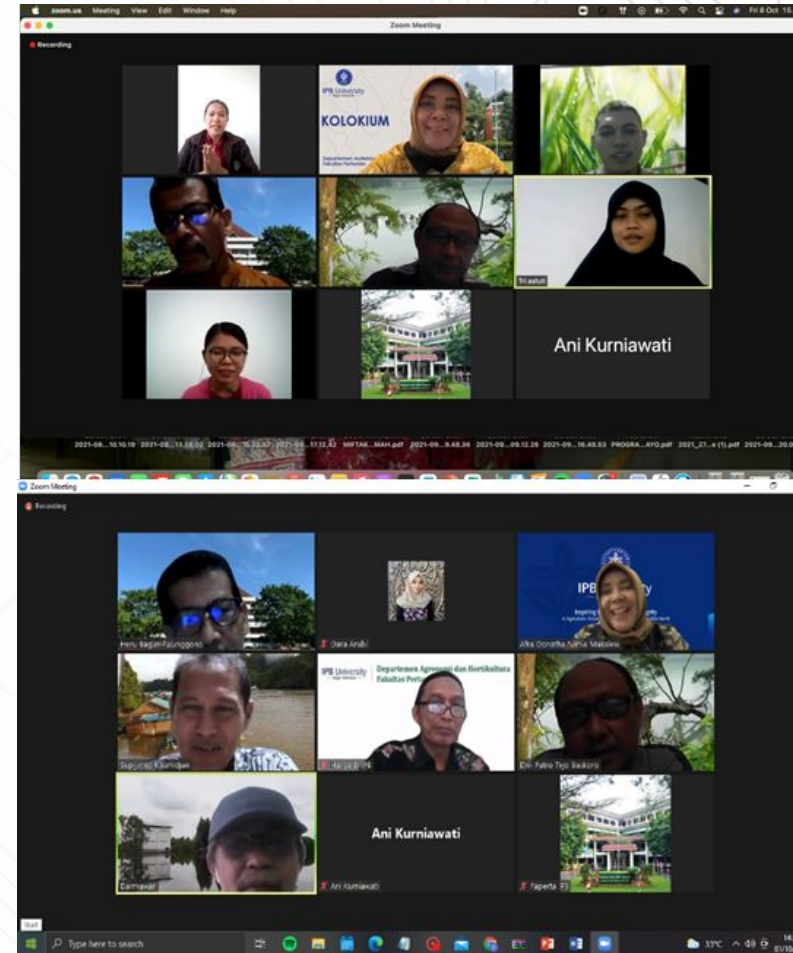


Learning Program

1

Academic Lecture Collaboration

The academic collaboration of Teaching Lecturers at the Faculty of Agriculture, IPB and the Faculty of Agriculture and Animal Husbandry at the Indonesian Catholic University of Santa Paulus Ruteng is a follow-up to the discussion on cooperation in the field of learning the Santu Paulus Ruteng Foundation. In this collaboration, Unika asked Faperta IPB lecturers to teach two courses, namely Cultivation of Refreshment Plants (Coffee, Cocoa, and Vanilla) and Basic Soil Science with three credits in each course. This collaboration aims to develop education and human resources (HR) in the agricultural study program.



2 Workshop of K-2020 Implementation

This workshop presented by the Directorate of Program Development and Educational Technology of IPB University. The workshop consist of several topics, including Problem Based Learning (PBL), Project Based Learning (PjBL), and Student Centered Learning (SCL). Through this workshop, it is hoped that lecturers can facilitate students to become learners who have a future ready mind set and skill set in accordance with the educational goals. This training held by all faculty and department in IPB University. Faculty of Husbandry (22/03), Faculty of Agricultural Technology (22/02), Faculty of Fisheries and Ocean (28-29/01), and Faculty of Economics and Management (7-14/08) held this workshop as an implementation of K-2020 curriculum.



1. <https://www.ipb.ac.id/news/index/2021/03/fakultas-peternakan-ipb-university-gelar-workshop-implementasi-problem-based-learning/e3631f36f844e0a899bbd36e574d0ff9>
2. <https://agribisnis.ipb.ac.id/?p=3148&lang=en>
3. <https://youtu.be/RJzr2f2h96o>
4. https://www.instagram.com/p/CKfjKhDDuv6/?utm_medium=copy_link



3 Improving Communication Skill and Personality Development

The Faculty of Animal Husbandry (Fapet) of IPB University held a communication and self-development training (05/09). This training, which must be attended by all new students of the 57th batch, presented Wawan Wicky Adrian, who is a news anchor and executive producer on the IDX Channel. Prof. Irma Isnafia Arief, as the Deputy Dean for Academic and Student Affairs of Fapet IPB University, expressed support for the holding of the training. He hopes that the training can help new students increase their confidence and ability to speak publicly.



4 Workshop on RPS Preparation for K2020 Courses

The Department of Animal Production Science and Technology, Faculty of Animal Husbandry, IPB University, held an activity, "Workshop on RPS Preparation for K2020 Subjects Based on Collaborative and Participatory Classes in Undergraduate Programs" held on 09-10 August 2021 using the Zoom application. This Webinar was opened by Dr. Ir Idat Galih Permana, MSc.Agr. as the Dean of the Faculty of Animal Science IPB University. He also hoped that the material presented could be helpful for Lecturers of the Department of Animal Production Science and Technology. This activity lasted for two days filled with the delivery of material on the first day by Dr. Wonny Achmad Ridwan, SE, MM. He explained the explanation regarding the Preparation of the 2020 OBE-Based Curriculum RPS. On the second day, there was a discussion between lecturers divided into two breakout rooms Livestock Products Technology and Livestock Production Technology.



5

Forester Training Series 2021

1. FTS 1: "Comprehensive Critical Thinking and Digital Literacy to Against Radicalism"
2. FTS 2: "Knowing Yourself and Developing Character."
3. FTS 3: "Growing Leadership Character and Readiness to Work in a Team in the Digital Age".
4. FTS 4: "Fostering Success with Your Public Speaking and Personal Branding in the Digital Era."
5. FTS 5: "Popular Journalistic Training: creative and Responsible on Media Social Communication"

FAHUTAN TRAINING SERIES 2021
Program Akademi Soft Skill dan Pengembangan Karakter

FTS #1 - COMPREHENSIVE CRITICAL THINKING AND DIGITAL LITERACY TO AGAINST RADICALISM
Webinar : 08 Mei 2021 dengan 250 pendaftar, dan 145 peserta yang berasal dari 18 institusi
Kompetisi : 02-06 Juni 2021. Kompetisi Essay dan Poster

#2 - MENGENAL DIRI DAN MENGEMBANGKAN KARAKTER DI TENGAH PANDEMI DAN GLOBALISASI
Webinar : 29 Mei 2021 dengan 68 orang yang berasal dari 21 univ, serta 44 di antaranya melakukan foto karakter
Kompetisi : 30 Mei 2021 dengan 37 orang peserta (semua IPB) yang didampingi oleh 4 konselor

FTS #3 - MENUMBUHKAN KARAKTER KEPEMIMPINAN DAN KESIAPAN BEKERJA DALAM TIM: LEADERSHIP PROJECT IN DIGITAL ERA
Webinar : 12 Juni 2021 dengan 163 pendaftar dari 21 universitas
Kompetisi : 13-21 Juni 2021, HACKaLINK Citizen Science Week (Ide/Konsep/Prototipe)

FTS #4 - PUBLIC SPEAKING & PERSONAL BRANDING TRAINING: "FOSTERING SUCCESS WITH YOUR PUBLIC SPEAKING AND PERSONAL BRANDING IN THE DIGITAL ERA"
Webinar : 05 - 06 Juni 2021 dengan 46 peserta di hari I dan 93 peserta di hari II. Lebih dari 56% peserta berasal dari IPB
Kompetisi : 06 - 12 Juni 2021, Public Speaking & Personal Branding

FTS #5 - POPULAR JOURNALISTIC TRAINING "CREATIVE AND RESPONSIBLE ON MEDIA SOCIAL COMMUNICATION"
Webinar : 14 Agustus 2021 dengan 71 orang pendaftar dan 35 peserta dari 19 institusi
Kompetisi : 15 Agustus - 24 Oktober 2021. Kompetisi Penulisan Wara Copywriting

<https://ipb.ac.id/news/index/2021/06/fahutan-ipb-university-speaking/f76140eb011e3bc162b6802bb67da4d2>
<https://ipb.ac.id/media/document/pdf/IPB-Today-Edisi-594.pdf>

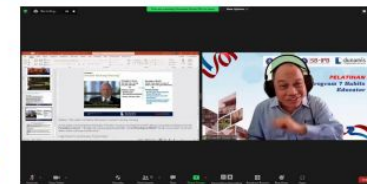
Press Release



6

ToT on The 7 Habits of Highly Effective People

The IPB Business School in collaboration with PT Dunamis is trusted to organize The 7 Habits of Highly Effective People (Facilitator) Activities. This activity was attended by 18 (eighteen) participants from divisions/units within the Bogor Agricultural Institute. This activity is carried out for 4 (four) days on 27-30 September 2021 with a duration of 4 (four) hours per day starting at 08.00 WIB until 12.00 WIB. By using Virtual blended learning which is a combination of training using synchronous and asynchronous learning approaches. Participants in The 7 Habits of Highly Effective People training are expected to be able to implement and also transmit it to other education personnel who have not attended training within the scope of their unit. For this reason, the training that will be held will focus on producing participants who will not only improve the competence of the participants themselves, but are also able to become good facilitators for other education personnel who do not attend the training, especially within the scope of their unit. So that in the end the paradigm shift obtained from this training can be transmitted to all educational staff at IPB University. For this reason, training on The 7 Habits of Highly Effective People for facilitators needs to be held for educational staff.



7

Creating Innovation in Agricultural and Fishery Sector in New Normal Era

Dean of Vocational School IPB University, Dr. Arief Darjanto explained that in entering the new normal era, it needs a lot of adjustment in agriculture, livestock, and fishery production. Innovation in animal protein production becomes very important in the new-normal era.

It was delivered in the international webinar with the theme of “Creating Innovation in Agricultural and Fishery Sector in New Normal Era”, some time ago. This activity is a series of events from the 3rd International Summer Course of Vocational School IPB University. This year’s theme for the Summer Course is “Sustainability of Tropical Animal Production: Creating Innovation of Animal Production Sector in the New Normal Era”.

“Hopefully from this summer course, participants can study from experts that in the future, food and agriculture depend on the capacity of the agricultural innovation system. Farmers need innovation to answer their needs that are diverse and complex. Includes the increasing of agriculture production and environmental performance also a better respond in climate change,” he said.

Vice-Rector of Education and Student Affairs of IPB University, Dr. Drajat Martianto also said that the summer course activity is a good chance, especially for the Vocational School of IPB University to get a new perspective. Not only an academic enrichment in culture, language, and new community background and industry.



National Webinar for Enriching Biological Concepts 2021

The National Webinar for Enriching Biological Concepts 2021 is an online seminar held by the Department of Biology, Faculty of Mathematics and Natural Sciences, IPB University in collaboration with the MA Biology Teachers Communication Forum (Fusibioma). In 2021, this event was held six times or 6 series. This activity aims to provide a deeper understanding to biology teachers regarding the basic concepts of biology and its application and a promotional event to introduce the profile of the Department of Biology to all teachers. The target participants for this Webinar are biology teachers and related professionals from various national institutions. The biological materials discussed are fungal biodiversity, mutation and evolution, animal excretory and respiratory systems, biotechnology, coordination systems, plant classification, human reproductive system, animal classification, immune systems, and ecosystems. The Department delivered these materials of Biology, IPB University such as Dr. Ir. Gayuh Rahayu from Division of Mycology, Dr. Ir. Dedy Duryadi Solihin, DEA from Division of Animals Biosystematic and Ecology, Dr. Ir. Achmad Farajallah, M.Si from Animals Physiology and Behaviour, Prof. Dr. Ir. Sony Suharsono, DEA from Division Plant Physiology and Genetics, Dr. Ir. Rika Raffiudin from Animals Physiology and Behaviour, Dr. Nina Ratna Djuita, S.Si., M.Si from Plant Resources and Ecology, Dr. Tri Atmowidi, M.Si, from Division of Animals Biosystematic and Ecology, Ir. Tri Heru Widarto, M.Sc. from Animals Physiology and Behaviour, Prof. Dr. Anja Meryandini, M.S. from Division of Microbiology, dan Hirmas Fuady Putra, M.Si. from Plant Resources and Ecology.

**WEBINAR NASIONAL
PENDALAMAN BIOLOGI
2021 Seri 2**
Untuk Guru Biologi/IPA

PENDAFTARAN:
Zoom Kamis 25 MARET 2021 | WAKTU: 13.00-15.30 WIB
ipb.link/webnas-bio2

Peserta Terbatas!
Fasilitas: E-Sertifikat

SISTEM EKRESI DAN RESPIRASI
Dr. Ir. Achmad Farajallah, M.Si
Divisi Fisiologi dan Perilaku Hewan
Departemen Biologi, FMIPA, IPB University

BIOTEKNOLOGI
Prof. Dr. Ir. Suharsono, DEA
Divisi Fisiologi dan Genetika Tumbuhan
Departemen Biologi, FMIPA, IPB University

MODERATOR:
Dra. Dyah Istami Suharti, M.KPd
MAN 1 Kota Malang

NARAHUBUNG:
1. Drs. Sukri, M. Pd. - 081233690044
2. Drs. Dewi Aisyah - 081330486204

Diselenggarakan Oleh:
IPB University, BIOLOGI IPB.AC.ID, bioipb, HADIRAN REFORMASI

**WEBINAR NASIONAL
PENDALAMAN BIOLOGI
2021 Seri 5**
Untuk Guru Biologi/IPA
Selasa, 29 Juni 2021
Zoom 13.00-15.30 WIB

Materi dan Narasumber:

Sistem Imunitas
Prof. Dr. Anja Meryandini, M.S.
Divisi Mikrobiologi
Departemen Biologi, FMIPA, IPB University

Ekosistem
Hirmas Fuady Putra, S.Si, M.Si.
Divisi Ekologi dan Sumber Daya Tumbuhan
Departemen Biologi, FMIPA, IPB University

MODERATOR:
Yuliati Khasanah, S.Si
MAN 2 Semarang

Fasilitas:
E-Sertifikat

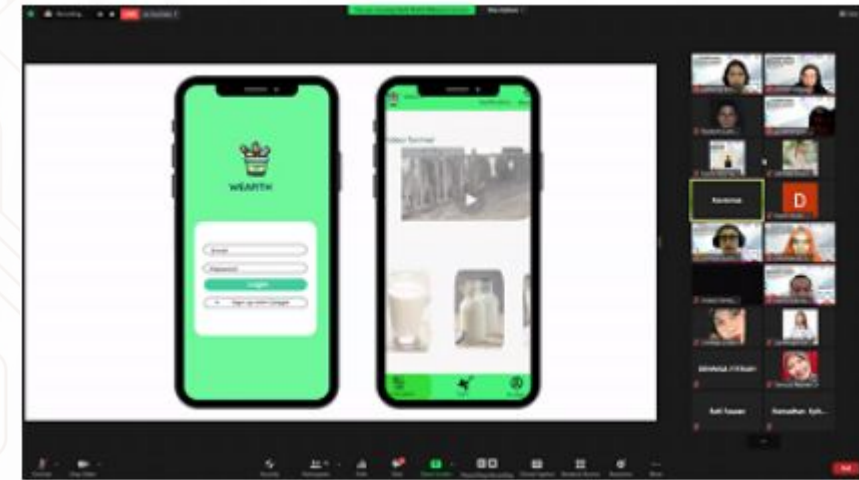
Narahubung:
1. Irfah Firoroh, S.Pd, M.Si (082134495569)
2. Sih Hartini, S.Pd, M.Si (08122528774)

PENDAFTARAN
ipb.link/webnas-bio5

9

Improving Farmer's competencies through Summer Course

The Vocational School of IPB University implemented the Merdeka Learning Campus Merdeka (MBKM) in the annual activity of the "2nd Summer Course of Smart Agro-Industry 4.0 in the Tropical Countries: Improving Farmer's competencies." This activity collaborates and adapts to the application of the Competency-Based Education AERES University of Applied Sciences Netherlands learning method. The Chairperson of the Committee, Antonya Rumondang Sinaga, SE, MM, and the committee team adapted the learning method, which was the product of the SAS21 project activities: Chicken and Cow Vocational School 2019 – 2021. The project took the theme, "Towards Gender-sensitive Agribusiness Driven Poultry and Dairy Vocational Education in Indonesia." This project collaborates between the Vocational School of IPB University, Maastricht School of Management (MSM), and Aeres University of Applied Sciences, funded by the Dutch Embassy in Indonesia, with the theme "Improving Demand-Driven Vocational Training & Education in Poultry and Dairy in Indonesia."



(linknya cari)



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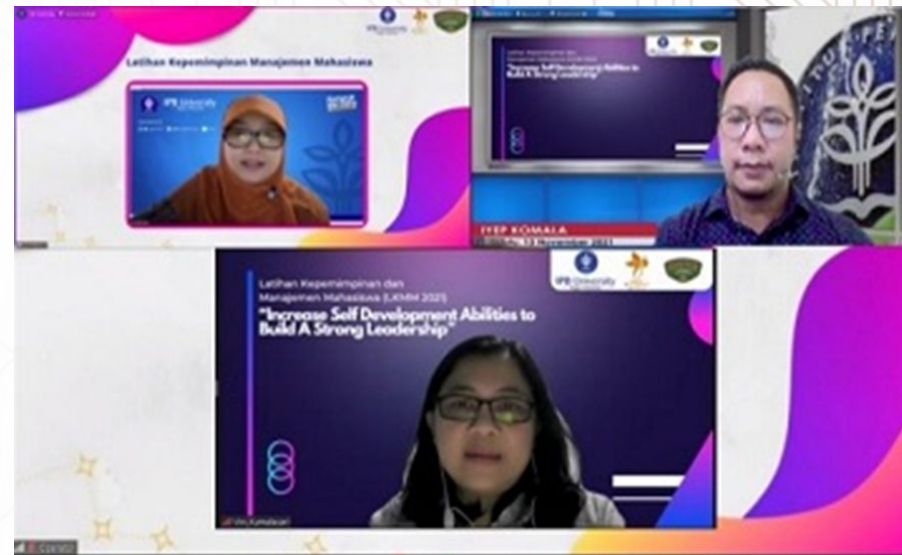


Student Activities

10

Increasing Self Development Abilities to Build A Strong Leadership

Hanter (Animal Husbandry Alumni Association) IPB University in collaboration with the Student Executive Board (BEM) of the Faculty of Animal Husbandry (Fapet) IPB University held a Student Leadership and Management Training (LKMM) 2021. The training entitled "Increasing Self Development Abilities to Build A Strong Leadership". become one of the steps to improve the leadership abilities of Fapet students. Participants are also given an understanding to have the moral power of social control and become agents of change.



SB-IPB Teaching in Schools

The SB-IPB Teaching in School Program is an activity that prints students to be able to transfer the knowledge they get from learning at the IPB Business School to High School (SMA) students. It aims to introduce business theory and practice from a young age and build an entrepreneurial spirit from an early age to high school students. Outcomes that are harmonized from SB-IPB Teaching in School activities with SB-IPB learning outcomes are SB-IPB students are able to practice the science of negotiation, communication, build good relationships with partners, establish good cooperation with partners, and carry out business consulting with high school students . The SB-IPB Teaching Program in Schools will be held in September 2021. The implementation of the SB-IPB Teaching program will be held at SMA Ananda Bogor and SMA Cinta Kasih Tzu Chi, although in the future partner schools participating in this program are expected to spread throughout Indonesia. Schools that become partners in this program can go through two channels, namely schools proactively approach and submit student requests to teach entrepreneurship in schools through study programs/faculties and continue with the preparation and signing of a Cooperation Agreement (SPK). The second path, SB-IPB is reactive to student proposals to carry out this activity at the school of their choice.



Ideanation 2021: Take a risk, Gain the Future



IDEATALKS 2021 is the main event of IDEANATION in the form of a talk show held by the Student Executive Board (BEM) of the School of Business IPB University. IDEATALKS 2021 will be held on Saturday, October 2, 2021, at 10.00 WIB until finished. At IDEATALKS 2021 the theme raised is "Take A Risk, Gain The Future". IDEATALKS 2021 presented three great speakers who provided many interesting and useful insights for all present through the zoom meeting. The first speaker was Andhika Sudarman, who is the Founder and CEO of SejutaCita Indonesia. Andhika Sudarman discusses future business in society 5.0. The second talk show speaker is Raymond Chin, who is the CEO and Co-Founder of Livestock Uang. The message from the second speaker was how to deal with high risk and high returns in the business world. Meanwhile, Gita Savitri Devi, the last speaker is a Story and Cup of Tea Writer, Content Creator, and also the Owner of Tesavara. On the occasion, Gita Savitri discussed how to embrace uncertainty with creativity.

National Science Party (Olympiad)

One of the prestigious events organized by the Student Executive Board of the Faculty of Mathematics and Natural Sciences, IPB University (BEM FMIPA IPB), together with nine Student Professional Associations at FMIPA, Pesta Sains Nasional (PSN), has been held in a hybrid method on 23-24 October 2021 at Audit FEM IPB. PSN is a national science competition for senior high school students throughout Indonesia. PSN has been regularly held since 2003. PSN 2021 which has a theme with “Everyone Is A Scientist” composed of various competitions, such as Kompetisi Statistika Junior (Komstat Junior) from Gamma Sigma Beta, Interactive Meteorology (Metrics) from Himagreto, Lomba Cepat Tepat Biologi (LCTB) from Himabio, Chemistry Challenge (CC) from Imasika, Matematika Ria (MR) from Gumatika and ASSA, Computer Problem Solving Competition (CPSC) from Himalkom, Kompetisi Fisika (KF) from Himafi, and Lomba Karya Ilmiah Populer (LKIP) from CREBs, and SYRA (STEM Young Researcher Awards). PSN 2021 could provide insight for the younger generation to realize the importance of science for a better life. This activity also supported efforts to increase knowledge and scientific insight and explored the creativity of high school students throughout Indonesia. Also, PSN could motivate students to excel and shine their bright future. PSN 2021 has been carried out with a hybrid system, which combines face-to-face (offline) and online (online). Internet connection, both committee and participants, really matter for the communication during PSN.



14

Exchange at Tarlac Agricultural University, Philippines

The Vocational School (SV) of IPB University sent 10 students to take a part in the student exchange program to Tarlac Agricultural University (TAU), Philippines. In its implementation, the SV students will attend lectures using the virtual platform. The course scheme is flexible, integrates online synchronous, modules, and self-paced TAU Coursera for Campus courses. Apart from SV-IPB University, student delegations also came from several universities in Indonesia such as UPN Yogyakarta, Sepuluh November Institute of Technology (ITS), UMB, and Surabaya State University. In the opening of this event (8/3), The Dean of the Vocational School, Dr. Arief Daryanto said that the cooperation in the field of education, especially student exchanges between IPB University and TAU has been running for more than three years. Among the Southeast Asian Technical and Vocational Education and Training (SEA-TVET) program, summer course, international student competition, and lecturer exchanges. From this activity students will get a credit earning system (SKS). One of the positive outcomes of this program for SV is that it can increase the number of inbound students and academics. This activity is also an opportunity for collaboration between SV and institutions from which students come and speakers from abroad as well as practitioners in the industrial field.



Create Creative Ebooks Training for Teachers

In collaboration with the Center for the Study and Development of Agricultural Technology (BBP2TP), Agricultural Research and Development Agency (BPTP), Ministry of Agriculture (Kementan), IPB University Vocational School held a Sharing Session "Creative Process of E-Development -book for Beginners", (9/6). This activity is part of the learning process in the Graphic Design Application Course at the Informatics Management Study Program, IPB University Vocational School. "We apply a learning method that is "project-based learning" or "program-based learning". This is the hallmark of Vocational Higher Education (PTV). From this activity, there were 40 e-books as a result of the collaboration between SV IPB University and BBP2TP. Those involved in making this ebook are 31 instructors, 105 students, 16 assistant lecturers and practitioners and 12 lecturers from four study programs. Namely Information Management, Industrial Management, Computer Engineering and Ecotourism," said the Dean of the Vocational School of IPB University, Dr. Arif Daryanto. The training was held to increase the human resources of SMK Merdeka belajar that is at "This training held to deepening the skills and increasing the competency of the teachers. Especially, for the teachers of Accounting major in SMK Taruna Terpadu, to face and serve the millennial students who got used to the development of the technology, computer, internet, and gadget," said Uding Sastrawan, Coordinator of Applied Computer in Accounting Subject in Accounting Departemen, Vocational School IPB University.



16

International Online Workshop and Seminar on Agricultural Technology

Adaptation and Adoption of Agricultural Sensors, Information Communication Technologies, and Smart Supply Chains to Support Smallholder Farmer Organized by IPB University and Food and Fertilizer Technology Center (FFTC). IPB-FFTC held on Wednesday, 22 September – Thursday, 23 September 2021, Online via the Webex application. This activity provides knowledge and experience on adaptation and adoption of agricultural sensors and other ICT technologies in smallholders. Strengthen international cooperation among stakeholders for wider adoption of technology and smart supply chain management. This event is increase the level of public awareness about the use of technology to secure sustainable agriculture.



17

LIPS: Living in Present

LIPS is a training in the form of a webinar organized under the coordination of the Biology and Chemistry Student Commission, as well as the Biology and Chemistry Student Association. The theme raised in 2021 is LIPS: Living in Present (How to deal with Hoax, Gender Inequality, and Your Personal Branding) to equip students to understand and play a role in the Sustainability Development Goals SDG no 4 Quality education with a focus on skills to filter out fake news (anti hoax) and SDG no 5 Gender Equality. In addition to focusing on the two SDGs, in this training, students will also be trained to develop personal branding, primarily through digital media. This event give benefit such as 1) Students are able to increase their soft skills capacity to face the post-campus world with the ability to filter hoax information, 2) Students are able to increase their soft skills capacity to face the post-campus world with personal branding abilities, and 3) Students are able to increase their soft skills capacity and increase their knowledge regarding gender equality. This event supports SDGS point 4 Quality education and point 5 Gender equality. These three webinar events were attended by 133 participants from various circles, namely undergraduate students from several universities in Indonesia and the general public. The outcome of this activity is that participants have soft skills in filtering hoax information, getting information about gender equality, and getting soft skills to improve personal branding on social media. In addition, we create a learning module on anti-hoax, gender equality, and personal branding.



18

IPB Vocational School New Students Broke the Record of Publishing 1078 Articles

IPB University has again succeeded in breaking the world record. This time the record was achieved by new students of the Vocational School of IPB University in the Record Holders Republic record with the category "Publication of Articles in Several Media with The Most Author." This record involved 1576 new students during the New Student Campus Introduction Period (MPKMB) Batch 58 Mahardika Cakrabinaya, IPB University Vocational School. President of Record Holders Republic (RHR), Lia Mutisari in her speech said that the record achieved is expected to provide motivation and inspiration for new students. Meanwhile, Vice President of Record Holders Republic (RHR) Halim Sugiarto explained, the criteria for this record must be unique, have certain specializations, and need special abilities to do it and have meaningful values. "Still in high spirits and maintaining health protocols, it is extraordinary that new students of the Vocational School of IPB University can break a world record and this makes not only the Vocational School IPB University, but Indonesia also proud," said Halim in a record-breaking reading, 13/8 .



Healthy and Safe Digital Technology

Literacy Webinar activity under the name Indonesia Makin Cakap Digital Program (26/8) organized by the Ministry of Information and Communication presented a resource person from the Vocational School of IPB University, namely Dr. Doni Yusri. According to him, currently, there is around 75 percent of the total population of Indonesia are active internet users. Of course, this utilization should provide positive values such as gaining knowledge, entertainment, communication, entertainment space, to business opportunities. But in reality, many bad effects are obtained by users such as verbal conflicts, violence that are presented in words, audio, and video. Also the bad effects of addiction, cybercrime, pornographic criminal cases, and many more. "These bad effects can be present without being needed by the user. Even the bad impact can target the world of education. Therefore, both students and staff should use official channels or features in the teaching and learning process," said the researcher at the Center for Agricultural and Rural Development Studies (PSP3) at IPB University.



Village Campus Program

The Center for Human Resource Development (P2SDM) Institute for Research and Community Service (LPPM) IPB University again held a Village Campus Webinar, (24/3). The 58th Village Campus Webinar raised the topic "Added Value of Agricultural Products Using Kitchen Technology". Present as a resource person, Dr. Tjahja Muhandri as Seafast Center Researcher and IPB University Lecturer from the Faculty of Agricultural Technology (Fateta). This activity was attended by villagers, members of the Small and Medium Industry Coaching Clinic (CCIKM) as well as general participants.

"The village campus webinar is one of the useful activities because this activity is related to the needs of a family or family business that is oriented to kitchen technology, which is effective, innovative, efficient. The technological approach that we provide is based on field needs, which really prepares business people and households to be able to carry out their business properly." said Dr Amiruddin Saleh as Head of P2SDM IPB University.



Vocational School Ready to Open Applied Undergraduate Program

IPB University Vocational School Lecturers provide training on the use of home yards to produce food needs. This training was given to housewives in Sinarsari Village, Dramaga Bogor. This service lecturer activity was carried out by IPB University Vocational School lecturers, namely Dr. Dewi Sarastani, Dr. Cecilia Eny Indriastuti, Dr. Inna Novianty and Mr. Lukie Trianawati, MSi. This program also involved three students, Yassar Ariq and Muhammad Rahadian Nur Dipa Kusumah from the Production Technology and Aquaculture Management Study Program, and Diaz Eka Permana Nugraha from the Computer Engineering Study Program. On this occasion, Dr Dewi Sarastani, explained the importance of sustainable food availability that is safe, diverse, nutritious and of good quality for families. He also explained the importance of food to form intelligence and family health. "Food is a product of fisheries, agriculture, forestry, plantations and animal husbandry," said Dr Dewi Sarastani. He also said, food security is a condition of fulfilling food for the state to individuals, which is reflected in the availability of good quantity, safe, diverse, nutritious, equitable and affordable, and does not conflict with religion, belief, culture to be able to live a healthy, active and productive life. sustainably. The food consumed must be free from biological, chemical, physical hazards, and of course it must be halal. "Food sources must be diverse and nutritious, containing nutrients needed by the body, such as carbohydrates, proteins, fats, vitamins and minerals. Besides being nutritious, it must also be balanced, it is recommended to vary food every day," he said



Faculty of Agriculture to Host FKPTPI 2021 Workshop

The agriculture faculty had the opportunity to hold a National Workshop on the Communication Forum of Indonesian Agricultural Universities on Saturday (20/11) at the Toyib Hadiwijaya Auditorium Building. This event was attended by the Deans and Vice Deans at 27 Faculties of Agriculture in Indonesia both offline and online. Dean of the Faculty of Agriculture Dr. Sugiyanta, M.Si in his speech said that in this gathering forum, from the northernmost universities to Merauke and from all regions in Indonesia, he appreciated that the Faculty of Agriculture should be able to build the nation's independence in agriculture, and hopefully this friendship can provide benefits. Deputy Chancellor of IPB University for Education and Student Affairs, also appreciated the implementation of this workshop. He said that the agricultural sector is currently and in the future faced with various challenges. The challenges in question are the climate crisis, the reduced interest of the younger generation to pursue the agricultural sector, the lack of technology absorption at the farmer level and the increase in the human population which has an impact on the provision of food.





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Research, Innovation, and Bussiness



Supporting Basic Science Learning, the Democratization of DNA Sequencing Technology

The advent of DNA sequencing technology accelerates the study of many fields, such as genetics, hereditary disease, multi-omics (metagenomic, transcriptomic, nutrigenomic), potential gene, conservation, and many more. However, the high cost of such technology prevents wide adoption to the teaching lab/school, make it usable only to laboratorium with huge capital. The third generation of sequencing technology from Oxford Nanopore Technologies (ONT), MinION, open up the possibility of sequencing long reads DNA with affordable prices, make it possible for small laboratories worldwide to perform DNA sequencing at low cost, thus the democratization of technology. This activity aimed to reduce the knowledge gap between local and central schools, with the use of MinION portable sequencer from ONT. Opening the possibilities to start the sequencing practices all over Indonesia education institutions. This activity supports the knowledge sharing of portable DNA sequencer to local schools, universities and the Indonesian Institute of Sciences (LIPI). The use of portable and affordable DNA sequencer makes it possible to perform DNA sequencing at local schools or research site with little to no access of decent laboratories. In the activity which was attended by high school teachers from various regions and several researchers from LIPI and universities, this event presented Dr Rahadian Pratama, a member of the Molecular Science Research Cluster and Lecturer at the Department of Biochemistry, Faculty of Mathematics and Natural Sciences (FMIPA) IPB University. Dr Rahadian presented a topic on the Nanopore Analysis Workflow. The Head of the Leading Research Laboratory Unit of IPB University, Dr. Irdika Mansur said when opening the event: "Apart from narrowing the gap, this activity is also in accordance with the fourth Sustainable Development Goals (SDGs), namely quality education. In addition, with this training, opportunities for collaboration between laboratories and secondary schools to improve the quality of education will also be opened"





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Campus Operation



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23

Student Portal Socialization in Support Implementation of MBKM

Student Portal is an application (apps) that accommodates all student needs, both academic and non-academic. Student portal features include academics (lecture schedule, exam schedule, study recapitulation, attendance, final project, academic calendar, study program schedule, study plan, graduation) and other things such as scholarships, MBKM activities, competency certificates, SKPI, SPP, lecture notes, chat, notifications, and so on. On December 27, 2021 at 13.00 – 15.00 WIB, socialization related to the student portal has been carried out to support the implementation of MBKM with Dr. Alim Setiawan, S.TP, M.Si and Angga Yuhistira Aryanto, S.T.P, M.Sc. The resource person explained how to use the student portal by students and lecturers.



24

Teaching Industry was visited by 90 Deans and Vice Deans of the Faculty of Agriculture throughout Indonesia

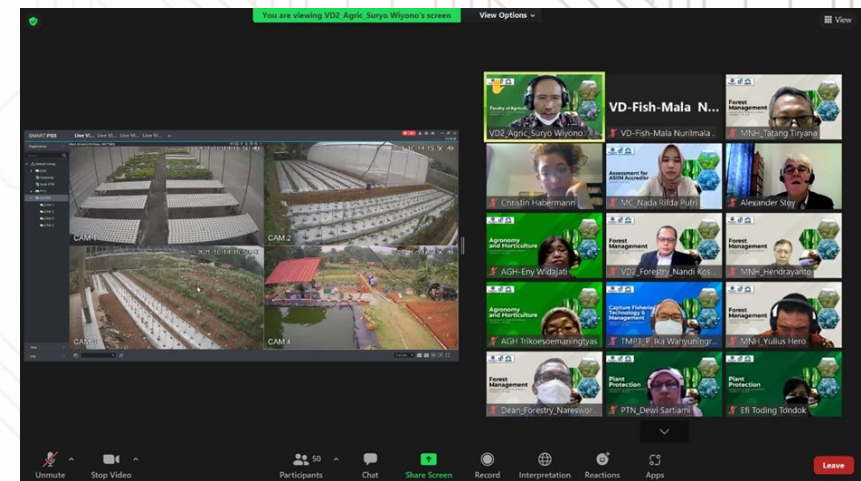
The visit of the Dean and Deputy Dean of FKPTPI to the Teaching Industry of the Faculty of Agriculture, IPB Sukamatri. The object of the visit consists of:

1. Cooperation in fostering the Faculty of Agriculture of IPB for ornamental plant entrepreneurs
2. Development of modern ochart various fruit plants
3. Discussion on cooperation for the development of MBKM internship facilities



25 ASIIN International Accreditation Visit

International Accreditation Visitation Activities by the Accreditation Agency for Degree Programs in Engineering, Computer Science, Natural Sciences and Mathematics e.V. (ASIIN) in 4 (four) study programs at the Bogor Agricultural Institute online through a zoom meeting on 11-14 October 2021. Two Study Programs (Bachelor of Agronomy and Horticulture Study Program and Undergraduate Study Program of Plant Protection) at the Faculty of Agriculture propose ASIIN international accreditation for 2020-2021 for an accreditation period of 5 years (2022-2026).



26

Faculty of Agriculture to Host the 2021 FKPTPI Workshop

The agriculture faculty had the opportunity to hold a National Workshop on the Communication Forum of Indonesian Agricultural Universities on Saturday (20/11) at the Toyib Hadiwijaya Auditorium Building. This event was attended by the Deans and Vice Deans at 27 Faculties of Agriculture in Indonesia both offline and online. Dean of the Faculty of Agriculture Dr. Sugiyanta, M.Si in his speech said that in this gathering forum, from the northernmost universities to Merauke and from all regions in Indonesia, he appreciated that the Faculty of Agriculture should be able to build the nation's independence in agriculture, and hopefully this friendship can provide benefits. Agricultural sector is currently and in the future faced with various challenges. The challenges in question are the climate crisis, the reduced interest of the younger generation to pursue the agricultural sector, the lack of technology absorption at the farmer level and the increase in the human population which has an impact on the provision of food.



IPB Fapet Virtual Promotion

The Faculty of Animal Husbandry (Fapet) of IPB University held a virtual promotion on March 3, 2021. This virtual promotion invited Alumni of Fapet IPB University, Ir Audy Joinaldy (Vice Governor of West Sumatra) and Frans Marganda Tambunan (Commercial Director of PT Rajawali Nusantara Indonesia). This virtual promotion was attended by high school students and teachers.



28 ASIIN Accreditation Assessment Visit

To improve the quality of international education services, DMNH became one of the 4 Departments at IPB that applied for ASIIN international accreditation for undergraduate study programs. International accreditation is proposed by DMNH to ensure quality education, global collaboration, and reputation. ASIIN accreditation visitation activities have been carried out on 11-14 October 2021.



29

Student MBKM Learning Assistance during the Pandemic

During the Covid-19 pandemic, many student families were affected, resulting in a decrease in family income. The Department of Forest Products through the Merdeka Campus Competition Program designs various programs that can support the smooth learning activities of students in the independent campus program, such as internship assistance, final project research, and student mobility in the 2021/2022 academic year. This activity is useful in addition to supporting independent campus activities as well as facilitating students in improving their competence and developing their talents. 19 students who received assistance in 2021 in various modes of learning, especially those related to independent learning at an independent campus



Key Factors for Success in Vocational Education through Teaching Factory

Director General of Vocational Education, Ministry of Education and Culture (Kemendikbud), Dr. Wikan Sakarinto said that the teaching factory/teaching industry is part of Indonesia's big target to create Human Resources (HR) with global competitiveness, excellence and quality products.

"One of the strategies of the teaching factory/teaching industry is that human resources must have a changing mindset, must be creative and innovative and follow developments and changing times," he said when he was a keynote speaker in the Webinar Series 1 "Teaching Factory Paradigm: Key Success Factors", 03/3.

In this webinar, which was held thanks to the collaboration between the Vocational School of IPB University and the Indonesian Vocational Higher Education Forum (FPTVI), Director of Mitras for the Business and Industrial World (DUDI), Dr Ahmad Saufi said that the general condition of the urgency of teaching factory is the demand (industrial needs), and supply (vocational education).

Prof. M Sigit Darmawan as General Chair of the Indonesian Vocational Higher Education Forum said that several things that need to be identified to establish a teaching factory are market demand, which is based on needs rather than the market. The second is resources, especially human resources, the third is support.



Compile a Central Vocational High School Roadmap Superiority

Objectives of the Vocational High School (SMK) Program The Center of Excellence (PK) is to produce graduates absorbed in the world of work, entrepreneurship or continue study. One that must be prepared by SMK is a Roadmap to the Center These advantages. In this program, the School IPB University Vocational School was appointed by the government to become a companion to the Center of Excellence Vocational School. One of the form of assistance provided by the school IPB University's vocation is to direct about roadmap creation. Initial steps taken is to analyze the strengths and weaknesses, as well as develop the potential that exists in schools.



Received Best Program Award in Learning Quality Category

The Vocational School of IPB University received the Best Program Award in Learning Quality Category at the training for Pre-Employment Card Program. The award was received at Rumah Ranadi Jakarta last week by the COO of Karier.mu, Radinka Qiera Amin to the Project Manager of Training Program, Dr Pria Sembada in Partners Gathering and Appreciation of Work Partners of Karier.mu by Sekolah.mu event.



Best PTV in the Online Learning Module Facilitation Program in 2021

The Vocational School of IPB University has been named the Best Vocational Higher Education in the 2021 Online Learning Module Facilitation Program. This award was given by the Academic Directorate of Vocational Higher Education, the Directorate General (DG) of Vocational Education, Ministry of Education, Culture, Research, and Technology. The award was presented at the launching of the implementation of the curriculum of Freedom of Learning - Independence Campus (MBKM) and the Appreciation of the Online Learning Module at the Harris Hotel Bekasi, (13/12). The award was handed over directly by the Director of Academic Affairs for Vocational Higher Education, Dr. Beny Bandanadjaja. "The development of the Online Learning Module was attended by 22 Vocational Higher Education with 131 modules funded by the Directorate General of Vocational Higher Education. This program is an initiation as a standard or example of an online learning module to be continuously developed and implemented by Vocational Higher Education throughout Indonesia,"





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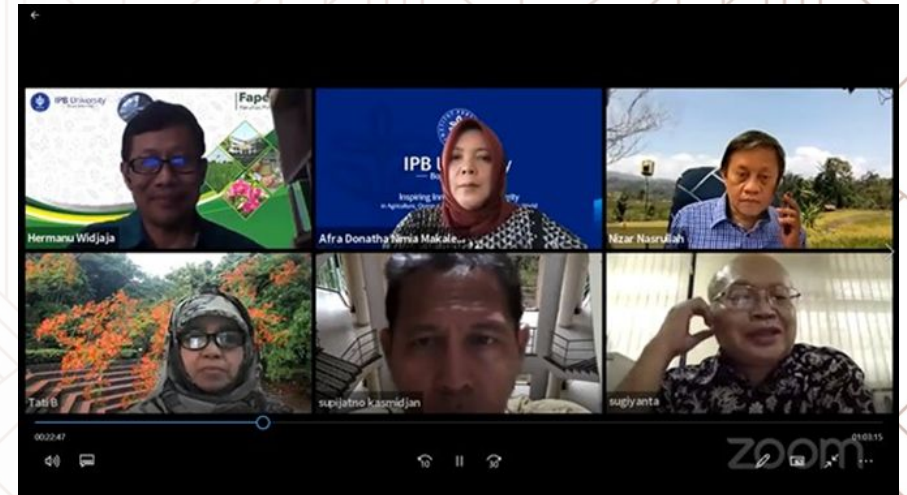
**SUSTAINABLE
DEVELOPMENT
GOALS**



Community Engagement

34 Student Service (KKNT) Debriefing Lecture

In order to make the KKNT program of the Faculty of Agriculture a success, the Dean of the Faculty of Agriculture Dr. Ir. Sugiyanta, M.Si had the opportunity to give a briefing lecture on KKNT period I on Saturday 5 June 2021 online. In his speech and at the same time delivering his lecture, he hoped that students Must have a great spirit when on the field. For this KKNT, students must be able to realize learning outcomes to realize by building cooperation and commitment. "Faperta has a brilliant history of nurturing society, you will enter into public. Of course, you also have to be able to apply the knowledge you have acquired. keep in mind, The Faculty of Agriculture is the oldest Faculty which has a long history of science, about the tri dharma, about education and for the community." concluded The rest, we hope will bring technological innovations from the faculties to community, Besides learning and living side by side with society, you will contribute innovation designs to society. "KKNT at this time must be able to carve" history," he concluded.



35 Desa Kita: Providing Education to Children in Rural Area

The Desa Kita Program has been implemented, which is a community service program at TBM Lentera Pustaka, Sukaluyu Village, Kec. Tamansari, Bogor. This activity will be held on October 30, 2021. The total participants for this activity are 61 people. Desa Kita provides education about agriculture to students of TBM Lentera Pustaka and provides education to children in the target villages. Of course, this activity carries out strict health protocols.



36 Campus Teaching

Campus Teaching is a program that provides opportunities for students for 1 (one) semester to assist teachers and principals of elementary and junior high schools in carrying out learning activities affected by the pandemic. This program is part of the MBKM (Free and Learning Campus) program organized by the Ministry of Education, Culture, Higher Education, Research and Innovation. Through this program, students can dedicate their knowledge, skills, and inspire primary and secondary school students to broaden their ideals and horizons. Students help elementary school teachers, especially in SD 3T, help with school administration, and adapt technology. Students can increase creativity and innovation in making learning media that children like. In addition, students are also able to make teaching plans and know the condition of education in Indonesia, the characteristics of children, train leadership, work, and coordination both with the team and with classroom teachers. DMNH students join this program for 3 – 4 months where 3 students join in the period 22 March 2021 – 25 June 2021 and 1 student joins on 2 August 2021 – 17 December 2021 at different schools.



37 MYOB Accounting Software Online Training for Vocational High School Teacher

Vocational High School (SMK) and Vocational School (SV) of IPB University have the same objection and goals. The goal is to prepare the students to have expertise and skills in a specific area that makes them ready to enter the jobs. However, a few alumnae of SMK choose to work immediately or continue their education at a higher level. Therefore, SMK and Vocational School should have linked and matched. There would be an integrated relationship that has synergy between SMK and Vocational School. To support this link and match program, Accounting Department of SV IPB University with SMK Terpadu 2 Bogor held an MYOB AccountingSoftware online Training. This training held for two days (3-4/05) for SMK teachers. The training was held to increase human resources of SMK.



Scientific Studies and Interpretation of the Qur'an- TERCERAHKAN (Teropong Cercah Kauniyah)

TERCERAH is a program of FMIPA IPB University from the abbreviation Teropong Cercah Kauniyah. The activity was held in the form of a webinar that attended at least 2 resource persons, namely the field of science and the Koran. The two speakers presented a comprehensive explanation of scientific phenomena and the Koran. During 2021, 9 themes have been held, including: black holes, evolution, climate change, predicting events, biochemistry flatulence (farts), algebraic wisdom in the development of science and technology, reflection on the science of medieval Islamic civilization, inspiration for computational intelligence in AI. -Quran, and material from time to time. Enlightened 2021 "Teropong Cercah Kauniyah" is organized by the Faculty of Mathematics and Natural Sciences, IPB University. Information on each implementation can be used at the following link:

1. TerCeraKan #1: Black Hole (<https://youtu.be/66HzEnC8AR8>)
2. TerCerahKan #2: Evolusi (<https://youtu.be/pP6FRWgDSDg>)
3. TerCerahKan #3: Climate Chang (<https://youtu.be/8ljzsdJGFsY>)
4. TerCerahKan #4: Memprediksi Kejadian (https://youtu.be/KPKcCr7ur_4)
5. TerCerahKan #5: Biochemistry Flatulensi (https://youtu.be/42Ewg_OtWvl)
6. TerCerahKan #6: Algebraic Lessons in the Development of Science and Technology (<https://youtu.be/ArmeslikrG0>)
7. TerCerahKan #7: Medieval Islamic Civilization Science Reflection (<https://youtu.be/PpnWLZQSPfM>)
8. TerCerahKan #8: Computational Intelligence Inspiration in the Qur'an (<https://youtu.be/bPZhf4e46kU>)
9. TerCerahKan #9: Material from time to time (<https://youtu.be/uNIONMA8vJk>)

Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA) IPB
Teropong Cercah Kauniyah (TerCerahKan) #1

Lubang Hitam
(Black Hole)

Prof. Dr. Husin Alatas
Salahuddin El Ayyubi, Lc. MA

Moderator:
Dr. Erus Rustami, SSI., MSI.

AHAD, 14 FEBRUARI 2021
05.30-07.00 WIB (BA'DA SUBUH)

Media: Zoom
ID: 937 047 0454 | Passcode: fmipaipb

Live streaming by
dkdkhairatTV
Risk | Insurance | Takafu | Islamic Finance | etc.

Build Ponds Worth 1 Billion

One of the strategies to achieve the objectives of the Center for Excellence Vocational High School Program (SMK PK) is through the SMK PK mentoring program by universities that have been stipulated in the Decree of the Director General of Vocational Education Number 21/D/O/2021. IPB University Vocational School (SV) takes part in this program. SV IPB University accompanied SMKN 1 Mundu Cirebon in the plan to develop a shrimp pond. This shrimp pond is planned to be the flagship of SMKN 1 Mundu. "On the occasion of the initial survey at SMKN 1 Mundu Cirebon, discussions and plans for the proposed expertise program were carried out. Finally, the Fisheries Agribusiness Expertise Program was chosen. In this initial survey, we analyzed the readiness of schools in implementing the SMK PK program. The funds obtained by SMK are around 700 million rupiahs for the procurement of equipment and around 300 million rupiahs for improving Human Resources. The plan for the program to be carried out is aquaculture, especially shrimp farming in ponds with various supporting facilities," said Dr. Wiyoto, a lecturer at SV IPB University who was in charge of conducting the initial survey.



41

Training for Selected Vocational Principals

Several national and international organizations collaborated to hold Empowering Principals to Manage Innovations in Agricultural SMK's in Indonesia, at Aston Jember, East Java, some time ago. This activity involves several organizations such as Maastricht School of Management, AERES University of Applied Science, HollandDoor, CITAVERDE college, Has the University of Applied Science, Lentiz Education Group, IPB University, College of Vocational Studies IPB University, State University of Malang, VHL University of Applied Science, VEDCA, Zone College, and Polbangtan Bogor. Saryadi Guyatno, ST, MBA, Directorate of Partnership and Alignment of Business and Industry, Directorate General of Vocational Education, Ministry of Education, Culture, Research and Technology (Kemendikbudristek) stated that this training is very important because the principal is tasked with ensuring the quality of education services to students in order to answer the demands of the business world, industry and the world of work. This activity presented Amalia E Maulana from Ethnomark. This IPB University alumnus said that a leader must be able to brand himself and the educational institution he leads. "The criteria should not be the same as the others so that they have characteristics and are able to show their advantages," he said.



42

Strengthening Links and Match Vocational Senior High School

The Vocational School of IPB University received a mandate from the Directorate of Vocational High Schools (SMK), the Ministry of Education, Culture, Research and Technology (Kemendikbudristek) to provide assistance to the Center for Excellence Vocational Senior High School (SMK PK) Program. One of the vocational schools that received assistance was the Integrated Agricultural Vocational School in Pekanbaru, Riau. For this reason, the workshop "Implementation of Links and Super Matches for Strengthening School Cooperation with DUDIKA (Business World, Industrial World, Work World) at the Center of Excellence," (15-16/9) was held to strengthen the cooperation program that has been carried out between the Integrated Agricultural Vocational School and DUDIKA partners. This workshop also implements the link and match launched by the Directorate General of Vocational Higher Education in the 8+i package. The Vocational School of IPB University was chosen to be one of 146 universities that accompanied several Vocational High Schools (SMK) to the Center of Excellence. One of the assisted vocational schools is SMKN 5 Pangalengan, Bandung. This time, the Vocational School of IPB University accompanied SMKN 5 Pangalengan to build a Mini Closed House for Broiler Chickens, Layer Chickens and Chicken Slaughterhouses. The construction of this Closed House is one of the strategies of SMKN 5 Pangalengan to achieve excellence. "One of the special objectives of the Center for Excellence Vocational School is to improve the facilities and infrastructure for student learning practices that are standardized in the world of work. The SMK has carried out the preparation of the needs for the Mini Closed House construction well. The thing that needs to be considered is the alignment between the locations provided and the proposed equipment in order to provide maximum results," said Gilang Ayuningtyas, S.Pt, M.Si, IPB University Vocational School Lecturer,



Feedback on the Development of Cavendish Banana Network Culture for SMKN 2 Pandeglang



IPB University Vocational School again provided assistance for Vocational High Schools (SMK). This time the assistance was given to SMKN 2 Pandeglang, Banten. The team tasked with assisting was Restu Puji Mumpuni and Agief Julio Pratama. On this occasion, the Vocational School of IPB University provided input for the flagship program implemented by SMKN 2 Pandeglang. Some of the flagship programs of SMKN 2 Pandeglang in the Horticultural Food Crops Agribusiness Expertise Program (ATPH) are the Cavendish Banana Tissue Culture Laboratory, Green House Teaching Factory, Student Practice Room (RPS) and Workshop. "We have held meetings with industrial partners who are ready to accommodate any production of Cavendish banana seedlings from tissue culture from SMKN 2 Pandeglang. Therefore, the industry is ready to support and encourage to advance the flagship program of SMKN 2 Pandeglang," said Drs Ade Firdaus as Principal of SMKN 2 Pandeglang.

Win 1st Place in the 2021 National Business Management Competition

Another proud achievement was made by IPB University students. Three students from the Industrial Management Study Program (Prodi) of IPB University's Vocational School managed to achieve 1st Place in the 2021 Business Management Competition. They are Ingger Najwa Anjani, Oktif Rafiqka Fiddien, and Sania Hairunnisa. The competition, which carries the theme "Maximizing Business Strategy as A Challenge in Society 5.0", was organized by the Big Family of Bali State Polytechnic Students, (27-29/9). The three students managed to beat participants from various universities in Indonesia who took part in this competition. In this competition, Ingger, Oktif, and Sania took the theme "Strengthening Upstream Sector Branding in Agribusiness Concepts by Utilizing Digital Technology for Millennial Generation". In her presentation, Ingger emphasized that the millennial generation is an actor of change. They are able to optimize digital power to various elements of society, especially actors who are strongly involved in the value chain of the agribusiness system. "The product downstream process is done by providing added value to the product, as a way to make it look more modern, competitive, and readily accepted by the market. However, a touch of digital technology will give more value to agricultural commodities and products," she said.



JUARA 1
BRANDING DESIGN COMPETITION
Perguruan Tinggi Se-Indonesia
Politeknik Negeri Bali



45

Coding Training for Middle and High School Students in Bogor

Lecturer of Informatics Management and Computer Engineering at the Vocational School of IPB University gave coding training to junior high and high school students in the Bogor area, which took place at SMPN 20 Bogor recently. The lecturers who carried out this service program were Medhanita Dewi Renanti, SKom, MKom; Walidatush Sholihah, SSi, MKom; Bayu Widodo, ST, MT, Sofiyanti Indriasari, SKom, Mkom, and Dr. Inna Novianty, SSi, MSi. "This activity is based on this new adaptation era, children's interactions with gadgets are getting more frequent. The ease of accessing the internet and online teaching and learning activities using cellphones/laptops during the pandemic has made children often open games that make them comfortable," said Medhanita.





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14

WORKSHOP & PELATIHAN Pengenalan Literatur Review, Systematic Review & Meta Analysis Sebagai Metode Penelitian Dengan Kontak Minimum

Sabtu, 23 Januari 2021

Deskripsi kegiatan:

Di era pandemic Covid 19 kegiatan penelitian di laboratorium sulit dilakukan oleh dosen ataupun mahasiswa kegiatan ini bertujuan untuk memberikan solusi mengenai metode penelitian untuk kegiatan penyelesaian tugas akhir dan kegiatan penelitian dosen tidak terhambat Pembicara pada kegiatan ini adalah Dr Frendy Ahmad Afandi.

Manfaat kegiatan:

Kegiatan ini memberikan pemahaman secara materi dan praktik kepada peserta mengenai tiga jenis metode penelitian yaitu Literatur Review, Systematic Review Meta Analysis Review Metode penelitian tersebut dapat digunakan dalam penyelesaian tugas akhir mahasiswa atau kegiatan penelitian dosen.

Luaran atau capain kegiatan:

Peserta dapat melakukan dan menerapkan metode penelitian ini pada kegiatan ini untuk kegiatan penelitian dosen atau membuat tugas akhir tesis



Desy Ratnasari Review Teaching Factory (TEFA) IPB University Campus in Sukabumi

Member of the Indonesian Parliament, Desy Ratnasari, MSI, MPsi attended the Soft Launching Teaching Factory (TEFA) of the Vocational School of IPB University on the Sukabumi Campus (13/3). Desy Ratnasari also had the opportunity to tour TEFA. On this occasion, the Dean of the Vocational School of IPB University, Dr. Arief Daryanto, said that TEFA is the main characteristic of vocational education.

"The Diploma 3 Study Program should provide more skills in the form of skills that are close to industrial needs. This teaching factory presents an industrial atmosphere on campus. TEFA will also use modern technology, for example a closehouse enclosure equipped with computer technology by presenting various sensors and algorithms so that all can be done automatically," he said.

He added that through TEFA, students have the opportunity to practice in the field and be able to pursue their business models, so they can calculate and build models that are feasible and viable.



12

IPB University Vocational COLLEGE Lecturers Share Tips for Caring for Cats for Beginners

Keeping pets is a hobby that can reduce stress and make people's lives better. Keeping a cat is one of them. Keeping these adorable animals is not difficult, even though it still requires knowledge about how to care for them properly and correctly. Drh Tetty Barunawati Siagian from the Veterinary Paramedic Study Program, IPB University Vocational School shared some tips on raising cats for beginners. The first thing to do before deciding to bring a cat to live with is to do a medical check-up. This action can prevent the transmission of zoonotic diseases (diseases that can be transmitted from animals to humans and vice versa) such as scabiosis, helminthiasis and others. Second, choose nutrition according to the cat's needs. This will greatly affect the health, life expectancy, and well-being of the cat. Nutrients needed such as protein, carbohydrates, fats, vitamins, antioxidants, and taurine for the heart and eyesight, "said Drh Tetty.



3

Workshop Pembelajaran Student Centered Learning (SCL)

Department of Agribusiness, Faculty of Economics and Management (FEM), IPB University held a Student-Centered Learning (SCL) learning workshop by implementing Problem-Based Learning (PBL) or Project-Based Learning (ProjBL). This workshop was attended by 31 lecturers from the Agribusiness Department and 4 lecturers from the Islamic Economics Department FEM IPB University. The instructors of this workshop are Kamarza Mulia, PhD and Elsa Krisanti, PhD. This workshop can provide inspiration for lecturers to start (or those who want to more intensively) applying the learning method with the student-centered learning paradigm. Through this PBL method, it is hoped that lecturers can facilitate students to become learners who have a future ready mind set and skill set in accordance with the educational goals of IPB 4.0. Namely encouraging students to become powerful agile learners (continued learners).



4

Food Processing Integrated Laboratory with Project-Based Learning (PjBL) Approach

Food Processing Integrated Laboratory (ITP401) is a course that comprehensively combines practical work in industrial management, food processing, food analysis, food quality assurance systems, food safety systems, including aspects of business and food marketing. Specifically in 2021, the implementation of the ITP401 course focused on the application of entrepreneurship by encouraging students to develop new food products based on feasible innovation and creativity, hone organizational skills, management of new food product development, teamwork, communication skills, and practice entrepreneurship.

The ITP401 lecture was conducted with an entrepreneurial application approach that applied the principles of Project Based Learning (PjBL) and student center learning (SCL). Challenges such as team communication building, product distribution, extending shelf life, interacting directly with customers in online market channels, and pursuing target consumers certainly provided a valuable experience for students. A total of 3 groups even continued their entrepreneurship through the entrepreneurial nurturing program scheme, which was also part of the activities in the "Kompetisi Kampus Merdeka" Program of the Food Technology Study Program - IPB. Overall, this course's implementation produced several outcomes: a catalog containing 32 innovation products and three entrepreneurial groups (The Bamboo, Biogurt, and Hi-Moon).



5

WORKSHOP & PELATIHAN. Student Centered Learning di Perguruan Tinggi dengan Menerapkan Problem Based Learning (PBL) /Project Based Learning (ProjBL)

28 - 29 Januari 2021

Deskripsi kegiatan:

Metode pembelajaran yang diterapkan menjadi kunci kesuksesan untuk mencapai capaian pembelajaran dari suatu mata kuliah Kegiatan ini memberikan pemahaman kepada dosen THP mengenai metode student centered learning yang dapat diterapkan pada kelas besar Instruktur kegiatan ini adalah Prof Kamarza Mulia Ph D dan Elsa Krisanti Ph D

Manfaat kegiatan:

Memberikan pemahaman mengenai metode pembelajaran Problem Based Learning (PBL) /Project Based Learning ProjBL untuk kelas besar sehingga dapat diterapkan pada mata kuliah di Departemen THP

Luaran atau capain kegiatan:

Rancangan pembelajaran yang menggunakan metode student centered learning, Penerapan metode Problem Based Learning (PBL)/Project Based Learning ProjBL pada setiap mata kuliah di Departemen Teknologi Hasil Perairan dan peningkatan persentase Indikator Kinerja Utama Perguruan Tinggi (IKU)

