



BIOTROP/AR15-16/2016/1277



SEAMEO BIOTROP Annual Report FY 2015 - 2016



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SEAMEO BIOTROP
Annual Report FY 2015 - 2016

Southeast Asian Regional Centre for Tropical Biology
Jalan Raya Tajur Km. 6
Bogor 16134, Indonesia



Vision

A Leading Centre in enriching and promoting the real values
of tropical biology in Southeast Asia

Mission

To provide scientific knowledge and capacity building
in conserving and managing tropical biology sustainably
for the well-being of communities and the environment
of Southeast Asia

MESSAGE FROM THE GOVERNING BOARD CHAIR

On behalf of the SEAMEO BIOTROP Governing Board, I would like to extend my heartfelt congratulations to SEAMEO BIOTROP for its achievements during the Fiscal Year (FY) 2015-2016. We are happy to see pronounced accomplishments and development in the Centre's programs and operations.

The FY in review was a significant period for the Centre in relation to accomplishing almost 90 of its targets set under its 9th Five-Year Development Plan (FTYDP) based on the results of the program and management review conducted in April 2016. We are greatly impressed with the continuous progress in the Centre's programs and activities. We commend the Centre for being true to its FYDP towards meeting its vision and mission.

We appreciate the hard work of SEAMEO BIOTROP to arrive at these excellent achievements throughout the fiscal year in review. The Governing Board has seen the proofs of this hard work during its meeting at the Centre's campus in October 2016.

I would like to thank my colleagues in the SEAMEO BIOTROP Governing Board for their continued support to the Centre.



Mrs Hj Zaitunah binti Haji Kurus

Head of School/Education Officer Special Level
School of Agro-Technology & Applied Sciences
Institute of Brunei Technical Education
Agro-Technology Campus
Brunei Darussalam
SEAMEO BIOTROP Governing Board



MESSAGE FROM THE DIRECTOR

It is with pleasure that we present our accomplishments and contributions for FY 2015/2016 based on SEAMEO's three Key Result Areas, namely regional leadership, regional visibility and solid resource base to enrich and promote the real values and sustainable uses of tropical biological resources in Southeast Asia region.

Based on our mandates given by the Governing Board and the Government of Indonesia, the Centre has positioned itself as an indispensable research centre in sustainably conserving and managing tropical biology, over the years. In FY 2015/2016, we continued to strengthen our programs and services in research and development, capacity building and community development as well as knowledge management through implementing research projects, learning activities and special initiatives under our two major program thrusts, namely Tropical Biology for Community Welfare and Tropical Biology for Environment Integrity. Our commitment is also to establish beneficial cooperation with regional and international partners for performing significant biological projects and activities that hold potential impacts in improving society welfare and providing options of solution in solving the crucial biological issues arising in the region.

Our most appreciation and gratitude to our Governing Board members and their countries for recognizing our challenges as well as for guiding us in pursuing our achievements based on our potentials. We also thank our partners and clients for their trust in using our products and services.

These achievements are made possible with the annual financial support from the Government of Indonesia and SEAMEO.

Dr IRDIKA MANSUR, M.For.Sc
Director of SEAMEO BIOTROP



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EXECUTIVE SUMMARY

On the fourth year of its Ninth Five-Year Development Plan (9th FYDP), SEAMEO BIOTROP strengthened its commitment to develop and empower the human resource in Southeast Asia. This was realized through the Centre's research, capacity building, community development, information exchange and general administration activities and services along its two program thrusts, namely: Tropical Biology for Community Welfare and Tropical Biology for Environmental Integrity. The Centre's accomplishments in FY 2015/2016 are summarized below according to the three SEAMEO key result areas:

REGIONAL LEADERSHIP

During the first half of the fiscal year in review, SEAMEO BIOTROP completed 24 research projects on current and critical biological problems in the region, and 3 action research/community-based project through its Youth Environmental Outreach (YEO) Grants Program. Twenty of these completed research projects were conducted by the Centre's researchers and partner agencies and four by PhD Thesis Support Program grantees. For the second half of the fiscal year in review, the Centre started implementing 23 more research projects, consisting of 19 by the Centre's researchers, four by PhD Thesis Support Program grantees, and one YEO Program grantee.

The Centre also continued to be in the forefront of landscape restoration research in Southeast Asia by securing a two-year collaborative research project funded by the Global Innovation Initiative (GII) and the British Council, and involving seven universities from Indonesia, United Kingdom and United States of America, and one private mining company in Indonesia.

In strengthening individual and institutional capacities, the Center implemented 25 national training courses, workshops and seminars, 2 international conferences, one regional/international seminar-workshop and one in-country training course. These learning events benefited 1,601 individuals from 7 SEAMEO member countries as well as outside the region.

REGIONAL VISIBILITY

SEAMEO BIOTROP entered into 11 new Memoranda of Understanding and Agreements (MoU/A) with national and regional organizations in conducting joint-research programs and learning events, expertise and information exchange. The Centre's scientists and program staff were sought in several local and international activities in Indonesia as resource persons, consultants, facilitators, and coordinators by government and nongovernmental institutions.

The Centre initiated the implementation of the three-year SEAMEO STAR Village Project with five other SEAMEO Centres in Indonesia. The Project generally aims to develop a community-based sustainable development model that could reinforce the SEAMEO Community Involvement Program especially in helping address the SEAMEO 7 Priorities and the Post-2015 Sustainable Development Agenda. It envisions a village that is Sustainable, Technopreneur, Ability-rich and Responsible (STAR) in terms of economic, social, and environmental development. The pilot site is the Cihideung Ilir village in Bogor, West Java. This project was launched officially by Minister of Education and Culture of the Republic of Indonesia during celebration of SEAMEO's golden anniversary celebration in Indonesia on 7-8 October 2015 in Jakarta.

The Centre also facilitated the internship and/or on-the-job training of 184 students from 45 secondary and vocational schools and universities, and 26 research projects of undergraduate and master students from seven academic institutions. It also accommodated the visit of 3,417 people from schools, universities, government and private institutions as well as communities.

The Centre published three monographs, one regional seminar-workshop proceedings, two issues of its bi-annual journal BIOTROPIA (i.e. Vol. 22 No. 2, Dec 2015 and Vol. 23 No.1, June 2016) and four issues of its quarterly newsletter, BIOTROP Courier. A total of 282 articles have been electronically uploaded in the Centre's online journal website that prospective users can download for free. SEAMEO BIOTROP researchers and program staff also published 16 articles in peer-reviewed journals, an article in refereed proceedings and a book's chapter.

The Centre's library registered 202 serial publications (journals, proceedings, newsletters, annual reports and magazines), consisted of 50 as gifts and 152 as exchange. Currently, the Centre's library holds and manages 13,236

book collections. In FY 2015/2016, a total of 239 people from national and regional/international institutions consisting of 234 universities, 2 research institutions and 3 international organizations visited the Centre's library. Eighty-three percent of visitors were satisfied with the Centre library services.

During the fiscal year in review, the Centre uploaded 131 articles in its website (<http://www.biotrop.org>) consisting of 42 articles on the Centre's activities, two highlights of research results, 37 articles on events of SEAMEO Secretariat and other SEAMEO Centres and partner institutions and 6 book reviews. On the other hand, 44 information updates were also uploaded in the new Centre's publications section (e.g. proceedings, books, research reports, training/seminar reports, newsletters, annual report and selected photo gallery).

The Centre's website received 40,471 visitors during the period in review or 7.95 percent increase compared to last fiscal year (37,996 visitors). Of this number, 63.8 percent were new visitors.

The Centre also maintained and updated its virtual knowledge management centre on tropical biology (<http://kmtb.biotrop.org>), which provided information along the Centre's two program thrusts. A total of 13 and 14 articles on Community Welfare and Environmental Integrity, respectively were uploaded in the website.

The Centre launched a new website on Spatial Information & Services (<http://spatial.biotrop.org>). This website provides information on the Centre's database of Landsat imagery collections which were acquired since 1995 and covered almost whole of provinces in Indonesia. The Centre also developed and disseminated to its stakeholders two educational videos on Composting method and Mushroom Cultivation.

Meanwhile, the Centre's Third Biodiversity Conservation Photography Competition drew in 314 entries from Indonesia, Philippines, Vietnam, Malaysia, Brunei Darussalam, Cambodia, Thailand, Lao PDR, and Myanmar. The top three winners were all from Indonesia. A feature article about the competition was published on 6 October 2015 in Kompas, one of the major national newspapers in Indonesia.

SOLID RESOURCE BASE

In fiscal year under review, three of the Centre's staff earned their Master Degrees in Communication for Rural and Agricultural Development, Plant Biology and Electrical Engineering for Digital Media Technology respectively and another staff completed an exchange program at the Western Carolina University, USA in May 2016.

Eighty-nine percent of the Centre staff, or 12 percent increase compared to last fiscal year, attended staff development activities such as training, conferences, seminars, workshops and symposia in Indonesia and abroad during the period in review.

The Centre completed the construction of a hydroponic unit and revived its Mycorrhiza Laboratory. The Centre also renovated the following facilities: Silviculture Laboratory building, Services Laboratory building, one training room, two dormitories and seven greenhouses.

The Centre's Product Development and Services Department produced a total of 290,134 seedlings of Teak (*Tectona grandis*), Banana (*Musa* sp.), Jabon (*Anthocephalus cadamba*), Satoimo (*Colocasia esculenta* var *antiquorum*) through tissue culture technique. The Department also produced 35,790 baglogs of Oyster mushroom (*Pleurotus ostreatus*) and Wood Ear mushroom (*Auricularia auricula*) which were distributed to private companies and individual clients.

SEAMEO BIOTROP's Services Laboratory upheld its ISO/IEC 17025: 2005 accreditation by increasing 146 testing parameters of water and air quality, soil fertility and aflatoxin content on peanut and maize. SEAMEO BIOTROP's Services Laboratory served 921 customers and analyzed 7,312 water, air, soil, plant, food and feed samples.

The Centre's grants coming from the government of Indonesia and other funds increased by 4.52 percent and 5.12 percent, respectively. However, the total amount of USD 2,460,597 was 0.96 percent lower than the previous fiscal year. This is attributed to decrease in unallocated funds due to regulation changes on management of non-tax-revenue (*Penerimaan Negara Bukan Pajak, PNBP*), particularly funds generated from renting the Centre's training facilities and dormitories.

REGIONAL LEADERSHIP



RESEARCH AND DEVELOPMENT

Being true to its mission, SEAMEO BIOTROP continues to implement its research and development activities towards providing science-based information to enable communities and institutions to address critical biological problems and benefit from the real values and sustainable use of the region's tropical biological resources. Thus, the Centre strives to contribute to the continuous enrichment of the body of knowledge in tropical biology and at the same time offer options to solve the biological issue and concerns of its stakeholders in Southeast Asia and beyond.

Research Projects by Centre Researchers and Partner-Research Institutions

The Centre completed 24 research projects and three action research/community-based projects through SEAMEO BIOTROP Youth Environmental Outreach (YEO) Grants Program during the first half of the fiscal year in review and through the funding support from the Government of Indonesia, (*See Appendix 1*). Twenty of these research projects were conducted by the Centre's researchers and partner agencies and 4 by PhD thesis support grantees.

These research activities carried focused on the Centre's two program thrusts, namely: Tropical Biology for Community Welfare and Tropical Biology for Environmental Integrity. Thus, the research projects covered the following areas: food and feed security and safety; bio-energy development; tropical pest and disease management; value adding in natural products; biotechnology; biodiversity conservation and management; landscape restoration; management of tropical ecosystem functions and services; and ecosystem health monitoring.



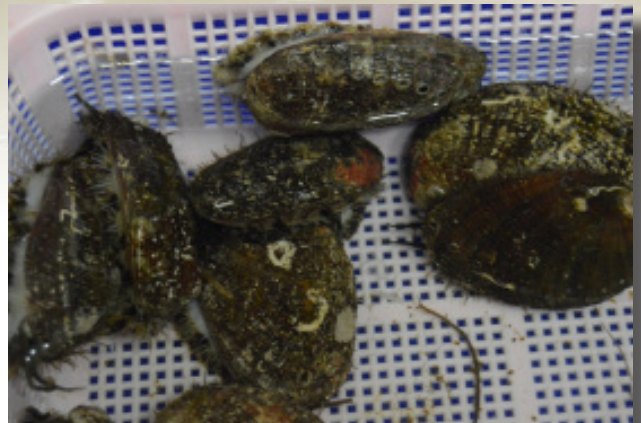
For the second half of the fiscal year, the Centre started implementing 27 more research projects as part of the Gol funding for 2016. Nineteen of this research projects are being carried out by the Centre's researchers and partner agencies, three research projects by PhD thesis support grantees, and one action research project by YEO grantee. All these research projects address the Centre's call for proposal theme on Sustaining and Enhancing the Integrity and Productivity of Ecosystems in Southeast Asia.



PhD Thesis Grants Program

Six years since its launching in 2011, the program has benefited 44 PhD students from 22 Indonesian institutions. The program aims to increase the number of highly qualified researchers, teachers and other staff working at higher education institutions and government agencies in Indonesia. The program is also the Centre's way of recognizing potential among PhD students to produce relevant research and to help them establish their careers.

The Centre continued to support three new PhD students in 2016. The grantees are pursuing their PhD degrees at Bogor Agricultural University (IPB).



Youth Environmental Outreach (YEO) Grants Program

SEAMEO BIOTROP's YEO Grants Program aims to heighten the roles of youth in realizing the real values of tropical biology for community welfare and environmental integrity by supporting the implementation of meritorious action research project proposals from deserving youth organizations.

The Centre provided a grant to Wikrama Vocational School in March 2016 to carry out an action research project until December 2016. The project title is "School-Based Mushroom Cultivation for Socio-Preneurship and Nutritional Improvement of Students and Community". This project aims to conduct action research on micro-climate computer-based instrumentation for mushroom cultivation and build a pilot house for oyster mushroom cultivation in the school grounds as a medium to develop socio-preneurship and literacy of students in mushroom cultivation.

Meanwhile, the Indonesian Green Action Forum (IGAF), one of the Centre's YEO grantees in 2015, presented the results of their action research project at the HABITAT III Conference: Urban Youth Eco-project organized by UNESCO Green Citizen on 25-27 July 2016 at Grand City Convex, Surabaya.



Internationally-Funded Research Projects

The Centre continues to be in the forefront of landscape restoration research in Southeast Asia by securing a two-year collaborative research project with Global Innovation Initiative (GII) and the British Council, in coordination with seven universities from Indonesia, United Kingdom and United States of America, and one private mining company in Indonesia.

The research project aims to further understand and build capacity in approaches to remediating and transforming landscapes affected by extractive industries, particularly mining industries in Indonesia. Mining industries contribute to the economy of the country significantly, however its activities could potentially destroy biodiversity as well as reduce landscape productivity.

In FY 2015/2016, seven scientists from Bangor University, Aberystwyth University, Western Carolina University, Bogor Agricultural University (IPB), Diponegoro University, and Brawijaya University conducted field surveys and took samples in the site of PT Bukit Asam. The project has already involved two Master of Science (MS) students from Bogor Agricultural University, one MS

student from Bandung Institute of Technology (ITB), and four undergraduate students from Brawijaya University conducted experiments for acid mine drainage and large scale compost production at PT Bukit Asam. As part of this project, Mr Armaiki Yusmur, BIOTROP's Supervisor at Knowledge Management Department (KMD), underwent a student exchange program to Western Carolina University (WCU), USA from March – May 2016.



TRAININGS AND OTHER LEARNING EVENTS

Regular Training Programs, Seminars and Workshops

SEAMEO BIOTROP conducted 29 training courses and learning events during FY 2015/2016 (See Appendix 3). These activities benefited 1,601 individuals from 7 SEAMEO member countries as well as from other countries. Some highlights of the regional/international learning events are as follows:

- *Fifth Regional Training Course on Implementation of HACCP System on Prevention and Control of Mycotoxin in Food and Feedstuff*



In collaboration with Kasetsart University (KU) of Thailand, the Centre conducted its 5th Regional Training Course on Mycotoxin Prevention and Control on Food and Feedstuff on 14-18 September 2015 at KU campus, Bangkok. Twenty-five participants coming from government and private institutions in Cambodia (1), Indonesia (6), Lao PDR (1), Philippines (1), Thailand (14) and Vietnam (2) completed the training course. This training course was aimed to equip the participants with basic and applied knowledge and skills to prevent and control mycotoxin in food and feedstuff with special emphasis on proper implementation of the HACCP system.

The course was expected to equip the participants to be able to (1) identify the factors affecting fungal growth and mycotoxin contamination in food and feedstuff; (2) apply

appropriate techniques in sampling commodities for mycotoxin analysis; (3) analyze mycotoxins in food and feedstuff using fluorometer and liquid chromatography method; and (4) prepare an HACCP program for prevention and control of mycotoxin contamination consisting of hazard analysis and formulation of preventive measures, identification of critical control points (CCPs), establishment of critical limits, and monitoring of each CCP.

This training course was funded by Government of Indonesia, SEAMEO Education and Development Fund (SEDF), Vicam Asia Pacific, Thonganurak Co. Ltd. Thailand, PT Radin Indonesia, Ngu Phi Scientific Vietnam and Charoen Pokhphand Thailand.



- *Second International Conference on Tropical Biology (2nd ICTB)*

The Centre convened 133 researchers and practitioners from Afghanistan, Australia, Belgium, the People's Republic of China, Kenya, Malaysia, Nepal, Philippines, Thailand, UK, USA and Indonesia to share lessons, address challenges, and generate commitments on strengthening ecological restoration for sustainable and integrated development in Southeast Asia during its Second International Conference on Tropical Biology held on 12-13 October 2015 at its Convention Hall in Bogor.

With the theme "Ecological Restoration in Southeast Asia: Challenges, Gains and Future Directions," the conference aimed to advocate a paradigm shift in ecological restoration that is more sustainable development-oriented by creating multifunctional landscapes and involving multi-stakeholder partnerships. The conference featured two keynote speakers, Mr Patrick Durst from UN FAO Regional Asia Pacific Office and Mr Nigel Tucker from BIOTROPICA Australia, on the subtheme "Gains and Challenges in Ecosystem Restoration in Southeast Asia". Mr Durst presented an update status of forests in the Asia-Pacific region based on the 2015 FAO's Global Forest Resource Assessment, while Mr Tucker shared a spectrum of restoration options based on his experiences in West Java.

Twenty-two papers were presented during the parallel sessions which focused on (1) approaches, techniques and innovations in ecological restoration; (2) socio-economic, cultural and ethical dimensions of ecological restoration, (3) ecological restoration, biodiversity, and climate change, and (4) ecological restoration policies and other legal frameworks. This parallel sessions were moderated by Dr Chongrak Wachinrat from Kasetsart University, Thailand, Dr Himlal Baral from the Center for International Forestry Research (CIFOR) and Dr Dodik R. Nurrochmat from IPB.

A Side Event on the topic "Restoring Land and Water Bodies Impacted by Mining Activities to Support Livestock Production" was also conducted during the first day of the conference. It featured six presentations, i.e., three from Indonesia (i.e., Directorate General of Livestock and Animal Health Services (DGLAHS) Ministry of Agriculture; Directorate Technique and Environment Directorate General Mineral and Coal Ministry of Energy and Mineral Resources; and PT Berau Coal) and three from international institutions (i.e., Bangor University; Western Carolina University; and Aberystwyth University). This event was facilitated by former BIOTROP Director Prof Bambang Purwantara from IPB and Dr Irdika Mansur, Director of BIOTROP.

A panel discussion highlighted the second day of the conference that focused on the subtheme "Future

Directions in Ecosystem Restoration in Southeast Asia". Panel discussants were Dr Stephen Elliot from CMU-FORRU, Dr Morag McDonald from Bangor University, UK; Dr Dodik Nurrochmat from IPB; and Dr Sonya Dewi from ICRAF-SEARO.

Sixteen participants, mostly from Indonesia, presented their posters during the networking session. Eight institutions joined the exhibition during the Conference, namely: World Agroforestry Centre (ICRAF), Bogor Botanical Garden, Directorate of Strategic Studies and Agricultural Policy (KSKP-IPB), TRUBUS Magazine, Plant Resources of South-East Asia (PROSEA), Hayati Journal of Biosciences and SEAMEO BIOTROP.

The conference was supported by the United Nations Food and Agriculture Organization (FAO) for being the Centre's major partners for the conference as well as the supporting institutions, namely: the International Union of Forest Research Organizations (IUFRO), BIOTROPICA Australia, Bogor Agricultural University (IPB), Bangor University, Chiang Mai University-Forest Restoration Research Unit (CMU-FORRU), World Agroforestry Centre Southeast Asia Regional Office (ICRAF-SEARO), the British Council, and Australian National University.



- *Regional Seminar-Workshop on Optimizing the Utilization of Mycorrhiza for Land Productivity in Southeast Asia*



Held on 9-11 November 2015 at the Centre's headquarter in Bogor, the regional seminar-workshop was aimed to provide a venue for mycorrhiza researchers and users to share knowledge and experiences, address challenges, and generate commitments to strengthen and work collaboratively towards optimizing the use of mycorrhiza for sustainable land productivity in the agriculture and forestry sectors in Southeast Asia. The seminar-workshop was attended by 26 participants from leading universities and research institutions in Indonesia, Malaysia, Myanmar, Philippines, Thailand and Vietnam.

Participants of the seminar-workshop agreed to establish an association of mycorrhiza researchers in the region. The decision to form such organization was triggered by the current status of mycorrhiza research and the renewed

global interest on the increasing potentials of mycorrhiza for enhanced production to address food security as well as for restoration of degraded landscapes based on the country reports by the participants and lectures by resource persons.

This seminar-workshop was supported by the International Centre for Tropical Agriculture (CIAT) Asia and Ministry of Education, Science and Technology of Japan through its Expert Dispatch Program. The resource persons and facilitators were from Yamagata University, University of the Philippines, CIAT Asia, Universiti Putra Malaysia, Gajah Mada University and BIOTROP.

Quarterly Public Seminars

The Centre also continued to organize Quarterly Public Technical Seminar Series featuring speakers from various disciplines in accordance with the Centre's program thrusts. The seminars conducted in FY 2015/2016 were as follows:

1. "Global Patterns of Plant Biodiversity" by Prof Holger Kreft from University of Goettingen, Germany on 10 September 2015;
2. "Making Optimal Use of Biodiversity to Hamper the Spread and Impact of Invasive Pests" by Dr. Kris Wyckhuy from CIAT-SEA Regional Office on 25 September 2015;
3. "Weeds, Plants of the Future" by Dr Jan-Frits Veldkamp, Honorary Fellow of the Natural Biodiversity Center, Herbarium, Leiden, The Netherlands on 19 May 2016.



REGIONAL VISIBILITY



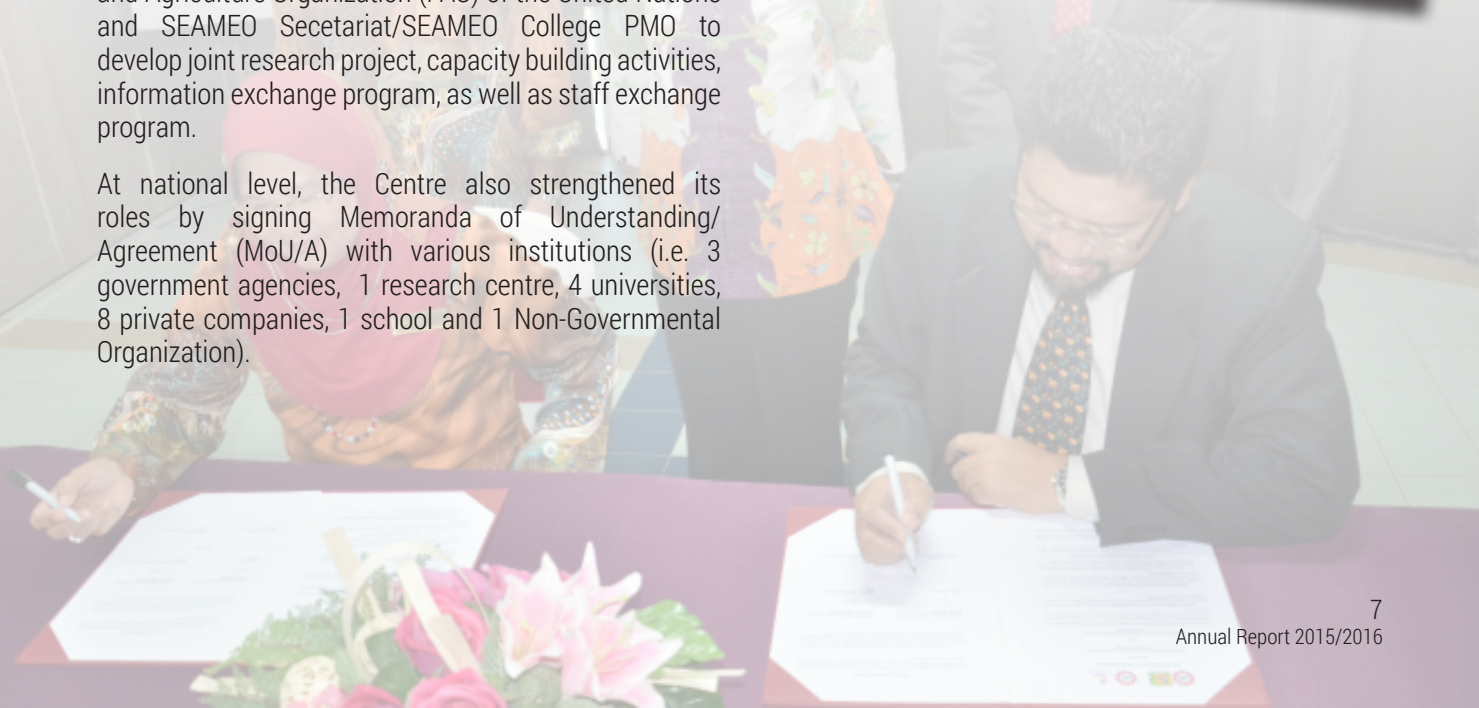
RECOGNITION AND BENCHMARKING

Partnerships and Linkages

SEAMEO BIOTROP expanded its partnership and services when it entered into 22 new national and regional Memoranda of Understanding and Agreements (MoU/A) for conducting joint-research programs and learning events, developing and enhancing professional skills and providing various technical assistances (See Appendix 6).

The Centre continued its active involvement in education and research in Southeast Asia by signing Memoranda of Understanding (MoU) with SEAMEO Regional Centre for Special Education (SEAMEO SEN), Malaysian Agricultural Research and Development Institute (MARDI), the Food and Agriculture Organization (FAO) of the United Nations and SEAMEO Secretariat/SEAMEO College PMO to develop joint research project, capacity building activities, information exchange program, as well as staff exchange program.

At national level, the Centre also strengthened its roles by signing Memoranda of Understanding/Agreement (MoU/A) with various institutions (i.e. 3 government agencies, 1 research centre, 4 universities, 8 private companies, 1 school and 1 Non-Governmental Organization).



Consultancy Services

The Centre's pool of technical expertise was again sought by various government agencies and private institutions in Indonesia during FY 2015/2016. Among the major technical assistances provided by the Centre's researchers and officers during the period in review were as follows:

1. Capacity building on "The improvement of Nutmeg Kernels Using Appropriate Postharvest Handling" on 24-25 May 2016 for the farmers in Manado, through Prof Dr Okky Setyawati as a resource person.
2. Capacity building on "Methods of Sampling and Analysis for the Official Control of Mycotoxin Levels in Foodstuffs" on 18-21 August 2015 in Sam Ratulangi University, Manado, through Prof Dr. Okky Setyawati as a resource person.
3. Capacity building on "Establishment of Green School" on 21 December 2015 for officers of SEAMEO QITEP in Language, through Dr. Arief Sabdo Yuwono and Ms Riana Hartati as resource persons.
4. Capacity building on "Establishment of Hydroponic and Aquaculture" on 24 February 2016 for staff members and officers of the Ministry of Marine and Fisheries of Indonesia, through Ms Riana Hartati and Mr Budiyo as resource persons.
5. Capacity building on Risk Analysis of Invasive Alien Plant in Mount Gede Pangrango National Park on 28-29 October 2014 for officers of Gunung Gede Pangrango National Park, through Dr. Soekisman Tjitrosoedirdjo and Dr. Sri Sudarmiyati Tjitrosoedirdjo as resource persons.
6. Provision of spatial data and analysis in support of research and other development-related activities of one local government agency, one research institution, five private organizations and two universities through the Centre's Knowledge Management Department. The institutions were: (a) Forestry Services of Riau Province; (b) Indonesian Institute of Science; (c) PT. Bennatin Surya Cipta, PT Prospera, CV Kharisma, PT. Bhumi Prasaja, and CV. Andra Sarana; (d) Bogor Agricultural University (IPB) and Andalas University.



Students' Internships/On-the-Job Trainings



In FY 2015/2016, the Centre accommodated 184 students and officials from 42 learning institutions and 1 village for their internship and/or on-the-job training (See Appendix 2). This number is broken down as follows: 83 high school students, 18 vocational school/diploma students, 48 university students, 14 university staff, 12 research centre staff, five staff of private companies and five village officials. These internships

and/or on-the-job trainings were on the following areas: biotechnology, aquaculture, microbiology, tissue culture, waste management, food and feed analysis, mushroom cultivation techniques, information technology and office administration.

Moreover, the Centre also facilitated 26 undergraduate students from 6 universities to conduct their research.

Visitors

In FY 2015/2016, SEAMEO BIOTROP was visited by 3,417 people from 31 various institutions consisting of schools (67 percent), universities (13 percent), government (15 percent), private (3 percent) as well as regional/international institutions (2 percent). The number of visitors increased by 31.5 percent compared to last fiscal year (i.e., 2,598 visitors).

This visit was part of their mission to get current information on forestry, agriculture, and livestock research and development from BIOTROP that are important inputs to their duties to establish collaborations between Indonesia and the countries where they are posted.

In strengthening Inter-Centre Collaboration, the Director, Deputy Director and Secretary of SEAMEO Regional Centre for Special Education Needs (SEN) visited the Centre to explore collaboration and joint activities. Four staff of SEAMEO INNOTECH also visited the Centre to have comparative study on Quality Management System ISO 9001. The Centre's tissue culture research attracted seven representatives of the Forest Science Institute of South Vietnam to visit the Centre to study on Jabon tree tissue culture.



The Centre welcomed New Zealand's Ambassador to Indonesia, HE Dr Trevor Matheson, for a half-day visit on 27 January 2016. The visit was part of the Ambassador's personal mission to promote New Zealand and explore collaborations with relevant institutions around Indonesia through the embassy in Jakarta.



Three Indonesian Ambassadors to the Republic of Panama, Costa Rica and Nicaragua; People's Republic of Bulgaria, Albania, and Macedonia; and Ecuador also visited the Centre on 4 February 2016. They are HE Budhy Santosa, HE Sri Astari Rasjid, and HE Diennaryati Tjokrosuprihatono, respectively.

INFORMATION EXCHANGE

Books, Monograph and Proceedings

During the fiscal year in review, the Centre, through the funding support from the Government of Indonesia (DIPA), produced the following publications (See Appendix 4):

1. Monograph on “Kamus penyakit dan tumbuhan obat Indonesia (Etnofitomedika 2)”;
2. Monograph on “Produksi Bibit Tanaman dengan Menggunakan Teknik Kultur Jaringan Edisi Kedua”;
3. Book on Building a Legacy in Education, Science, and Culture in Southeast Asia: Accomplishment of Six SEAMEO Centres in Indonesia;
4. Proceedings on the National Seminar on Promoting Research on Forest and Land Fire Mitigation, Adaptation, and Impact to Human and Biodiversity.



Journals and Newsletters

- *BIOTROPIA*

In FY 2015-2016, the Centre published two issues of its bi-annual journal BIOTROPIA (i.e. Vol. 22 No. 2 and Vol. 23 No.1). The online version can be accessed at <http://journal.biotrop.org>.

BIOTROPIA has been disseminated to 101 partner institutions, 154 libraries of national and international universities, and 25 subscribers from various national and international research institutions.



- *BIOTROP Courier*

Four issues of BIOTROP Courier, the Centre's quarterly newsletter, were published during the fiscal year in review (i.e. July-September 2015, October-December 2015, January-March 2016 and April-June 2016 issues). The issues contain highlights of completed major activities of the Centre for the information of its stakeholders and the general public.

During the fiscal year under review, BIOTROP Courier has been disseminated to 233 various national and international institutions, including partner institutions, libraries, universities, subscribers, and exchange partners.



- Articles, Technical Papers in Peer-Reviewed Journals and Proceedings

In FY 2015/2016, SEAMEO BIOTROP published 16 articles in peer-reviewed journals and an article in refereed proceedings. Most of these journal articles were the results of the scientists' research projects with the Centre that were funded through DIPA.



Library Services and Database



Currently, the Centre's library holds and manages 13,236 book collections. A total of 4,034 collections are related to the Centre's program thrust on Tropical Biology for Community Welfare (1,065 books on pest and diseases management; 1,298 books on biosystematics; 142 books on natural products; 1,370 books on biotechnology; 159 books on Food and feed security and safety). On the other hand, 1,368 collections are related to the Centre's program thrust on Tropical Biology for Environmental Integrity (242 books on Biodiversity Conservation and management; 833 books on water, waste and ecosystem management; 121 books on Landscape Restoration; 122 books on management of tropical ecosystem functions and services; and 50 books on ecosystems health monitoring). Catalog of collections can be accessed through <http://IMsbiotrop.org/opac>.

In FY 2015/2016, a total of 239 people from national and regional/international institutions consisting of 234 universities, 2 research institutions and 3 international organizations visited the Centre's library. According to customer feedback, 83 percent of visitors are satisfied with Centre library services.

The Centre's library also received 23 books as gifts from various institutions. The books are on pest and diseases management, biosystematics, biotechnology, Biodiversity Conservation, The Centre's library also registered 202 serial publications (journals, proceedings, newsletters, annual reports and magazines), consisted of 50 as gifts and 152 as exchange.

The Centre packaged and published the knowledge and information generated through its Centre's research, workshop, seminar and training activities through DIPA funding. For FY 2015/2016, a total of 108 new publications were added to the database. It covers articles in refereed journals, books, monographs, articles and posters in proceedings, research and training reports, modules, journals and newsletters.

Moreover, the Centre also developed digital catalog of its special publications by using web-based platform to reach wider users and stakeholders.

Website Maintenance and Development of Other Audio-Visual Materials

The Centre's website (<http://www.biotrop.org>) is an important outlet for news on the Centre's research, learning event and capacity building, and other development initiatives. During the fiscal year in review, 131 articles were uploaded in BIOTROP's website consisting of 42 articles on the Centre's activities, 7 highlights of research results, 34 articles on events of SEAMEO Secretariat and other SEAMEO Centres and partner institutions and 6 book reviews. On the other hand, 42 information updates were also uploaded on the new Centre's publications (e.g. proceedings, books, research reports, training/seminar reports, newsletters, annual report and selected photo gallery).



The Centre's website received 40,471 visitors during the period in review or 7.95 percent increase compared to last fiscal year (37,996 visitors). Of this number, 63.8 percent were new visitors.

The Centre also maintained and updated its virtual knowledge centre on tropical biology (<http://kmtb.biotrop.org>), which provided exhaustive knowledge and information in line with the Centre's two program thrusts. A total 13 news on Community Welfare and 14 News on Environmental Integrity uploaded to the website.

BIOTROP also stepped up its spatial information dissemination to keep its stakeholders and the public apprised of the Centre's services by developing Spatial Information & Services Website (<http://spatial.biotrop.org>) to share Centre's Landsat data collection and news on geospatial technology and applications.

Two educational videos on Composting and Cultivation of Mushroom were developed and distributed to Centre stockholders.



Promotion and Media Exposure

In FY 2015/2016, the Centre's Knowledge Management Department disseminated the Centre's program, activities and other special initiatives, either in print and digital formats to 176 schools, 163 universities, and 5 community societies in Indonesia and beyond. The distributed promotion materials were: the Centre's Biodiversity Conservation Photo Competition, PhD Thesis Grants Program, Youth Environmental Outreach (YEO) Grants Program, Web-based Knowledge Management Centre on Tropical Biology, Spatial Data Provision and Analysis Services, Centre Products and Services, as well as Catalog of Centre Publications.

The Centre's Media Promotions Day for 2015 was held during its Second International Conference on Tropical Biology. The event generated 5 articles, both print and online from 4 media outfits and broadcasted using live streaming by GreenTV of the IBogor Agricultural University (IPB).

In relation to SEAMEO Golden Anniversary, the Center joined 5 other Centers in Indonesia in conducting roadshow to several national newspapers including Kompas, Pikiran Rakyat, Media Indonesia and SINDO to promote SEAMEO in general and the individual Centres. A total of 38 articles published on 50 years SEAMEO Anniversary in Indonesia.

The Centre was participated in 4 exhibitions conducted by Ministry of Education and Culture of Indonesia, Ministry of Environment and Forestry of Indonesia, Ministry of Agriculture of Indonesia, Bogor Agricultural University (IPB), and 2 joint exhibitions of the six SEAMEO Centre in Indonesia during SEAMEO Golden Anniversary in Jakarta and 2nd Strategic Dialogue of Education Ministers (SDEM) in Bandung.



Records | Terbang Kanto

greenTV
Inovasi Peradaban Baru

Live Streaming

Institut Pertanian Bogor

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The 2nd International Conference on Tropical Biology

Tweet 40 orang menyukai ini.

About Video
Uploaded on 22 October, 2015

Bogor, 12 Oktober 2015. SEAMEO BIOTROP menyelenggarakan 2nd International Conference on Tropical Biology "Ecological Restoration in Southeast Asia: Challenge, Gain and Future Direction". Konferensi ini dilaksanakan karena banyaknya kerusakan lingkungan yang terjadi baik di daratan dan lautan. Konferensi ini dilaksanakan di Conference Hall SEAMEO BIOTROP Bogor Jawa Barat.

Category: Green Highlights Share

Tags: Biology, Ekologi, FAO, IPB, SEAMEO

Total Views: 504 Share Video



Photo by Ares Jonekson Saragi



Photo by Irwandi



Photo by Albert



Regional Biodiversity Conservation Photo Competition

The third BIOTROP Biodiversity Conservation Photo Competition with theme “The Role of Biodiversity in Restoring the Integrity and Ensuring Sustainability of our Environment” was conducted from June to September 2015.

Mr Ares Jonekson Saragi from Indonesia is this year’s first prize winner of BIOTROP’s 3rd Biodiversity Photo Competition. Titled “Verdant Rice Field,” Mr Jonekson’s entry bested 314 other entries from Indonesia, Philippines, Vietnam, Malaysia, Brunei Darussalam, Cambodia, Thailand, Lao PDR, and Myanmar.

The second prize winner was Mr Irwandi, also from Indonesia, with his photo titled “Mangrove: Our Environmental Fortress for the Future” while the third prize winner was Mr Albert from the Indonesia with his photo titled “White Stork and Buffalo”.

The article related with 3rd Regional Photo Competition on Biodiversity Conservation was published in Kompas, one of the major national newspapers in Indonesia, on October 6, 2015.

SPECIAL PROGRAM

Indonesian Biotechnology Information Center (IndoBIC)

IndoBIC implemented one International Conference, five seminars, four workshops, and two visits during the period in review. The number of activities carried out by IndoBIC have increased significantly through the years due to more collaborations and partnerships developed with various government and private institutions within Indonesia. IndoBIC's activities during the period in review were supported by several partner-institutions, namely: The International Service for the Acquisition of Agri-biotech Applications (ISAAA), CropLife Indonesia, CropLife International, Indonesian Agency for Agricultural Research and Development (IAARD) of the Ministry of

Agriculture of Indonesia, US Department of Agriculture, Indonesia Institute of Sciences, National Outstanding Farmers and Fishermen Association (NOFA), International Food Information Council (IFIC) Foundation, the Indonesian Society for Agricultural Biotechnology (PBPI) and various Indonesian universities. A total of 948 individuals from government institutions, private sectors, academe, farming communities and media practitioners benefited from IndoBIC's activities.

Notable of these activities are the following:

- *Seminar on Global Socio-Economic and Environmental Impacts in Indonesia*



The seminar on Global Socio-Economic and Environmental Impacts 1996-2013 was conducted on 4 September 2015, in collaboration with CropLife Indonesia, the Indonesian Society for Agricultural Biotechnology (PBPI) and the International Service for the Acquisition of Agri-biotech Applications (ISAAA). This event brought together 50 participants from universities, industries, and media to raise awareness on the socio economic consideration of biotechnology in Indonesia. Dr Parulian Hutagaol Bogor Agricultural University (IPB) and Graham Brookes, director of PG Economic served as speakers in this event emphasized the need to develop new innovation system and support technological change to improve the productivity and efficiency in agriculture.



- *The First International Conference on Life Sciences and Biotechnology (ICOLIB) 2015*

The ICOLIB was held on 28-29 September 2015 in Jember, Central Java. The conference focused on life sciences and biotechnology aspects to explore and conserve biodiversity by bringing together investigators from different fields such as health and medicine, agriculture, food technology and security, new and renewable energy, conservation and management including exploration of biodiversity. The event was jointly organized by IndoBIC, Jember University, Flensburg University of Applied Sciences, The German Academic Exchange Service (DAAD), and Unikassel Versitat.

A total of 120 people presented their research and poster during the conference consisted of scientists, academes, students from Indonesia, the Philippines, Thailand, Korea, and German.



- *Food Biotechnology Communicating Workshop for Agricultural Professionals*



The event aimed to engage officials, scientists and agricultural professionals to build competence, capacity and effectiveness in communicating food and agricultural biotechnology through traditional and social media.

The workshop in Denpasar and Bogor were attended by 106 participants and officially opened by Prof Dr Ketut Budi Susrusa, Vice Rector of Udayana University and

Mr Thom Wright of USDA Foreign Agricultural Service respectively.

The workshop was organized in collaboration with the International Food Information Council (IFIC), USDA Foreign Agricultural Services, Udayana University and supported by Indonesian Society for Agricultural, and ISAAA.

- *Expert Discussion on Regulation of Pesticide Registration Article 6.2b Regulation of The Ministry of Agriculture of the RI Number 39/Permentan/SR. 330/7/2015*



The event aimed to bring together policy makers, researchers, and industry representatives to discuss further about the implementation of the Regulation of The Ministry of Agriculture Number 39 Year 2015 (Permentan No. 39 Tahun 2015) about Pesticide Registration and to solicit the best recommendations that can be used as input for the Indonesian government related to the implementation of the Permentan. A total of 67 participants from universities, research institutions and industries attended this event.

The event concluded with recommendations from the participants. One of the important recommendations is to conduct further studies on glyphosate considering its role for Indonesian agriculture, the risks to human health and environment, as well as social and economic impacts nationally.

- *Food Biotechnology Communicating Workshop for Media Practitioners*



Two parallel learning events convened scientists and media practitioners from East part and West part of Indonesia to increase their understanding and interpretation of food safety, agricultural science and related technologies, including biotechnology was conducted on October 20 and 22, 2015 in Denpasar and Bogor, Indonesia respectively. Spearheaded by the Indonesian Biotechnology Information Centre (IndoBIC) and International Food Information Council (IFIC), the Food Biotechnology Communication, Media Relations and Multi-Sectoral Collaboration Training Workshop was aimed to build relationships, interaction and

understanding between the scientific community and the media; and provide media participants with a broader understanding of food safety and biotechnology.

Participants were representatives from scientists and agricultural professionals and media practitioners. The events became a venue for the media practitioners in Indonesia to share their experiences on how biotechnology is reported. It also imparted lessons for more accurate and science-based biotech reporting. This back-to-back activity was co-organized with Foreign Agricultural Service USDA, Udayana University, and ISAAA.

- *Seed Industry Visit*

A total of 24 participants from national media, farmers and representatives of government institution participated in a two-day visit of corn research stations and farms on 30 November – 1 December 2016 in Malang, Indonesia. The event was jointly organized with the National Outstanding of Farmers Association (NOFA), and CropLife Indonesia. It was

aimed to provide an overview of the corn seed industry in Indonesia and to identify the major problems and issues facing by farmers so that joint efforts can be used in helping them solve their problems



The participants visited Dupont research station in Malang and had interactions with farmers in their field in Kepanjen, Malang.

- *Seminar on Biotechnology, A Prospective Solution for Achieving Food Security in Indonesia*

The event was held on 29 March 2016, in Tegal Central Java. The seminar was aimed to introduce agro biotech development with local governments at various districts with agriculture as major economy, and seek support of the head of districts. The event was co-organized by IndoBIC, National Outstanding Farmers Association (NOFA), Indonesia Society of Agricultural Biotechnology (ISAB), and CropLife Indonesia. Some 93 participants consisted of farmers in Tegal (Central Java) and surrounding area, agricultural extension workers, local government officials attended the event and put their big interest to know more about biotechnology application. They expected that this technology can be implemented in Indonesia so they can immediately enjoy the benefit.



- *Workshop on Biosafety Assessment and Assessment and Release of Genetically Engineered*

The event conducted on 7 April 2016 in Jakarta, was aimed to provide information on the process of biosafety assessment and assessment and release process of genetically engineered product in Indonesia. A total of 22 people consisting of members of Indonesia Varieties Assessment and Release Technical Team and representatives from the National Seed Board of Indonesia participated in this event.

farmers in many countries. However, the products are not commercialized yet in Indonesia. Indonesia-public still needs to learn from other countries in order to adopt the products. Thus, it is very important to provide accurate information to the public so the biotech products can be accepted well especially in Indonesia.

In the opening remarks, Dr Ir Hasil Sembiring, Seed Director of Directorate General of Food Crops of the Ministry of Agricultural emphasized that the benefit from biotech products have been perceived by the



- *Seminar on 20th Anniversary (1996 to 2015) of the Global Commercialization of Biotech Crops and Biotech Crop Highlights in 2015*

The seminar was held on 19 April 2016 in Jakarta with the support from the Indonesian Society for Agricultural Biotechnology (PBPI), and CropLife Indonesia. It was attended by 104 stakeholders consisted of scientist, academicians, policy makers, farmers, journalists and entrepreneurs. The seminar was aimed to update information on the global status of biotechnology products in 2015.



- *Biotech Media Gathering*

The event was held in Bogor on 27-28 May 2016, and aimed to order to keep the media practitioners Indonesia about trends, advancements of biotechnology and biosafety, and their current and potential contributions to food security and sustainable agriculture. This seminar also aims to provide them about myths and facts on biotechnology application in the world and also the contribution of this technology to farmers' life.

The event was attended by 40 participants from national newspaper, online and television, Government, and industries.

The event was jointly organized by IndoBIC, LIPI, FAS USDA, and CropLife Indonesia.



COMMUNITY DEVELOPMENT PROGRAM



SEAMEO STAR Village

The SEAMEO STAR Village Program is a three-year collaborative project undertaken among the six SEAMEO Centres in Indonesia. It was launched by H E Dr Anies Baswedan, Indonesia's Minister of Education and Culture, on 7 October 2015 as part of SEAMEO's Golden Anniversary celebration in Indonesia. It generally aims to develop a community-based sustainable development model that could reinforce the SEAMEO Community Involvement Program especially in helping address the SEAMEO 7 Priorities and the Post-2015 Sustainable Development Agenda. It envisions a village that is "Sustainable, Technology-equipped, Ability-rich, and Responsible" towards fending for the needs of its constituents and in the process contributing to national development goals. The pilot site is the Cihideung Ilir village in Bogor, West Java.

As part of entry phase, the Centre organized a workshop on "Developing Survey Instruments and Mechanics for Community Needs Assessment" on 8 – 10 December 2015, at the Centre's headquarter in Bogor. The workshop was designed to enable the participants to formulate appropriate survey instruments and mechanics that could determine the needs of the target village towards introducing suitable development interventions.

The workshop was attended by 22 staff members from the six SEAMEO Centres in Indonesia who constitute the Program's implementing teams and 6 representatives from Cihideung Ilir Village. The participants produced 15 survey questionnaires broken down as follows: three from BIOTROP, four from RECFON, two from SEAMOLEC, three from QITEP in Language, one from QITEP in Mathematics, and two from QITEP in Science. The assessment was conducted on 12-15 December 2015 to solicit data and



information of existing economic and social structure, people livelihood, quality of health and nutrient, human resources and the carrying capacity of the region. The surveys involved school principals, teachers, students, health clinic staffs, housewives, and farmers in Cihideung Ilir Village.

The results of profiling and assessment activities would be the inputs for the implementation phase particularly in formulation and planning of appropriate development interventions at the target village. The implementation phase covers the period from July 2016 to June 2019.

SOLID RESOURCE BASE



ADMINISTRATION AND MANAGEMENT

In fiscal year under review, the Centre provided staff development opportunities to 89 percent of the Centre staff, which included training, conferences, seminars, workshops and symposia in Indonesia and abroad (*Appendix 5*). These staff development activities were organized through the Centre's Human Resources Management Department.

The Centre also supported its staff to present research and technical paper at international, regional and national knowledge events.

Three Centre staff members earned their Master of Science Degree in Communication for Rural and Agricultural Development, Plant Biology and Electrical Engineering for Digital Media Technology during the fiscal year in review. They are Ms Tika Tresnawati, Mr Haritz Cahya Nugraha and Ms Indah Wahyuni, respectively. Another staff member, Mr Armaiki Yusmur completed his student exchange program at the Western Carolina University, USA in May 2016.





Facility Improvement and New Equipments

During the period in review, the Centre completed the establishment of its hydroponic unit and revived its Mycorrhiza Laboratory. The Centre also completed the renovation of the following facilities: Silviculture Laboratory building, Services Laboratory building, one training room, two dormitories and seven greenhouses.

To support research and laboratory operations, the Centre acquired 47 pieces of laboratory and office equipments and furnishings including: Ambient Gas Monitor, Spectrofotometer, USG Veterinary, Stereo and Digital Microscope, Trinocular Microscope, Rotary Evaporator System, Drone, 22 Computer and Laptop, and 2 Motorcycles. All these renovations and acquisition of equipments and furnishings are recorded on the database for Accounting Management Information for Government's Properties and reported to the Secretariat General, Ministry of Education and Culture of Indonesia. Laboratory equipments were purchased to strengthen and expand the scope of the Centre's research activities and services.





Product Development and Services

The Centre manages a Product Development and Services Department, which produces high quality commercial biological products, such as forest and fruit tree seedlings, food crops, ornamental plants, mushroom and organic fertilizer.

In FY 2015/2016, the Department produced a total of 290,134 seedlings of Teak (*Tectona grandis*), Banana (*Musa* sp.), Jabon (*Anthocephalus cadamba*), Satoimo (*Colocasia esculenta* var *antiquorum*) through tissue culture technique. The Department also produced 35,790 baglogs of Oyster mushroom (*Pleurotus ostreatus*) and Wood Ear mushroom (*Auricularia auricula*) which were distributed to private companies and individual clients.

SEAMEO BIOTROP's Services Laboratory upheld its ISO/IEC 17025:2005 accreditation by increasing 146 testing parameters of water and air quality, soil fertility and aflatoxin content on peanut and maize. The Laboratory served 921 customers and analyzed 7,312 water, air, soil, plant, food and feed samples. On the other hand, the department also produces Oyster mushroom (*Pleurotus ostreatus*) and Wood Ear mushroom (*Auricularia auricula*).



Financial Viability

SEAMEO BIOTROP operations were mainly funded by the Government of Indonesia, as well as government of other SEAMEO member countries and partners. The Centre recorded an increase in grants (i.e. Capital and Operating Funds) received from the Government of Indonesia as of 30 June 2015. The Other Funds also increased by 5.12 percent as a result of the increase in the number of collaborative projects of the Centre.

Meanwhile, the Unallocated Funds decreased by 14.98 percent due to implementation regulation of the Government of Indonesia on management of non

tax-revenue (*Penerimaan Negara Bukan Pajak, PNBP*), particularly funds generated from renting Centre's facilities and dormitories. Thus, the amount totaled to USD 2,460,597 or 0.96 percent lower than the previous fiscal year (FY 2014/2015).

The table below shows the amount of grants and income of the Centre for FY 2015/2016 compared to FY 2014/2015:

No.	Items	Fiscal Year	Fiscal Year	Variance	
		2015/2016*)	2014/2015**)	USD	%
		USD	USD	USD	%
1	Capital Funds	523,784	508,354	15,430	3.04
2	Operating Funds	1,326,653	1,262,013	64,640	5.12
3	Special Funds	71,000	71,000	-	-
4	Other Funds	283,694	259,168	24,526	9.46
5	Unallocated Funds	326,466	384,005	(57,539)	(14.98)
	Total	2,460,597	2,484,540		

Sources:

*) BIOTROP Financial Audit Report FY. 2015/2016 (audited)

***) BIOTROP Financial Audit Report FY. 2014/2015 (audited)

APPENDICES

Appendix 1. SEAMEO BIOTROP's Research Project in FY 2015/2016

No	Titles of Research Project	Researcher/s	Objectives	Target Beneficiaries	Output and Impacts Produced	Funding Sources	Partners
A. On - Going National Research Project form In-House Researchers and Partner Agencies							
1	Fungal Infection and Ochratoxin a Contamination in Stored Arabica Coffee Beans (<i>Coffea arabica</i>) at Various Stages of the Delivery Chain in Tana Toraja Regency, South Sulawesi Province	Prof Dr Okky Setyawati Dharmaputra, Santi Ambarwati, M.Si Ir Ina Retnowati Nijma Nurfadila, S.Si	<ol style="list-style-type: none"> To obtain informations on postharvest handling methods of Arabica coffee beans (<i>C. arabica</i>) conducted by farmers, collectors, traders, and exporters. To investigate the degree of fungal infection (including ochratoxin A or OTA producing fungi) and OTA contamination of stored Arabica coffee beans (<i>C. arabica</i>) collected from different points of the delivery chain in Tana Toraja Regency, South Sulawesi Province. To determine the moisture contents and physical quality will also be determined, because they affect fungal infection. 	Farmer, collector and exporter, scientific community, government institutions	To give informations on the method of postharvest handling, the moisture contents, physical quality (the percentage of damaged beans), fungal infection and the level of ochratoxin A (OTA) contamination of stored Arabica coffee beans at various stages of the delivery chains in Tana Toraja Regency, South Sulawesi Province.	GOI- DIPA	Tana Toraja Regency, South Sulawesi Province Exporter level in the city of Makassar
2.	Establishing Tropical Forest Restoration Approaches Against Plant Invasion in Gunung Gede Pangrango National Park	Dr Sri Sudarmiyati Tjitrosoedirdjo, M.Sc. Dr Soekisman Tjitrosoedirdjo, M.Sc. Drs. Imam Mawardi, Setiabudi, S.Hut. Indah Wahyuni, S.Si. Saiful Bachri, S.Si.	To restore the degraded forest impacted by Invasive Alien Plant Species and giving a special attention to replant local species seedling of big trees under a suitable environmental dynamic, such as <i>Altingia exelsa</i> , <i>Castanopsis argentea</i> , <i>Schima wallichii</i> , etc.	Scientific community, government institutions, private enterprise and local community	Provide alternatives to rapidly kill unwanted plants long enough for planted sappling to establish. The methods of successful restoration may provide enough ground to establish the necessary regulations	GOI-DIPA	Gunung Gede Pangrango Nasional Park

3. Study on Sengon (<i>Falcataria moluccana</i>) Resistance to Bektor Pest (<i>Xystropera festiva</i>) and Gall Rust (<i>Uromycladium tepperianum</i>)	Dr Ir Ulfah J. Siregar, M.Agr Dr Ir Sri Hartati Ms	1. To construct cDNA and genomic library of sengon as materials for identification of protease inhibitor genes and other resistance genes. 2. To identify protease inhibitor and other resistance genes by PCR and sequencing. 3. To develop new marker, e.g. SNIIP, from sequence analysis.	Farmer, Scientific community, government institutions	1. Clones of cDNA and genomic library as material for further investigation of genes encoding protease inhibitor in sengon resistant to boktor pest 2. Sequence of genes encoding protease inhibitor in sengon resistant to boktor pest as well as other resistance genes 3. New marker for sengon tree improvement and breeding	GOI-DIPA	National Forest Estate (Perum Perhutani) in Kediri, East Java Silviculture Laboratory, Faculty of Forestry, IPB
4. Determining Appropriate Release of <i>Cecidochares connexa</i> as a Biological Control during the Growth of <i>Chromolaena odorata</i> as a Major Invasive Plant Species in Southeast Asia	Dr Soekisman Tjitro-soedirdjo, M.Sc. Ir Kasno MSc. Drs. Imam Mawardi Indah Wahyuni, S.Si. Saiful Bachri, S.Si.	1. To rear <i>Cecidochares connexa</i> , biocontrol agent of <i>C.odorata</i> in the laboratory 2. To release <i>Cecidochares connexa</i> imago to the field to build up its population during wet season 3. To control the population of <i>Chromolaena odorata</i> in combination with mechanical and chemical control.	Scientific community, government institutions, private enterprise local community, social community	The population of <i>C. connexa</i> in the field is expected to reduce the population of <i>C.odorata</i> , in various production systems such as in agricultural production ecosystems, animal husbandry as well as in forestry production systems, including production forest or protection forests.	GOI-DIPA	-
5. Business Development Prospect or Orchid growing media based on Oyster Mushroom waste media.	Dr Hartrisari.H. Dr Ika Amalia Kartika Harry Imantho, M.Sc,	General: To produce orchids growing media from oyster mushroom growing media wastes. Specific: 1. To optimize the production process of orchid growing media from oyster mushroom media wastes 2. To assess the business prospects of orchid growing media products.	Scientific community, government institutions, private enterprise local community, social community	The results of this study can be designed to be integrated on oyster mushroom cultivation has been done so as to increase the added value of waste oyster mushroom growing media and develop new products in the form of orchid growing media	GOI-DIPA	CV. Sari Sehat, Ciampea-Bogor

6. Mapping the Climate Vulnerability Index in the Java Sea-based on Geographic Information System	Dr Vincentius Siregar Dr Alan F. Koropitan	1. To determine the interaction of climate change and anthropogenic impact to fishery. 2. To determine the trend of coastal ecosystem change (mangrove, coral reef and sea grass) in surrounding Java Sea.	Scientific community, government institutions, private enterprise, local and social community	Outcome of this study is the synthesis of climate change and anthropogenic impacts on primary productivity of the Java Sea which is be helpful later on in the determination of the Java Sea ecosystem vulnerability index.	GOI-DIPA	Ministry of cooperation, BPS, SMEs Bogor, Ministry of Industry and Related Agency
7. Exploration the Potency of Essential Oils as Fumigant Alternative for Controlling Phosphine Resistant Strains of <i>Tribolium castaneum</i> Herbst. (<i>Coleoptera: Tenebrionidae</i>) in Food and Feed Storages	Dr Idham Sakti Harahap Sri Widayanti Trijanti A. Widinni Asnan, M.Si. Herni Widhiastuti	1. To collect stored-product resistant insect samples that resistant to phosphine from food and feed storages in Sumatera and Kalimantan islands to complete the database of phosphine resistant strains, 2. To assess the effectiveness of essential oils distilled from fennel, ginger, and lemongrass against stored-product insect pest from survey results, 3. To fractionate and test effective essential oils from our previous studies: cinnamon, cardamom, and mint oils against stored-product insects, 4. To determine the active compound of clove oils n-hexane fraction and develop simple fumigant tablet formulation of clove oil.	Scientific community, government institutions, private enterprise, local and social community	Expected output from this research are availability of: 1. updated database of phosphine resistant strains of stored-product insects in Indonesia, 2. additional information about potential plants that can be used as source of fumigants to control stored-product insects, 3. additional information about active fractions of essential oils that are expected to be more effective compared to crude oils, 4. essential oil formulation to be used as alternative fumigant for pantry pest management.	GOI-DIPA	Provincial governments of North Sumatera and East Kalimantan.
8. Improvement of Aquaponics Production System Efficiency by Biofloc Technology Application	Dr Nur Bambang Priyo Utomo Dr Julie Ekasari Eri Setiadi, MSc.	To evaluate the effects of biofloc technology application on the production performance of aquaponics system.	Aquaponics farmers, Scientific community, government institution	To increase the local as well as national production of fish.	GOI-DIPA	-

9. New Approach on Superovulation Protocol to Improve Bovine Embryo Quality in Embryo Transfer Programme	Prof Dr Bambang Purwantara Imam Supriatna Muhammad Imron Mokhammad Fakhru Ulum	General: To improve embryo quality and efficient operation of superovulation in the bovine by examining various new techniques in order to develop a new approach protocol. Specific: To explore the possibility of improving efficiency of superovulation by reducing frequency of injections, the use of nanotechnology and injection technique.	Scientific community, government institution	Improved quality of embryos produced in vivo through reduction of unfertilized and degenerated embryo by application of new approach protocol.	GOI-DIPA	SEAMEO BIOTROP
10. Application of Chitosan and Harvesting Time in Improving the Quality and Quantity of Essential Oil Content in Palmarose (<i>Cymbopogon martini</i> L.), Lemongrass (<i>Cymbopogon nardus</i> L.) and Basil (<i>Ocimum basilicum</i>)	Dr Supriyanto Jonner Situmorang M.Si. Iman	1. To determine the appropriate technology of cultivation toward increasing the plant biomass of palmarosa, serehwangi and basil. 2. To study the effect of chitosan and the harvest time in improving the quality of essential oils from palmarosa, serehwangi and basil.	Farmer, Scientific community, local community	1. To increase the production of plant biomass Palmarosa, Serehwangi and Basil fragrance 2. Information about the time of harvest and chitosan dose appropriate to improve the quality of essential oil of Palmarosa, Serehwangi and Basil fragrance.	GOI-DIPA	BALITRO, Bogor and Bogor Agricultural University (IPB).
11. Soil Chemical Characterization and Collection of Beneficial Soil Microorganism to Support Land and Forest Rehabilitation in Former Tin Mining Area in Bangka, Indonesia	Prof Dr Cahyono Agus Dr Dewi Wulandari, M.Agr. Sc Risa Rosita, S.Si Sunardi Ikay	1. To characterize soil chemical properties from former tin mining in Indonesia and to understand the impact of mining on its property's quality; 2. To collect and beneficial soil microorganism such as mycorrhizal fungi, P solubilizing microorganism, and rhizobium of former tin mining area	Government institutions, private enterprise and local community, social community,	To become a basic data about the impact of tin mining on soil quality and to obtain native beneficial microorganism such as Rhizobium, and mycorrhizal fungi	GOI-DIPA	Provincial Government of Bangka Belitung, Indonesia.

12. A Technical and Social Economic Assessment of the Current Aquaponic Farming in Indonesia	Nur Bambang Priyo Utomo Alessandro Lovatelli Austin Stankus Eri Setadi Yudi Sastro Arief Sabdo Yuwono	To evaluate a technical and social-economic aquaponic farming sector in Indonesia and an analysis of the nutrient composition of a crop grown in aquaponics as compared to the same grown in soil	Government institutions, private enterprise and local community, social community	A technical and social-economic assessment of the current aquaponic farming sector in Indonesia is conducted An analysis of the nutrient composition (including proximate analysis, minerals and vitamins) of a crop grown in aquaponics as compared to the same grown in soil is reported A demonstration aquaponics unit is constructed	The Food and Agriculture Organization of the United Nations (FAO)	The Food and Agriculture Organization of the United Nations (FAO)
13. The DNA Barcoding of Critically Endangered Bali Myna Leucopsar rothschildi to Support Its Conservation Program	Dr Ir Burhanuddin Masy'ud, MSi Maria Ulfah, SPT MScAgr Komang Alit Paramitasari, SPT MSi	1. To assess the DNA barcoding of Bali myna using COI gene. 2. To investigate relationship among bali myna in many different populations	Scientific community, government institution, local community and social community.	1. Providing DNA barcoding data of Bali myna based on complete sequence of COI gene 2. Revealing the origin and relationship among Bali myna in different population based on complete sequence of COI gene 3. Publishing the research results on Gen bank in accredited journals or present it on seminar /workshop	GOI-DIPA	Animal Care and Use Committee (ACUC), Bogor Agricultural University (IPB)
14. Recovery Indicator Index of Post Mining Reclamation: A study case at PT. Bukit Asam Mining Area	Prof Dr Ir Lilik Budi Prasetyo, MSc Dr Himlal Bharat Dimaz Danang Al-Reza S.Hut Panji Prakoso S.hut	To access reclamation success based on above ground carbon stock, LAI, top atmospheric temperature, flora & bird biodiversity and soil microorganism.	Government institutions, private enterprise and local community, social community,	Comprehensive Recovery Ecosystem Indicator Index, determine by Biomass, Bio diversity, LAI, Surface temperature and soil Micro Organism.	GOI-DIPA	PT. Bukit Asam Muara Enim District, South Sumatera

<p>15. Local Adaptation and Genetic Diversity of Two Dyera Species in Jambi</p> <p>Dr Ir Hamzah, M.Si. Dr Ir Ulfah J. Siregar M.Agr.</p>	<p>1. To find the status and population structure of those tree species in their natural habitats</p> <p>2. To obtain the regeneration ability and their local adaptation</p> <p>3. To find the genetic diversity and phylogenetic relationship between those two species of Genus Dyera</p>	<p>Farmer, government institutions, local community, social community</p>	<p>1. To obtain information on status and population structure of <i>D. costulata</i> and <i>D. lowii</i> in their natural habitats</p> <p>2. To obtain The regeneration ability of those tree species in the two different habitats</p> <p>3. To find The genetic diversity and phylogenetic relationship of the two species</p> <p>4. International publications in refereed journals</p>	<p>GOI-DIPA</p>
<p>16. Development and Application of Underwater Acoustics for Ecosystem-Based Management: Proposal For Marine Conservation and Rehabilitation</p>	<p>1. To measure, identify, and map fish density, coral reefs, and seabed;</p> <p>2. To assess the accuracy of fish habitat maps generated using hydroacoustic method;</p> <p>3. To detect, map, and classify substrate/sediment and</p> <p>4. To determine the relation of substrate type and the existence or distribution of coral reef, fish distribution and their abundance.</p>	<p>Government institutions, private enterprise, local community, social community</p>	<p>1. The present study could be a basis for future integrated study in assessing the fish density, coral reef, benthic habitat, and seabed in Seribu Island waters due for ecosystem monitoring.</p> <p>2. To find policy analysis in recovering marine ecosystem and fishery production, and adapting to ocean climate change.</p>	<p>GOI-DIPA</p>
			<p>Ocean Acoustics and Instrumentation Laboratory, Department of Marine Science and Technology Faculty of Fisheries and Marine Sciences Bogor Agricultural University (IPB), Seribu Island local government</p>	

<p>17. Morphogenetic Diversity, Propagation and Suitability of Kemenyan for Degradated Land Restoration in North Sumatera</p>	<p>Dr Arida Susilowati, S.Hut, M.Si Dr Supriyanto Henti Hendalastuti, S.Hut, M.Si. PhD Dr Apri Heri Iswanto, S.Hut, M.Si Irawati Azhar, S.Hut, M.Si Riswan, S.Hut, M.Si</p>	<p>1. To morphogenetically characterize kemenyan in North Sumatera. 2. To provide generative and vegetative propagation of kemenyan in North Sumatera. 3. To generate information about kemenyan suitability for post mining land restoration. 4. To apply restoration technique using kemenyan in post mining area in Gold mining Agincourt Batang Toru, North Sumatera.</p>	<p>Farmer, government institutions, local community, social community</p>	<p>To provide data and information on genetic and morphological diversity of kemenyan in its natural habitat, how it artificial propagation prospect of kemenyan for restoring degraded post mining land and direct planting of kemenyan in plot area in Gold Mining PT Agincourt Batang Toru</p>	<p>GOL-DIPA</p>	<p>SEAMEO BIOTROP, Agincourt Gold Mining Company, North Sumatera</p>
<p>18. Exploration of Endophytic Bacteria Originated from Mangrove (<i>Avicennia</i> Spp.) Serving as Plant Growth Promoter and Biocontrol Agent of Plant Pathogen</p>	<p>Dr Abdul Munif, M.Sc.Ag Muhammad Firdaus Oktafianto, SP Deden Dewantara Eris, SP</p>	<p>1. To study the abundance of mangrove endophytic bacteria 2. To study the potential of mangrove endophytic bacteria as agents of plant growth promoter 3. To get several isolate of endophytic bacteria that have the potential as plant growth promoter and biological control of Satoimo leaf blight.</p>	<p>Scientific research, farmer, government institutions, local community, social community</p>	<p>To provide new information of the abundance of mangrove endophytic bacteria especially in Indonesia and report of the potential of mangrove endophytic bacteria serving as plant growth promoters and biological control</p>	<p>GOL-DIPA</p>	<p>Conservation center area at Karongsongan and Indramayu village; Bogor Agricultural University (IPB)</p>

19. Application of HEC-GEO-HMS and SWAT Models in Upriver Flood Control of Ciliwung Watershed Upstream	Dr Ir Latief M. Rachman, MSc MBA Dr Ir Yayat Hidayat, Msi Dr Ir DPT. Baskoro, MSc	<p>1. To obtain an effective vegetative technology by introducing and arranging several kinds of plants in combination with soil conservation techniques for controlling river discharge from Ciliwung Watershed Upstream.</p> <p>2. To prove and verify technical approaches to control flood in the form of big dams (Ciawi Dam and Sukamahi Dam) and mini dams by simulating runoff retention in the form of increased depression water storage on several ways of river flow in Ciliwung Watershed upstream that feasible to be employed with feasible and acceptable cost and eliminate environmental negative impact.</p> <p>3. To compare the effectiveness of vegetative and mechanic techniques (especially big dam and mini dam methods) for upriver flood control in Ciliwung Watershed upstream.</p> <p>4. To determine appropriate strategy for implementation of simulation yields from vegetative and mechanic techniques for upriver flood control in Ciliwung Watershed Upstream to control flood in DKI Jakarta area.</p>	Scientific research, government institutions, local community, social community	<p>1. Application of HEC-Geo-HMS Model in Upriver Flood Control of Ciliwung Watershed Upstream (CWU)</p> <p>2. Contribution and effect of of mini dams in CWU for controlling discharge of Ciliwung River stream to minimize flood in Jakarta with and without application of vegetative technique</p> <p>3. Effectiveness of big dam mechanic technique (Ciawi Dam and Sukamahi Dam) for controlling discharge of Ciliwung River stream to minimize flood in Jakarta</p> <p>4. Strategies and requirements for implementation of mini dams in CWU.</p> <p>5. Recommendation of efforts required to conserve and rehabilitate surrounding areas of mini dams in CWU</p>	GOI-DIPA	Department of Soil Science and Land Resources, Faculty of Agriculture, IPB.
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B. On – Going Research Project form PhD Thesis Support Grantees

1	Application of Spatial Model of Land Use Change and Watershed Erosion in Citarum Upstream Watershed	Sri Malahayati Yusuf	<p>1. To assess the pattern of land use change in Citarum Hulu watershed using M-CA Model</p> <p>2. To predict erosion in Citarum Hulu watershed using WEPP Model.</p>	Scientific research, government institutions, local community, social community	To find availability of factors that affect the land use change. Thereby, the increasing of understanding of land use change pattern and erosion process occurring as the land use change will be reach. The results from this research are also will be published at international/national publication	GOL-DIPA	Bandung and West Bandung Regency and Bandung City; Soil Physics and Soil Chemistry Laboratory, Department of Soil Science and Land Resources, Faculty of Agriculture, IPB, Bogor.
2	Diversity of Chitinolytic Bacteria from Tropical Rainforest and Oil Palm Plantation in Jambi and Potency of Chitin Degrading Enzyme of <i>Ganoderma boninense</i>	Risky Hadi Wibowo	To investigate the diversity of soil bacteria as chitinase enzyme producer from tropical rainforest Bukit Dua Belas national Park (TNBD) and will be compared the diversity of the uncultured and cultured isolates with transformation rainforest (oil palm plantation) in Jambi using DGGE Method, purified extracellular chitinase of potencial isolates and determine its potency as biocontrol of <i>G. boninense</i> .	Scientific research, Government institutions, private enterprise	<p>1. To give the contribution and information about importancy of diversity of chitinolytic bacteria, partial purification and also the chitinase characterization</p> <p>2. To give the information about the microbiology roles specially potency of chitinolytic bacteria as a biofungicide in agriculture and also agroforestry to increase productivity of oil palm in Indonesia</p>	GOL-DIPA	Taman Nasional Bukit Duabelas and Oil Palm Plantation, Jambi; Laboratory of Microbiology, Department of Biology, Faculty of Mathematics and Natural Sciences, Bogor Agricultural University.
3	Diversity and Characterization of Perch Sites Bats (Chiroptera: Microchiroptera) on Some Caves in Karst Region of Gudawang Bogor	Heriyanto Budiman	<p>1. To study the diversity of bat species sub-ordo Microchiroptera in Karst cave of Gudawang.</p> <p>2. To determine the characteristic of caves inhabited by bats in Karst cave of Gudawang.</p> <p>3. To analyze the phenomenon of cohabitation in the use of the cave by bat species in the Karst cave of Gudawang</p>	Scientific research, Government institutions	To design a conservation strategy of cave ecosystem, thus the presence of bats as a key factor in the energy cycle in the caves and the other ecological role for the outside the cave ecosystem can be maintained	GOL-DIPA	-

C. On-Going YEO Grant Project

<p>1 School Based Mushroom Cultivation for Socio-Preneurship and Nutritional Improvement of Students and Community</p>	<p>Catur Budi Cahyono</p>	<p>General: To relationship between school and the community SMK Wikrama and the communities around the school mushroom cultivation</p> <p>Specific:</p> <ol style="list-style-type: none"> 1. To build a pilot house oyster mushroom cultivation in the school grounds as a medium for competence based training of students 2. To develop socio-preneurship in mushroom cultivation students 3. To conduct action research on micro-climate computer- based instrumentation for mushroom cultivation 4. To mobilize the students and the community people around the school in developing socio-preneurship through the cultivation of mushrooms and development of variety of nutritious menu for the needs of the school canteen 	<p>Government institutions, social community</p>	<ol style="list-style-type: none"> 1. Two oyster mushroom houses in the school premises as a pilot project and outer community people. 2. Student and outer community people get education about entrepreneurship. 3. Socio-preneurship skill of 60 students of " Green Bud" extracurricular activity, 20 students of "Youth Scientific Group" and outer community people to apply oyster mushroom farming in their own houses. 4. Innovation in micro-climate instrumentation of computer based oyster farming which is designed by Youth Scientific Group of SMK Wikrama. 5. Participation of approximately 1000 students of first and second graders and RW 06 residents of Sindangsari Village 6. Healthy nutrition source alternative in school canteen 	<p>G0I-DIPA</p>	<p>-</p>
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D. Completed National Research Project form In-House Researchers and Partner Agencies

1. Postharvest Quality Improvement of Nutmeg (<i>Myristica fragrans</i>)	Prof Dr Okky Setyawati Dharmaputra, Santi Ambarwati, M.Si, Ir Ina Retnowati, Nijma Nurfadila, S.Si	1. To identify Critical Control Point (CCP) in nutmeg's post-harvest process, and prepare nutmeg HACCP (Hazard Analyse Critical Control Point) System. 2. To give a recommendation on GHP (Good Handling Practice) of nutmeg in order to maintain its quality in term of food safety which is very important for international trade.	Farmer, collector and exporter	The research results could give a recommendation on Good Handling Practice of nutmeg to farmer, collector and exporter to maintain its good quality in terms of moisture content, percentage of damaged kernels, fungal infection, and aflatoxin contamination during storage.	GOI-DIPA	-
2. Studies on the Pathway of Important Invasive Alien Plant Species and The Biology of <i>Chimonobambusa quadrangularis</i> and <i>Cestrum Aurantiacum</i> at Gunung Gede Pangrango National Park	Dr Sri S. Tjitrosoedirdjo Dr Soekisman Tjitrosoedirdjo Setiabudi S.Hut Drs. Imam Mawardi Indah Wahyuni S.Si Saiful Bachri	1. Studying the the pathways of IAPS 2. Observing the visitors' knowledge on IAPS by distributing a questioner 3. Studying the biology of <i>Chimonobambusa quadrangularis</i> and <i>Cestrum aurantiacum</i>		1. Recommendation on the prevention on the IAPS spread and educating the awareness of the people on the IAPS problems 2. Knowledge on the biology of <i>Chimonobambusa quadrangularis</i> and <i>Cestrum aurantiacum</i> for developing their control methods.	GOI-DIPA	Gunung Gede National Park
3. Herbicide Roundup 486 SL and Roundup Powermax Limited Field Efficacy Testing of Genetically Modified Product of Maize NK603	Dr Sri Sudarmiyati Tjitrosoedirdjo Drs. Imam Mawardi Saiful Bachri	The field testing of herbicide roundup to control weeds in Genetically Modified Product (GEP) Maize crop (NK603) under Confined Field Trial (CFT) condition.		1. Proof of the effectiveness of Glyphosate herbicide, toward various weeds on GEP maize (NK603) 2. Obtain sufficient data for expansion registration of Herbicide Roundup for GMO	PT. Branita Sandhini – Monsanto Indonesia	PT. Branita Sandhini – Monsanto Indonesia

4. RNA Isolation and Construction of cDNA Library of Sengon (<i>Paraserianthes falcataria</i>) Resistant to Boktor Pest II: Sequencing and Genomic Analysis	Dr Ir Ulfah J. Siregar, M.Agr Dr Ir Sri Hartati Ms	1. Isolate RNA and construction of cDNA library of sengon as materials for identification of two protease inhibitor genes 2. Further identification of those two protease inhibitor genes by sequencing and sequence analysis	Scientific community, government institutions, private enterprise and local community	1. Clones of cDNA library as material for further investigation of genes encoding protease inhibitor in sengon resistant to boktor pest 2. Sequence of genes encoding protease inhibitor in sengon resistant to boktor pest	G01-DIPA	Perum Perhutani, Faculty of Forestry IPB
5. Development of Heavy Metal and Oil Spill Adsorbent from Modified Waste Sludge of Paper Mill Factory	Dr Hilman Affandi Arif Nuryadin, B.Sc Maya Masita Novianti, M.Si	1. To modify cellulosic waste material for Super absorbent polymers (SAPs) 2. To determine the optimum concentration of SAP in nursery blocks material that could retain large quantities of water and nutrients when incorporated in the soil	Social community	The nursery block that can be used in arid areas	G01-DIPA	PT Bukit Muria Jaya
6. The Impact of Chemical Control of <i>Acacia nilotica</i> to Soil Arthropods and Other Animals in Savanna Baluran National Park, East Java. Indonesia	Dr Soekisman Tjitrosoedirdjo Dr Sri S. Tjitrosoedirdjo Setiabudi S.Hut Drs. Imam Mawardi Indah Wahyuni S.Si Saiful Bachri	Triclopyr has been utilized in pasture intensively. In the context of <i>A. nilotica</i> control in Bekol savanna inside Baluran National Park it is important to understand its residual impact upon the environment. In this work, samples of sprayed grasses and weeds and brushed <i>A. nilotica</i> trees will be taken to detect a possible triclopyr residue; also sample soil will be collect to detect its residue chemically and its impact on the population of soil arthropods and others such as worm and other animals.		1. The data obtained in the previous research works has been utilized extensively, and the following results may complement the previous finding to strengthen the application of herbicide in savanna 2. The data may be utilised to suggest a possible utilisation of herbicide for the management of invasive species in the National Park to The Minister of Forestry	G01-DIPA	Baluran National Park

7. Spatial Model Design for Competitive Improvement of Small Medium Scales Enterprises (Case study: Bogor City)	Dr Hartrisari.H. Harry Imantho,M.Sc	To produce a spatial mapping model design of SMEs in order to improve the competitiveness of products nationally and internationally to improve the welfare of society.	Ministry of cooperation, BPS, SMEs Bogor, Ministry of Industry and Related Agency	To help decision-makers in the city of Bogor to make policy related to SME development related to spatial position, especially for improving the competitiveness of products both nationally and internationally	GOI-DIPA	-
8. Modeling Primary Productivity in the Java Sea: Climate Change and Anthropogenic Impact	Dr Vincentius Siregar Dr Alan F. Koropitan	To examine the dynamics of the natural ecosystem of the Java Sea, which is characterized by primary productivity and the impact of climate change and human activity through the organic and inorganic waste that goes through the rivers, where the approach used is a hydrodynamic-biogeochemical models developed by Koropitan (2008).	Scientific community	1. To make a contribution as a result of tropical coastal marine science, especially the physical effect (encouragement climate) and anthropogenic in marine trophic levels lower 2. The synthesis of climate change and anthropogenic impacts on the primary productivity of the Java Sea useful in determining the future of the Java Sea ecosystem vulnerability index.	GOI-DIPA	-
9. Exploration of Essential Oil Potency as Alternative Fumigant and Detection of Insects Resistance Status to Phosphine in Warehouses of Food and Feed	Dr Idham Sakti Harahap Ir Sri Widayanti Trijanti A. Widinni Asnan, M.Si.	1. To collect more insect samples that already resistant to phosphine from food and feed storage facilities in DKI Jakarta, West Java and Banten Province, 2. To explore the potential of essential oils from cinnamon, cardamom, and nutmeg as fumigant against stored product insects, 3. To fractionate and testing the active fraction of essential oils from previous research that proved to be effective: clove and mint, against two categories of stored product insects; resistant and non-resistant strains to phosphine.	Ministry of Agriculture, Farmers, Plant Quarantine, Stakeholders	The information about the active fractions of essential oils that is expected to be more effective against stored product insect compared to their crude phase. Such an information is needed to develop formulations of essential oils that can be applied as the alternative fumigant.	GOI-DIPA	-

<p>10. Plant Growth Promoting Rhizobacteria and Lemon Grass-Based Biofungicide Effication to Control Ganoderma boninense</p>	<p>Maya Masita Novianti, M.Si Deden Dewantara E, SP Haryo Tejo Prakoso, S.Si Dr Hilman Affandi</p>	<p>1. Examine the composition of rhizosphere bacteria in the soil around the root of health palm oil trees and palm oil trees that attacked by <i>G. boninense</i> 2. Select the rhizosphere bacteria that could stimulate the growth of plants 3. Examine the response from application of biofungicide from lemongrass essential oil and plant growth promoting rhizosphere bacteria around the root of palm oil trees</p>	<p>Ministry of agriculture, farmers, scientific research</p>	<p>To find types of beneficial rhizobacteria on plant oil palm which has the potential to inhibit the growth of <i>G. boninense</i>. Application of these bacteria is expected to increase growth response from plant to inhibit the development of <i>G. boninense</i> around them, beside the application of biofungicide from lemongrass essential oil. If the integration method show a good result : integrated pest management technology to control BSR disease since in nursery</p>	<p>GOI-DIPA</p>	<p>PTPN III</p>
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<p>11. Application of HEC-GEO-HMS and SWAT Models in Upriver Flood Control of Ciliwung Watershed Upstream</p>	<p>Dr Ir Latief M. Rachman, MSc, MBA Dr Ir Yayat Hidayat, Msi Dr Ir DPT. Baskoro, MSc</p>	<p>1. Obtain an effective vegetative technology via introducing and arrangement of several kinds of plants in combination with soil conservation techniques for controlling river discharge from Ciliwung Watershed Upstream.</p> <p>2. To prove and verify technical approaches to control flood in the form of big dams (Ciawi Dam and Sukamahi Dam) and mini dams by simulating runoff retention in the form of increased depression water storage on several ways of river flow in Ciliwung Watershed upstream that feasible to be employed with feasible and acceptable cost and eliminate environmental negative impact</p> <p>3. To get comparison of effectiveness of vegetative and mechanic techniques (especially big dam and mini dam methods) for upriver flood control in Ciliwung Watershed upstream.</p> <p>4. To establish and set up strategy for implementation of simulation yields from vegetative and mechanic techniques for upriver flood control in Ciliwung Watershed Upstream to control flood in DKI Jakarta area.</p>	<p>Government official, society and stakeholder</p>	<p>1. Characteristics and dynamics of Ciliwung River stream.</p> <p>2. Effectiveness of vegetative technique and its combination with soil conservation techniques for controlling discharge of Ciliwung River stream to minimize flood in Jakarta.</p> <p>3. Effectiveness of big dam mechanic technique (Ciawi Dam and Sukamahi Dam) for controlling discharge of Ciliwung River stream to minimize flood in Jakarta.</p> <p>4. Effectiveness of mini dam mechanic technique and combination with bio-pore holes techniques for controlling discharge of Ciliwung River stream to minimize flood in Jakarta.</p> <p>5. Location and capacity of mini dams technology for controlling discharge of Ciliwung River stream to minimize flood in Jakarta.</p>	<p>GOI-DIPA</p>	<p>Department of Soil Science and Land Resources, Faculty of Agriculture, Bogor Agricultural University</p>
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12. Detection of Coral Reefs and Marine Benthic Habitat Mapping Using Hydroacoustics Technology in Seribu Island Waters	Henry M. Manik, Ph.D	To develop a methodology for effective ecosystem monitoring and mapping of tropical marine coral reefs and benthic habitat using underwater acoustic technology in Seribu Island waters. The specific objectives of this research using hydroacoustics technology are mentioned below: 1. Measuring, identifying, and mapping of coral reefs; 2. Scientifically assess the accuracy of benthic habitat maps generated using hydroacoustic method; 3. Detection, mapping, and classification of substrate/sediment and to determine the relation of substrate type and the existence or distribution of coral reef.	marine conservation and rehabilitation, marine biodiversity study, ocean policy maker, fisherman, stakeholders	It is expected that the present study could be a basis for future integrated study in assessing the coral reef and marine benthic habitat in Seribu Island waters due for ecosystem monitoring. In addition, the outcome of the present research is important for policy analysis in recovering marine ecosystem and fishery production, and adapting to ocean climate change	GOI-DIPA	Faculty of Fisheries and Marine Sciences IPB
13. Nanopropolis Soft Candy as an Aid for Dental and Oral Health	Dr Ir Akhmad Endang Zainal Hasan, M.Si Dr DVM. Agus Setiyono, MSc Dr Dr Sri Budiarti	1. Determining the formula for the has in of soft candy with nanopropolis. 2. Anticaries testing capabilities of teeth of the soft candy formula selected. 3. Test the acute toxicity of selected soft candy. 4. Provide references in the use of propolis as the active ingredient of soft candy.	Scientific research	1. A formula obtained for soft candy which is best in inhibiting the growth of S. mutans, 2. The existence of the information capabilities of nanopropolis soft candy as a natural ingredient that can inhibit the growth of microbial dental plaque, 3. The knowledge of toxic or non-toxic doses of nanopropolis in the form of soft candy	GOI-DIPA	Department of Biochemistry, IPB.

<p>14. Technical and Economical Study of Kemeyan (<i>Styrax</i> Sp.) from North Sumatera to Support Its Biological Conservation and Market Sustainability</p>	<p>Dr Apri Heri Iswanto, S. Hut, M.Si Dr Ir Supriyanto, DEA Dr Arida Susilowati, S.Hut, M.Si Irawati Azhar, S.Hut, M.Si Riswan, S.Hut, M.Si</p>	<p>1. Inventarisation and mapping distribution of <i>Styrax</i> Sp. from Tapanuli Utara 2. Genetics diversity of <i>Styrax</i> Sp. from Tapanuli Utara 3. Identification of wood and rosin quality of <i>Styrax</i> Sp. from Tapanuli Utara 4. Market analysis of <i>Styrax</i> Sp. from Tapanuli Utara</p>	<p>Farmer, scientific research, government Indonesia</p>	<p>To provide data and information on kemeyan distribution in the biggest kemeyan production centers in Indonesia (Tapanuli Utara), genetic status, its rosin and wood characters and market analysis also its opportunities. Based on biodiversity conservation aspect, in this research will support improving genetic material for kemeyan production and tropical tree conservation of genetic resources. Based on the value adding aspects to natural products, results of this study are expected to increase the added value of non productive kemeyan wood</p>	<p>GOI-DIPA</p>	<p>Faculty of Agriculture, University of Sumatera Utara</p>
<p>15 Selecting Feather Pecking Behaviours in Layer Line of Indonesian Local Chickens Based on Candidate Gene Related to Serotonergic/ Dopaminergic System to Support Food Sovereignty</p>	<p>Maria Ulfah, S.Pt., MScAgr Mawar Subangkit DVM MSi APVet Dr Rudi Afran, SPT MScAgr</p>	<p>1. To assess the FP of GP of Indonesian laying hens 2. To characterize the health and welfare status of Indonesian laying hens 3. To genotype FP disorders of Indonesian laying hens based on SNPs markers of DRD4</p>	<p>Scientific research, government Indonesia</p>	<p>1. Providing data on FP behaviour and plumage score of Indonesian laying hens, 2. Providing a convenient indirect method of measuring health and welfare status in laying hens population, 3. Genotyping data of Indonesian laying hens based on candidate gene of DRD4 that could be useful as genetic markers for further creation of the low FP and high FP line</p>	<p>GOI-DIPA</p>	<p>Faculty of Animal Science, IPB</p>

16. Applied Technology of Pressurized Liquid Extraction for Antioxidant and Anticancer Compounds from Varied Mistletoes and Its Host Plants	Siti Irma Rahmawati, S.Pi., M.Agr., Ph.D Rosy Hutami	<ol style="list-style-type: none"> 1. Optimization of PLE condition to prepare mistletoes as resources of bioactive compounds by using several treatments on solvent, time, and temperature 2. Investigation of functional properties of resulted extracts especially on antioxidant and anticancer activities 3. Comparison of bioactivities of varied mistletoe extract and its relation between mistletoe and their host plant 	Scientific research, government Indonesia	Empirical evidence of varied mistletoes as a medicinal plant to treat cancer as part of the process towards standardized herbal medicine using applied technology (PLE) that can be used easily by community. Also, finding the best activities from mistletoes extracts on antioxidant and anticancer by using the optimum condition of PLE	G01-DIPA	Djuanda University
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<p>17. Assessment of the Current Diversity, Agronomy, Physiology, and Multi-uses of Sugar Palm (<i>Arenga pinnata</i> (Wurmb.) Merr.) and Its Prospects for Plantation System Cultivation and Community-based Enterprise Development in Indonesia</p>	<p>Dr Ahmad Junaedi, M.Si Prof Dr Muhammad Romli Dr Titi Candra Sunarti Dr Ani Suryani Prof Dr Yoshinori Yamamoto Prof Akira Miyazaki Hafith Furqoni, MSc</p>	<p>To explore benefit of arenga palm as indigenous plant of tropical area especially in Indonesia for economic view by utilization of Arenga sap for sugar and ethanol, fruit and starch production, and any possible uses of all parts of arenga plant, as well as ethnobotanical studies of its role in culture as local wisdom and sustainable ecology.</p>	<p>Scientific research, government Indonesia</p>	<p>1. The results of this research will contribute to economic added value of this "minor crops". By this study, keys information on how the potency of some products of this plant: wood/fibre, sugar, bio-ethanol, starch, etc., will contribute to the economic activity of local community, as well as its potency for commercialization scale agribusiness.</p> <p>2. The result could also be used for making a recommendation to government as well as to the farmer and investor in order to make a planning and strategy for germ plasm conservation, and to expand as potential crops for economy purposes as well as for agroforestry program and/or land reclamation especially for river basin area.</p>	<p>GOI-DIPA</p>	<p>Bogor Agricultural University, Research Center for Bioresources and Biotechnology</p>
				<p>3. The important thing that may contribute by the result of this research project is to make harmonization between utilization and sustainable management of this natural resources. Since studies and publication on sugar palm are still very rare, the documentation of this research as a book will give great contribution to international stakeholders that may interest on this prospective plant.</p>		

18. Characterization and Development of Indigenous Vegetables to Enhance People's Health and Livelihood in Indonesia	Dr Awang Maharjaya, SP, M.Si Dr Ir Anas D. Susila, MSI	<ol style="list-style-type: none"> 1. To inventories, to explore, to characterize and to select the most fit indigenous vegetables varieties developed by PKHT IPB to be disseminated to farmer and market 2. To develop good agricultural practices of selected indigenous vegetables, from the seed technology, field production, integrated pest management, fresh handling, storage, and transportation to market 3. To increase consumers' awareness about the importance and the benefits of indigenous vegetables for health 4. To increase the livelihood of local farmers by helping them to sell their high quality indigenous vegetable product to modern market 	Scientific research, government Indonesia	<ol style="list-style-type: none"> 1. More characterized and structured collection of indigenous vegetables as source of breeding toward high yielding and high adaptation variety 2. High yielding variety and/or its candidates that can be used by farmers 3. Agribusiness initiation for indigenous vegetables from seeds to modern market 4. The availability of several indigenous vegetables in modern market with higher price 	G0I-DIPA	Center of Tropical Horticulture Studies, Bogor Agriculture University
19. Application Of Molecular Genetic For Javan & Sumatran Rhino Monitoring And Preparation For Establishment Second Population	Dr Dedy Duryadi Solihin, DEA Dr Muhammad Agil Prof Dr Bambang Purwantara Prof Dr Cece Sumantri	<ol style="list-style-type: none"> 1. Surveying the individual variation through genetic fingerprint pattern and their sexing of Javan Rhino population in Ujung Kulon National Park, West Java; 2. Exploring spacial distribution of individual based on genetic fingerprint data and sexing; 3. Establishing paternity of population member based on genetic fingerprint data of mitochondrial control region and sexing; 4. Identifying founder for second population based on genetic distance relationship. 	Scientific research, government Indonesia	<p>These data, along with additional data from nuclear genes, will provide a genetic foundation that combine with other non-genetic data. Consequently, they will enhance the prospects of recovery of this highly endangered mammal.</p>	G0I-DIPA	Faculty of Mathematics and Natural Sciences, IPB

20. Assessing Ecological Services and Food Security Potentials of Agroforestry Landscapes in Southeast Asia: Case of Makiling Forest Reserve in the Philippines and way Betung Watershed in Indonesia	Dr Christine Wulandari Dr Pitojo Budiono Reynaldo A. Comia Leila D. Landicho Rowena Dicolen-Cabahug Catherine C De Luna Romnick S Balliton Susni Herwanti, S.Hut., M.Si Rusita, S.Hut., M.P	To generate empirical evidences about the potentials of agroforestry landscape in ensuring community welfare (via improved socioeconomic conditions), and enhancing ecological stability in the selected agroforestry landscapes in Indonesia and the Philippines	Scientific research, government Indonesia	1. Characterize the different agroforestry systems/models that are being practiced by the smallholder farmers within the landscape; 2. Determine the potentials of agroforestry in ensuring food security of the communities within the landscape in terms of stability, availability, accessibility, and utilization; 3. Assess agrobiodiversity of the agroforestry farms within the landscape; 4. Measure the carbon sequestration potentials of the different agroforestry systems	GOI-DIPA	PAPERN-INAFE
E. Completed National Research Project form PhD Thesis Support Grantees						
1 Genetic Diversity of Snail Abalone in Indonesia	Syamsul Bachry, H	To determine the genetic diversity of snails Abalone (<i>Haliotis</i> spp.) with markers Cytochrome Oxidase I (COI) and Cytochrome b (Cyt b) in Indonesia.	Scientific research, government Indonesia	To help clarify the identity and grouping abalone species in Indonesia. With Identity clear abalone can provide information about the program management and conservation professionals.	GOI-DIPA	Faculty of Mathematics and Natural Sciences, IPB
2 Diversity Analysis and DNA Barcode for Ensuring the Identification of Mistletoe Parasitizing Teak In Clonal Seed Orchard (Cso) Padangan, East Java Regional Division of Perum Perhutani	Ir Zainal Muttaqin, MP Prof Dr Ir Sri Wilarso Budi R, MS Dr Ir Basuki Wasis, MS Prof Dr Ir Iskandar Z. Siregar, MForSc Dr Ir Corryanti, MSi	1. To find DNA Analysis for parasitic plant (mistletoe) diversity on a stand of teak, 2. To Ensuring identification result (morphological) of parasitic plant (mistletoe) at teak using DNA Barcode method other of traditional taxonomy identification.		The level of diversity and identification result of parasitic plant (mistletoe) on teak by using DNA Barcode stored in GenBank, BOLD.	GOI-DIPA	Forestry Faculty, IPB

3	Effects Of Red Dragon Fruits Powder (<i>Hylocereus polyrhizus</i>) and Swimming Exercise to Inflammation markers, Oxidative stress, and Physical Fitness on Male Obesity Rats (Sprague dawley)	Tonny Cortis Maigoda	<ol style="list-style-type: none"> To process and formulate local red dragon fruits become powder as an ingredient functional food and source of antioxidant To determine the content of antioxidant and other nutrients on red dragon fruit powder To analyze the effect of red dragon fruit powder to inflammation markers, oxidative stress, and physical fitness To analyzethe effect swimming exercise to inflammation markers, oxidative stress and physical fitness To analyze the effects red dragon fruit powder and swimming exercise to inflammation markers, oxidative stress and physical fitness To observe the effects red dragon fruits powder and swimming exercise in the distribution of plaque artheroma and fat depository in the liver organ of rats 	Government, social community	To develop red dragon fruits powder as an ingredient based on functional food to become mix-food or any other product that is contained a source of antioxidant	G0I-DIPA	Human Ecology Faculty, IPB
7	Land Use Planning Model Using Institutional Approach In Ciliwung Watershed	Tri Ratna Saridewi, S.Pi. M.Si	<ol style="list-style-type: none"> To define the server and user of environmental services To analyze the amount of compensation for environmental services To analyze the institutional mechanism to develop payment for environmental services scheme To develop land use model of Ciliwung watershed 	Government, social community	<ol style="list-style-type: none"> Server and user of environmental services are define The amount of environmental services (compensation) of DKI Jakarta or Central Government to the upstream region is define Institutional of Payment for environmental services scheme Land use model of Ciliwung Watershed using payment for environmental services framework 	G0I-DIPA	Faculty of Economic and Management, IPB

F. Completed National Research Project form YEO Grant Project

1	SERINCIL "Sekolah Rimbawan Kecil" is a non-formal school based on Environment Conservation Education	Zahra Firdausi Anisatul Farikhah Brigita Laura Fatria Tanti Venny P Rahmi Intan M. Fachri Muttaqien	1. To introduce tourism objects, flora, fauna, and environmental services potentials in Mount Halimun Salak National Park 2. To increase local people's conservation knowledge, awareness, and participation through conservation education which make use of local resources, local wisdom, and Mount Halimun Salak National Park's resources in developing conservation education learning subjects, media, and methods. 3. To develop children's potential through naturalist intelligence, linguistics intelligence, visual-spatial intelligence, music intelligence, kinetics-body intelligence, interpersonal intelligence and intrapersonal intelligence. 4. To increase local people's ability in term of their skills for utilizing and trading natural resources through training	Government, social community	1. SERINCIL as a place for non formal conservation education and model in developing conservation education in conservation areas. 2. Establishment of a non formal school that attracts children to nature conservation. 3. The increase of children's and other community member's awareness and responsibility toward nature and environment. 4. The increase of local people's skill in utilizing natural resources. 5. The increase of local people's understanding about their responsibility in the conservation of natural resources.	GOI-DIPA	Forestry Faculty IPB
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6	Urban Farming as a Solution for Urban Green Life	Eka Purna Yudha, SP, M.Si Resa Ana Dina, SKM, M.Epid Andi Oktoriana, SP, MM	<ol style="list-style-type: none"> To Create an environment densely populated urban become more beautiful, healthy and clean; Apply the concept of urban farming and the hanging garden in dense urban neighborhoods. Provide economic and environmental benefits from the implementation of urban farming and hanging garden to the public in congested urban elected. 	Government, social community	Achieving Efficiency of utilization of green space and dense residential housing and economic benefits optimally as urban farming land.	GOI-DIPA	Yayasan Muslim Cendekia Bogor
4	Co-Agroforest Village: Tropical Herbagroculture and Eco-Schools	Achmad Solikhin Mega Fitria Baskoro Pakusadewo Ummu Ma'rifah Angga Dwi Indrianto Mutiarra Niken Muhammad Iqbal Firdausi Hany Zuyyinah L Orita Mega Delani	<ol style="list-style-type: none"> To help local community in Cihideung Ilir-Bogor to develop Tropical Herbagroculture enterprise, To implement eco-schools at SDN Bojong and SDN Cihedeung Ilir I, To get involved children, youths and local communities to tackle environmental problems and to achieve SDGs. 	Government, farmers, social community	<ol style="list-style-type: none"> Establish at least a tropical herbagroculture enterprise and two eco-schools Increase local environmental awareness of children, youths and communities in Cihideung Ilir-Bogor. 	GOI-DIPA	IGAF

Appendix 2. List of post and undergraduate students who conducted researches, internships and on-the-job trainings at SEAMEO BIOTROP during FY 2015/2016

A. Research

No.	Name	Institution and Level	Research Title	Unit Affiliated With	Supervisor
1	Rahmawanti Octavia Putri	Faculty of Engineering, Brawijaya University (S1)	Optimasi karakteristik Briket Limbah Baglog Jamur Tiram Putih (<i>Pleurotus ostreatus</i>) Dengan Kombinasi Perekat Gypsum (CaSO ₄) dan Tepung Kanji berbasis Respon Surface Methodology (Optimization of Brick's Characteristics from White Oyster Mushroom (<i>Pleurotus ostreatus</i>) Baglog's Waste with Combination of Adhesives Gypsum (CaSO ₄) and Starch based on Respon Surface Methodology)	Product Development and Services Department	Samsul A. Yani, S.Si
2	Retno Dewi Prasetyani	Faculty of Agriculture, Bogor Agricultural University (S1)	Uji Efek Fumigan Minyak Atsiri Biji Pala, Kapulaga dan Cengkih terhadap <i>Oryzaephilus mercator</i> Fauv (Coleoptera: Silvanidae) (Testing of Fumigants Effect of Nutmeg, Cardamom, and Cloves Essential Oils against <i>Oryzaephilus mercator</i> Fauv (Coleoptera: Silvanidae))	Entomology Laboratory	Ir. Sri Widayanti
3	Esthi Liani Agustiani	Faculty of Forestry, Bogor Agricultural University (S1)	Kultur Jaringan Tanaman Saninten (<i>Castanopsis argentea</i>) (Tissue Culture of Saninten (<i>Castanopsis argentea</i>))	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
4	Anisatul Farikhah	Faculty of Forestry, Bogor Agricultural University (S1)	Kultur Jaringan Tanaman Benuang Dini (<i>Octomeles sumatrana</i>) (Tissue Culture of Benuang Dini (<i>Octomeles sumatrana</i>))	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
5	Ahmad Muhidin	Faculty of Mathematics and Science, Brawijaya University (S1)	Pengembangan Teknologi Hayati Bakteriofag dari Lumpur Sidoarjo untuk Mengendalikan Bakteri <i>Erwina carotovora</i> Penyebab Penyakit Busuk Lunak Umbi Kentang (Developing Biological Technology for Bacteriophages of Sidoarjo's Mud to Control Infectious of Bacterial <i>Erwina carotovora</i> on Potato)	Biotechnology Laboratory	-
6	Abdonia W. Finmeta	Faculty of Forestry, Bogor Agricultural University (S2)		Mycorrhiza and Tissue Culture Laboratory	Dr. Irdika Mansur

7	Kartika Megawati	Faculty of Forestry, Bogor Agricultural University (S2)		Mycorrhiza and Tissue Culture Laboratory	Dr. Irdika Mansur
8	Muhamad Adi Nugraha	Djuanda University (S1)	Daya Repellent Ekstrak Daun Saliara (<i>Lantana camara</i> L.) dan Daun Kipahit (<i>Tithonia diversifolia</i> Hemsley A. Gray) pada Hama Gudang <i>Callosobruchus chinensis</i> L. (Repellent Strength of Saliara (<i>Lantana camara</i> L.) and Kipahit's Leaves' Extract (<i>Tithonia diversifolia</i> Hemsley A. Gray) on Pest of Stored-Products <i>Callosobruchus chinensis</i> L.)	Entomology Laboratory	Ir. Sri Widayanti
9	Josua Crystovel Pangihutan S.	Djuanda University (S1)	Daya Insektisida Ekstrak Daun Kipahit (<i>Tithonia diversifolia</i> (Hemsley) A. Gray) dan Tembelean (<i>Lantana camara</i> L) terhadap Hama Gudang <i>Callosobruchus maculatus</i> F. (Efficacy of Insecticide Extracted from Kipahit (<i>Tithonia diversifolia</i> (Hemsley) A. Gray) and Tembelean (<i>Lantana camara</i> L) Leaves Against Pest of Stored-Products <i>Callosobruchus maculatus</i> F.)	Entomology Laboratory	Ir. Sri Widayanti
10	Novalya Chandra	Faculty of Forestry, Bogor Agricultural University (S2)	Pemanfaatan Fungsi Mikoriza Arbuskula (FMA) untuk Meningkatkan Pertumbuhan Bibit Kabau (<i>Archidendron microcarpum</i> (Beth.) T.C. Nielsen) (Utilization of Arbuscular Mycorrhiza Fungi (AMF) to Improve Growth of Kabau (<i>Archidendron microcarpum</i> (Beth.) T.C. Nielsen) Seeds)	Silviculture Laboratory	Dr. Ir. Supriyanto
11	Verawati	Dept. of Biology, Faculty of Mathematics and Science, Bogor Agricultural University (S1)	Induksi Kalus Rumpuk Laut (<i>Gracilaria verrucosa</i>) Menggunakan Zat Pengatur Tumbuh Indol Acetic Acid dan Benzyl Amino Purine secara in Vitro (In Vitro Callus Induction of Seaweed (<i>Gracilaria verrucosa</i>) using Plant Growth Regulator Indol Acetic Acid and Benzyl Amino Purine)	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
12	Octaviani	Faculty of Forestry, Bogor Agricultural University (S1)	Pengaruh Prosedur Sterilisasi terhadap Perbanyakan Sengon Solomon yang Berasal dari Tanaman Dewasa secara in Vitro (Effect of In Vitro Sterilization Procedures Against Propagation of Sengon Solomon Derived from Adult Plant)	Biotechnology Laboratory	Dr. Ir. Ulfah Juniarti Siregar
13	Nofri Yanti	Faculty of Forestry, Bogor Agricultural University (S1)	Penyusunan Pustaka Genom pada Sengon (Development of Genome Library on Sengon)	Biotechnology Laboratory	Dr. Ir. Ulfah Juniarti Siregar

14	Maisyatul Maghfiroh	Faculty of Agricultural Engineering, Brawijaya University (S1)	Pendugaan Umur Simpan Kripik Jamur Tiram (<i>Pleurotus ostreatus</i>) dengan Metode Akselerasi Berdasarkan Kadar Air Kritis Serta Pendekatan Kurva Sorpsi Isothermis (Shelf-Life Estimation of Oyster Mushroom Chips using Acceleration Method based on Critical Moisture Content and Moisture Sorption Isotherm's Curve)	Biotechnology Laboratory	Erina Sulistiani, M.Si
15	Ayuningtyas Utami	Jayabaya University (S1)	Audit Internal SMK3 (Interna Audit of SMK3)	Services Laboratory	Santi Ambarwati, M.Si.
16	Kamila Ferlandina	Dept. of Plant Protection, Faculty of Agriculture, Bogor Agricultural University (S1)	Efek Fumigan Minyak Atsiri Daun Serai (<i>Cymbopogon citratus</i>) dan Kulit Batang Kayu Lawang (<i>Cinnamomum cullilawan</i>) terhadap Imago <i>Callosobruchus maculatus</i> (F) (Fumigants Effect of Lemongrass (<i>Cymbopogon citratus</i>) and Kayu Lawang (<i>Cinnamomum cullilawan</i>) Barks Essential Oils against Imago of <i>Callosobruchus maculatus</i> (F))	Entomology Laboratory	Dr. Idham Sakti Harahap
17	Aditya Wardani	Faculty of Forestry, Bogor Agricultural University (S2)	Pertumbuhan Minda (<i>Melia azedarach</i>) dalam Sistem Agroforestri dengan Kedelai (Growth of Minda (<i>Melia azedarach</i>) in Agroforestry System with Soybean)	Natural Product Laboratory	Dr. Supriyanto
18	Arifa Mulyesthi R.	Faculty of Forestry, Bogor Agricultural University (S2)	Pertumbuhan Sentang (<i>Azadirachta excelsa</i>) dalam Sistem Agroforestri dengan Kedelai (Growth of Sentang (<i>Azadirachta excelsa</i>) in Agroforestry System with Soybean)	Silviculture Laboratory	Dr. Supriyanto
19	Roisatuz Zakiyah	Faculty of Forestry, Bogor Agricultural University (S2)	Karakterisasi Morfologi dan Molekuler Sengon (<i>Paraserianthes falcataria</i>) Hasil Radiasi Sinar Gamma (Morphology and Molecular Characteristics of Sengon (<i>Paraserianthes falcataria</i>) Gamma Irradiated)	Biotechnology Laboratory	Dr. Ir. Ulifah Juniarti Siregar
20	Aprilia Damayanti	Faculty of Forestry, Bogor Agricultural University (S1)	Keragaman Genetik Sengon (<i>Paraserianthes falcataria</i>) yang Terinfeksi Hama Boktor (<i>Xystrocera festiva Pascoe</i>) Berdasarkan Penanda Mirosatelit (Genetic Variety of Sengon (<i>Paraserianthes falcataria</i>) Infected Boktor (<i>Xystrocera festiva Pascoe</i>) based on Microsatellite Marker)	Biotechnology Laboratory	Lab Biotek

21	Oktaviani	Faculty of Forestry, Bogor Agricultural University (S1)	Pengembangan Metode Sterilisasi Kultur Jaringan Sengon Dari Tunas Aksilar (Development of Tissue Culture Sterilization's Method for Axillary-shoot of Sengon)	Biotechnology Laboratory	Lab Biotek
22	Pinka Nurulia Asterina	Faculty of Forestry, Bogor Agricultural University (S1)	Efektivitas Penggunaan Potongan Akar Bermikoriza Sebagai Inokulum Mikoriza untuk Tanaman Sengon (<i>Paraserianthes falcataria</i> L. Nielsen) (Effectiveness of Root Fragments Contained Mycorrhiza as Mycorrhizal Inoculum for Sengon (<i>Paraserianthes falcataria</i> L. Nielsen))	Silviculture Laboratory	Dr. Irdika Mansur
23	Yaumil L. Imani	Faculty of Engineering, University of Indonesia (S1)	Studi Penurunan Merkuri dalam Air Limbah Panas Bumi dengan Menggunakan Kitosan (Reducing Mercury Contents in Water of Geothermal Waste by Using Chitosan)	Plant and Soil Laboratory	Arif Nuryadin, B.Sc
24	Steffani Silferansti T	Faculty of Forestry, Bogor Agricultural University (S2)		Silviculture Laboratory	Dr. Irdika Mansur
25	Abdul Mubaraq Irfan	Faculty of Agriculture, Bogor Agricultural University (S2)	Efikasi Fumigan Amonia terhadap Rayap Kayu Kering (<i>Cryptotermes cynocephalus</i>) pada Kayu Sengon (Fumigants Efficacy of Ammonia Against Termite (<i>Cryptotermes cynocephalus</i>) on Sengon Woods)	Entomology Laboratory	Dr. Idham Sakti Harahap
26	Sarah Nursaidah	Faculty of Mathematics and Science, Pakuan University (S1)	Pemanfaatan Tepung Tomat (<i>Solanum lycopersicum</i>) Sebagai Bahan Pengencer semen Terhadap Motilitas Spermatozoa kambing Perawakan Etawa (PE) (Application of Tomato Flour (<i>Solanum lycopersicum</i>) for Diluent Material of Semen Against Sperm Motility of Etawa)	Natural Product Laboratory	Dr. Supriyanto

B. Internship and On-the-Job Training

No.	Name	Institution and Level	Activity	Unit Affiliated With	Supervisor
1	Cut Tari Oktaviani	SMK Terpadu Al Ittihad	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
2	Ayuni noviati	SMK Terpadu Al Ittihad	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si
3	Lutfhi Awaliah	SMK Terpadu Al Ittihad	Aflatoxin Testing	Food and Feed Laboratory	Ratnaningsih, S.Si
4	Jane Arsie	SMK AK Nusa Bangsa	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
5	Mauldio Utama	SMK AK Nusa Bangsa	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
6	Mutia Noviasya	SMK AK Nusa Bangsa	Aflatoxin Testing	Food and Feed Laboratory	Ratnaningsih, S.Si
7	Tamara Rilanda Kirani	SMK AK Nusa Bangsa	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si
8	Ferdiansyah Hasibuan	IPB D3 Analisis Kimia	Waste Management	Services Laboratory	Santi Ambarwati, M.Si
9	Zulaeha	IPB D3 Analisis Kimia	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si
10	Nurhilyah Aliah	IPB D3 Analisis Kimia	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si
11	Muhammad Rizal Wahyu Ramadhan	IPB D3 Prog Keahlian Teknik dan Manajemen Lingkungan	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
12	Maisyatul Maghfiroh	Univ. Brawijaya Fak. Pertanian (S1)	Mushroom Cultivation	Product and Development Services Department	Samsul A. Yani, S.Si.
13	Anis Wahdati	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
14	Mega putri	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
15	Vina Septiana	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
16	Syifa Khoirunnisa	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
17	Encji Mexica Vonix P	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
18	Monica Lestari	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
19	Rizki Prima Zen	Univ. Pakuan FMIPA (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
20	Faulenly	Univ. Pakuan FMIPA (S1)	Storage Pest	Entomology Laboratory	Ir. Sri Widayanti
21	Fathatus Saadah	Univ. Pakuan FMIPA (S1)	Waste Management	Services Laboratory	Santi Ambarwati, M.Si

22	Sany Novianty	SMK Wikrama	Office Administration	Human Resources Management Department	Yunita, SP.
23	Fitri handayani	SMK Wikrama	Office Administration	General Administration and Public Relation Department	Lidia Defitta, S.Kom
24	Sonia Febriyanti Kurniawan	SMK Wikrama	Office Administration	Facility Management Department	Lastiah
25	Ayu Eka Hapsari Qomariah	SMK Wikrama	Office Administration	Procurement UNIT	Riana Hartati, S.Si.
26	Putri Awalita Febriyani	SMK Wikrama	Office Administration	Finance Administration Department	Supriyatno, A.Md.
27	M. Agus Kurniawan	SMK N 1 Pangkalan Kuras	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
28	Muhammad Ihsan	Univ Brawijaya (S1)	Forest Plant Nursery	Product and Development Services Department	Samsul A. Yani, S.Si.
29	Indra Julianis Sihombing	Univ Brawijaya (S1)	Forest Plant Nursery	Product and Development Services Department	Samsul A. Yani, S.Si.
30	Ayu Soekardi	Univ Brawijaya (S1)	Forest Plant Nursery	Product and Development Services Department	Samsul A. Yani, S.Si.
31	Ruth Saurmaria Malau	Univ Brawijaya (S1)	Forest Plant Nursery	Product and Development Services Department	Samsul A. Yani, S.Si.
32	Zahrotul Chayati	Univ Brawijaya (S1)	Forest Plant Nursery	Product and Development Services Department	Samsul A. Yani, S.Si.
33	lis Anjani	SMK N 1 Cikalongkulon	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
34	Rida Siti Halimatu Sadiyyah	SMK N 1 Cikalongkulon	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
35	Sri Tian Juniantini	SMK N 1 Cikalongkulon	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
36	Siti Aisah	SMK N 1 Cikalongkulon	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
37	Syawal Kurniady Akbaraja	SMK YMA Megamendung	Office Administration	Product and Development Services Department	Manik Hasri, SH
38	Muhammad Rafliansyah	SMK YMA Megamendung	Office Administration	Product and Development Services Department	Manik Hasri, SH
39	Hesty	SMK YMA Megamendung	Office Administration	Product and Development Services Department	Nopi Ramli

40	Yesi Oktaviani	SMK YMA Megamendung	Office Administration	Indonesia Biotechnology Information Centre	Dewi Suryani
41	Reza Muliawan	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
42	Mukhammad Fariz A	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
43	Sukmawan Markhaid P	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
44	Ilyas Mahendra Amlil	SMK Negeri 63 Jakarta	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
45	Ahmad Muhidin	Universitas Brawijaya (S1)	Storage Pest	Entomology Laboratory	Ir. Sri Widayanti
46	Dr. Zozy Aneloi Noli	UPT Sumber Daya Hayati Univ. Andalas (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
47	Widya Rahmawati	UPT Sumber Daya Hayati Univ. Andalas (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
48	Ulet Putri Hayati	UPT Sumber Daya Hayati Univ. Andalas (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
49	Ali M. Muslih	IPB Fahatan (S1)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
50	Fitriyanti Rahmawati	SMKN 4 Bogor	Technique of Computer Network	Knowledge Management Department	Lukman Haris, S.Si.
51	Lilis Eliana	SMKN 4 Bogor	Technique of Computer Network	Knowledge Management Department	Lukman Haris, S.Si.
52	Darussalam	SMKN 4 Bogor	Technique of Computer Network	Knowledge Management Department	Lukman Haris, S.Si.
53	Shubhi Mahma Shony	SMKN 1 Karimunjawa	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
54	Khotibul Umam	SMKN 1 Karimunjawa	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
55	Selamet Riyanto	SMKN 1 Karimunjawa	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
56	Jodi Irawan	SMKN 1 Karimunjawa	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
57	Reno Elsamoa	SMKN 1 Karimunjawa	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
58	Egik Arjunianto	SMKN 1 Karimunjawa	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
59	Fadel Utama	SMAK Bogor	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
60	Raka Syifa Dzaki	SMAK Bogor	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
61	Vidya Suci Karuniawati	SMAK Bogor	Waste Management	Air and Water Laboratory	Budi cahyadi, S.Si.
62	Restu Detiana Putri	SMAK Bogor	Aflatoxin Testing	Food and Feed Laboratory	Ratnaningsih, S.Si.

63	Ratna Yulianti, S.St,Pi	Balai Perikanan Budidaya Air Payau Situbondo	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
64	Bagus Satria Rahma Dhani, A.Md	Balai Perikanan Budidaya Air Payau Situbondo	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
65	Teguh Islah P	SMK Bina Informatika	Technique of Computer Network		Knowledge Management Department	Peri Siantuni
66	Ir. ETTY Ekawaty, MP	P4TK Pertanian Cianjur	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si
67	Prima Agung Prihandono, SP, M.Si	P4TK Pertanian Cianjur	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si
68	Ari Budiharto, S.Hut., M.Si	P4TK Pertanian Cianjur	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si
69	Udin Suprajat, S.St	P4TK Pertanian Cianjur	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si
70	Maria Trisia Sunartini	P4TK Pertanian Cianjur	Plant Tissue Culture	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si
71	Muh. Zulfikar Iqbal	Univ. Andalas (S1)	Pemetaan Sebaran Lokasi Sumur Re-sapan di Pasaman barat Menggunakan Sistem Informasi Geografis (<i>Mapping of Distribution of Infiltration Wells Location in Pasamana Barat using Geographic Information System</i>)		Knowledge Management Department	Armaiki Yusmur, S.Si.
72	Wais Fajri	Univ. Andalas (S1)	Pemetaan pola Aliran Air Tanah di Kota Padang (<i>Mapping of Groundwater flows in Kota Padang</i>)		Knowledge Management Department	Armaiki Yusmur, S.Si.
73	Jendrialdi	Univ. Andalas (S1)	Pemetaan Perencanaan Pengembangan Kawasan Organik di Sukabumi Nagari Lubuk Gadang Kab. Solok Selatan (<i>Mapping of Spatial Plan for Organic Agriculture Area in Sukabumi Nagari Lubuk Gadang, Solok Selatan Regency</i>)		Knowledge Management Department	Armaiki Yusmur, S.Si.
74	Fauzan Ramadhana Uthami	Univ. Andalas (S1)	Analisis Spasial Potensi kuantitas Relatif Air Tanah pada DAS di Kota Padang (<i>Spatial Analysis of Groundwater Potential at Watershed Area in Padang City</i>)		Knowledge Management Department	Armaiki Yusmur, S.Si.

75	Rikki Fernando S	Univ. Andalas (S1)	Identifikasi Kekritisian Lahan di DAS Kota Padang (<i>Identification of Degraded Lands at Watershed Area in Padang City</i>)	Knowledge Management Department	Armaiki Yusmur, S.Si.
76	Eki Burtanis	Univ. Andalas (S1)	Analisis Keterlibatan Air Embung Baboy untuk Lahan Sawah Serta Peta Penyebar Air irigasinya (<i>Analysis of Carrying Capacity of Baboy Reservoir for Ricefield and Its Irrigation Networks</i>)	Knowledge Management Department	Armaiki Yusmur, S.Si.
77	Ridho Pratama Hendri	Univ. Andalas (S1)	Identifikasi Potensi kekeringan Wilayah Tanah Datar dengan Teknik Pengindraan jauh dan Sistem informasi Geografis (<i>Identification of Potential of Drought in Tanah Datar using Remote Sensing and Geographic Information System</i>)	Knowledge Management Department	Armaiki Yusmur, S.Si.
78	Siti Juariah	SMK Ranti Mula	Office Administration	Procurement Unit	Riana Hartati, S.Si.
79	Siti Marlina	SMK Ranti Mula	Office Administration	Human Resources Management Department	Junaeddy
80	Kustina	SMK Ranti Mula	Office Administration	Research Administration Department	Risa Rosita, S.Si
81	Nurul Oktaviani	SMK Ranti Mula	Office Administration	General Administration and Public Relation Department	Lidia Defita
82	Aldi	SMK Ranti Mula	Office Administration	Product and Development Services Department	Nopi Ramli
83	Rendra Catur Sukersa	SMK Ranti Mula	Office Administration	Product and Development Services Department	Maniik Hasri
84	Egi Trinugraha	Univ. Sultan Ageng Tirtayasa (S1)	Budidaya tanaman Selada (<i>Lactuca sativa</i>) secara Hidroponik dengan System NFT (<i>Nutrient Film Technique</i>) (<i>Cultivation of Lettuce (Lactuca sativa) using NFT (Nutrient Film Technique) Hydroponic System</i>)	Hydroponic Unit	Riana Hartati, S.Si.

85	Pebriawan	Univ. Sultan Ageng Tirtayasa (ST)	Budidaya Tanaman Bayam Hijau (<i>Amaranthus tricolor</i>) secara Hidroponik dengan System NFT (<i>Nutrient Film Technique</i>) (<i>Cultivation of Green Spinach (Amaranthus tricolor) using NFT (Nutrient Film Technique) Hydroponic System</i>)	Hydroponic Unit	Riana Hartati, S.Si.
86	Tiffany Lestari	Univ. Sultan Ageng Tirtayasa (ST)	Uji Biologis Hama Gudang Kumbang (<i>Tribolium castaneum</i> Herbst) (<i>Stored-Pest Biological Testing of Beetle (Tribolium castaneum Herbst)</i>)	Entomology Laboratory	Ir. Sri Widayanti
87	Wiwit Noviyanti	Univ. Sultan Ageng Tirtayasa (ST)	Efek Fumigan Minyak Atsiri Pala terhadap <i>Sitophilus zeamais</i> (<i>Fumigant Effect of Nutmeg Essential Oil Against Sitophilus zeamais</i>)	Entomology Laboratory	Ir. Sri Widayanti
88	Rijal Waliden	Univ. Sultan Ageng Tirtayasa (ST)	Efek Fumigan Minyak Atsiri Kayu Manis terhadap Serangga <i>Tribolium castaneum</i> (<i>Fumigant Effect of Cinnamon Essential Oil Against Tribolium castaneum</i>)	Entomology Laboratory	Ir. Sri Widayanti
89	Ahmad Nurul Huda	SMK Negeri 1 Batealit Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
90	Nurul Aslimah	SMK Negeri 1 Batealit Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
91	Sri Endang Lulito Sari	SMK Negeri 1 Batealit Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
92	Yulita Seven nanda	SMK Negeri 1 Batealit Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
93	Nia Sri Dwi Astutik	SMK Negeri 1 Batealit Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
94	Muhamad Diki Asyari	SMK GEO INFORMATIKA	Identifikasi Pemetaan Biodiversiti Tanaman di Kampus BIOTROP (<i>Identification and Mapping Plant Biodiversity at BIOTROP Campus</i>)	Knowledge Management Department	Harry Imantho, M.Sc

95	Syarief Hidayatulloh	SMK GEO INFORMATIKA	Identifikasi Pemetaan Biodiversiti Tanaman di Kampus BIOTROP (<i>Identification and Mapping Plant Biodiversity at BIOTROP Campus</i>)	Knowledge Management Department	Harry Imantho, M.Sc
96	Rochayati	SMK AMALIAH 2	Office Administration	Procurement Unit	Riana Hartati, S.Si
97	Wakidah Rahmah	SMK AMALIAH 2	Office Administration	Finance Administration Department	Supriyatno, A.Md
98	Siti Edeniah	SMK AMALIAH 2	Office Administration	Facility Management Department	Siti Lastiah
99	Ir. Hj. Nurrohma MP	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
100	Endah Novitarini S.Tp, M.Si	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
101	Fifit Apriliah	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
102	Eni Hartati	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
103	Zakaria	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
104	Ulfa	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
105	Dyna Hermida	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
106	Tiara Permata	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
107	Eva Astrea	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
108	M. Kamil	Univ Sjakhyakirti (Dosen)	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A. Yani, S.Si.
109	Ernovia Dwi A	Akademi Kimia Analisis (D3)	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si.
110	Riska Nuramalia	Akademi Kimia Analisis (D3)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
111	Fariz Kukul Harwinda	Univ Airlangga (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sullistiani, M.Si.
112	Pratiwi Widayastuti	Univ. Jenderal Soedirman (S1)	Aquaponic Cultivation	Aquaponic Unit	Wina Febrianti, S.Pi
113	Putri Emylia Agustina	Univ. Jenderal Soedirman (S1)	Aquaponic Cultivation	Aquaponic Unit	Wina Febrianti, S.Pi
114	Rindira Mauliana Ratri	Univ. Jenderal Soedirman (S1)	Aquaponic Cultivation	Aquaponic Unit	Wina Febrianti, S.Pi
115	Muslim	Kelurahan CITAPEN	Mushroom Cultivation	Mushroom Unit	Sugih mukti
116	Syahroni	Kelurahan CITAPEN	Mushroom Cultivation	Mushroom Unit	Sugih mukti
117	Mistar	Kelurahan CITAPEN	Mushroom Cultivation	Mushroom Unit	Sugih mukti

118	Syawaludin	Kelurahan CITAPEN	Mushroom Cultivation	Mushroom Unit	Sugih mukti
119	Eko Mulyono	Kelurahan CITAPEN	Mushroom Cultivation	Mushroom Unit	Sugih mukti
120	Chindy Ayu Eriana	Univ. Jenderal Soedirman (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
121	Restu Indria Sopyan	Univ. Jenderal Soedirman (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
122	Eulis Husnul Karomah	Univ. Jenderal Soedirman (S1)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
123	Veghy Nur Salindhry	Univ. Jenderal Soedirman (S1)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
124	Febrisky Sannova Sihombin	IPB Analis Kimia (D3)	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si.
125	Lu'lu Ujjannah	IPB Analis Kimia (D3)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
126	Aidilia Rahma Sari	UIN Sultan Syarif Kasim Riau (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
127	Putri Ramadhani	UIN Sultan Syarif Kasim Riau (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si.
128	Baius Salam	IPB Teknik Komputer (D3)	Technique of Computer Network	Capacity Building Department	Slamet Widodo, S.Si.
129	Adhitya Wibowo	IPB Teknik Komputer (D3)	Technique of Computer Network	Capacity Building Department	Slamet Widodo, S.Si.
130	Muhammad Ripqi Lubis, S.P., M.Si.	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Samsul A.Yani, S.Si. & Riana Hartati, S.Si.
131	Eva Warsa Nugraha, S.P.	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Samsul A.Yani, S.Si. & Riana Hartati, S.Si.
132	Ernovia Dwi A	Akademi Kimia Analisis (D3)	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si.
133	Julia Danhariasti	Akademi Kimia Analisis (D3)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
134	Putu Dewi Purnama	Sekolah Tinggi Perikanan Pasar Minggu (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
135	Arofah Lyla Nurhayati, S.Si	Balai Besar Perikanan Budidaya Air Payau Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
136	Suyoto	Balai Besar Perikanan Budidaya Air Payau Jepara	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
137	Tahniah Syafril	Akademi Kimia Analisis (D3)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc.
138	Yunindiatama Sagiri	Akademi Kimia Analisis (D3)	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si.
139	Melinda Mirania Lubis	PT SMART, Tbk	Library Management	Knowledge Management Department	Woro K. Darmastuti, M.Si.

140	Andika Muh. Ramadhan	SMK Bhakti Insani Kota Bogor	Office Administration	Knowledge Management Department	Peri Siantuni
141	Dian Pratiwi	SMK Bhakti Insani Kota Bogor	Office Administration	Research Administration Department	Risa Rosita, S.Si
142	Dinda Fitriyani	SMK Bhakti Insani Kota Bogor	Office Administration	General Administration and Public Relation Department	Lidia Defita
143	M. Fachnurroji	SMK Bhakti Insani Kota Bogor	Office Administration	Procurement Unit	Maniik Hasri
144	Laela Nurhasanah	SMK Bhakti Insani Kota Bogor	Office Administration	Human Resources Management Department	Yunita, SP.
145	Ramona	SMK Bhakti Insani Kota Bogor	Office Administration	Finance Administration Department	Supriyatno, A.Md
146	Pribadi Indra	PT. Kutai Timber Indonesia	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
147	Wendi Firmansyah	PT. Kutai Timber Indonesia	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
148	Pulung Pribadi	PT. Kaloka Binagun	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
149	Marishya Wilhelmina	PT. Kaloka Binagun	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
150	Junita	Balai Perikanan Budidaya Air Payau Ujung Batee	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
151	Mardiah	Balai Perikanan Budidaya Air Payau Ujung Batee	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
152	Nurbariah	Balai Perikanan Budidaya Air Payau Ujung Batee	Plant Tissue Culture	Tissue Culture Laboratory	Samsul A.Yani, S.Si.
153	Indah Nur Angraini	SMKN 2 Cilaku	Waste Management	Air and Water Laboratory	Budi Cahyadi, S.Si.
154	Luthfy Putriana	SMKN 2 Cilaku	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
155	Alfin Saputra	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
156	Malinda Y	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
157	Nikmah Turahmah	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
158	Okta Viasari	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si

159	Alfiandi	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
160	Abdul Rohman	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
161	Erlena Retno	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
162	Saftiri	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
163	Imam Syarifudin	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
164	Mustika Rahayu R	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
165	Nur Wulandari	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
166	Yuli Yanti	SMK N 1 Pangkalan Kuras	Hydroponic Cultivation, Mushroom Cultivation, and Plant Tissue Culture	Hydroponic Unit, Product and Development Services Department	Riana Hartati, S.Si, Sugih Mukti, Erina Sulistiani, M.Si
167	Indah Indriyani Sinaga	SMK Yapisa Megamendung	Office Administration	Knowledge Management Department	Woro K. Darmastuti, M.Si.
168	Siti Dewi Salimah Abdul Azizi	SMK Yapisa Megamendung	Office Administration	Indonesia Biotechnology Information Centre	Ryna Mardiyana Siahaan, S.Si.
169	Wawan Setiawan	SMK Yapisa Megamendung	Office Administration	Product and Development Services Department	Nopi Ramli
170	Tubagus Handi	SMK Yapisa Megamendung	Office Administration	Product and Development Services Department	Nopi Ramli
171	Anak Agung Gede Suyoga	Universitas Pelita Harapan (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
172	Brilly Winsen	Universitas Pelita Harapan (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
173	Intan Fatimah	Universitas Islam Negeri (UIN) Sunan Gunung Djati (S1)	Penentuan Kadar Air dan Populasi Cendawan Perusak Pascapanen pada Biji Kopi Arabika (<i>Coffea arabica</i>) di SEAMEO BIOTROP (<i>Determination of Moisture and Population of Fungus Postharvest-Destroyer of Arabica Coffee Beans</i>)	Phytopathology Laboratory	Ir. Ina Retnowati

174	Siti Anisa	Universitas Islam Negeri (UIN) Sunan Gunung Djati (S1)	Penentuan Mutu dan Persentase Biji yang Terserang Cendawan Perusak Pascapanen pada Biji Kopi Arabika (<i>Coffea arabica</i>) di SEAMEO BIOTROP (<i>Determination of Quality and Percentage of Destroyed Arabica Coffee Beans by Fungus Postharvest-Destroyer</i>)	Phytopathology Laboratory	Ir. Ina Retnowati
175	Sri Aryanti	Universitas Islam Negeri (UIN) Sunan Gunung Djati (S1)	Efektivitas Fumigan Minyak Atsiri Kulit Lemon terhadap Serangga <i>Oryzaephilus mercator</i> (<i>Fumigants Effectiveness of Essential Oil of Lemon Bark Against Oryzaephilus mercator</i>)	Entomology Laboratory	Ir. Sri Widayanti
176	Sri Rahayu	Universitas Islam Negeri (UIN) Sunan Gunung Djati (S1)	Efektivitas Fumigan Minyak Atsiri Mint terhadap Serangga <i>Oryzaephilus mercator</i> (<i>Fumigants Effectiveness of Essential Oil of Mints Against Oryzaephilus mercator</i>)	Entomology Laboratory	Ir. Sri Widayanti
177	Devra Ardhitya Trisandy	Universitas Islam Negeri (UIN) Sunan Gunung Djati (S1)	Uji Efek Fumigan Minyak Atsiri Sereh terhadap Serangga <i>Sitophilus zeamais</i> (<i>Fumigants Effectiveness of Essential Oil of Lemongrass Against Sitophilus zeamais</i>)	Entomology Laboratory	Ir. Sri Widayanti
178	Jaenal Aripin	IPB Fak. Teknologi Pertanian (S1)	Mempelajari Sistem Diseminasi Gulma di SEAMEO BIOTROP (<i>Study of Weeds Dissemination System</i>)	Herbarium Laboratory	Dr. Sri Sudarmiyati
179	Laila Nur Mahmudah	IPB Fak. Teknologi Pertanian (S1)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
180	Shofwatul Arumatil F	IPB Fak. Teknologi Pertanian (S1)	Waste Management	Soil and Plant Laboratory	Arif Nuryadin, B.Sc
181	Jodi Pranata	Univ. Atma Jaya (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
182	Arya Dharmaputra	Univ. Atma Jaya (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
183	Dina Sabella	Univ. Atma Jaya (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si
184	Ignatia Eveline	Univ. Atma Jaya (S1)	Plant Tissue Culture	Tissue Culture Laboratory	Erina Sulistiani, M.Si

Appendix 3. Training Courses, Workshops, Group Discussions, Seminars and Meeting Conducted During FY 2015/2016

No.	Titles of activities	Venue and dates of implementation	Objectives	Types and number of participants			Outputs produced	Funding sources	Partners	Amount / In-Kind Contribution	Participants Country
				F	M	Total					
A. National Training Courses, Workshops, Group Discussions, Seminars and Meetings											
1	Germinating Novel Opportunities to Meet Ideas in a Community of Science	Tangerang, 29 June-4 July 2015	<ol style="list-style-type: none"> To introduce the development and benefits of biotechnology to Indonesia society. Provide a deep insight for students who studying biotechnology regarding its industrial applications in Indonesia in particular. 	34	37	71	Students can well identify the development and benefits of biotechnology application especially its industrial application in Indonesia	ISAAA	Universitas Pelita Harapan	IDR 12,611,800	
2	Training on Integrated Storage Pest Management	Bogor, Indonesia, 24-27 August 2015	<ol style="list-style-type: none"> Provide knowledge on several alternatives in integrating storage pest management by combining prevention, monitoring and control of storage pest Provide knowledge on several alternatives in controlling several fumigants: solid phosphine (metal phosphide), liquefied phosphine and Sulphuryl fluoride (SF) Provide media for knowledge exchange, ideas and experiences among participants in resolving storage pest issues 	14	17	31	Techniques for integrating storage pest management. These techniques can be applied in food/feed warehouses. Files on techniques used in storage pest management to be kept by the warehouse keeper and the pest management officer to increase storage pest management efficiency				Gol

3.	National Workshop on Scientific Writing for Journal Publication	Bogor, Indonesia, 24-25 August 2015	To enhance the writing skills of participants and to improve the chance for their articles to be published in reputable refereed journals	37	19	56	Increasing number of scientific publications published in international journal	Gol	IDR 150,000 per participant
4.	GM Crops: Global Socio- Economic and Environmental Impacts 1996- 2013	Jakarta, 4 September 2015	To raise awareness on the socio economic consideration of biotechnology in the world	28	23	51	Participants get an update information on the socio economic impact of biotechnology in the world during 1996- 2013	CropLife Indonesia	IDR 59,333,800
5.	Quarterly Public Seminar: Global Patterns of Plant Biodiversity	Bogor, Indonesia, 10 September 2015	To enhance the knowledge of participants on global pattern of plant biodiversity	32	17	49		Gol	Prof Holger Kreft, University of Gottingen
6.	Quarterly Public Seminar: Making Optimal Use of Biodiversity to Hamper the Spread and Impact of Invasive Pests	Bogor, Indonesia, 25 September 2015	To enhance the knowledge of participants on making optimal use of biodiversity to hamper the spread and impact of invasive pests	29	15	44		Gol	Dr Kris Wyckhuys, CIAT

7.	3 rd National Training Course on Optimizing Locally Available Natural Resources in Feed Formulation in Small-Scale Aquaculture Production	Bogor, Indonesia, 28 September – 2 October 2015	To maximize the use of available local materials and enhance the entrepreneurial skills of the participants in manufacturing home-made low-cost fish feeds towards sustaining the growth of small-scale aquaculture industry in Indonesia	7	22	29	Gol	<p>1. The participants are expected to come up with their own design of a low-cost fish feed manufacturing facility and fish feed formulation having high quality using locally available raw materials</p> <p>2. The participants are also expected to help ensure the consistent supply of high quality feed products with low-cost budget using locally available raw materials, thus improving the livelihood development of stakeholders of small scale aquaculture industry in Indonesia</p>	USA
8.	Food Biotechnology Community Workshop for Agricultural Professionals	Denpasar, 19 October 2015 and Bogor, 21 October 2015	To engage officials, scientists and agricultural professionals to build competence, capacity and effectiveness in communicating food and agricultural biotechnology through traditional and social media.	46	42	88	International Food Information Council (IFIC)	Udayana University, and Foreign Agricultural Service USDA (FAS-USDA)	USD 24,546

9.	Food Biotechnology Communicating Workshop for Media Practitioners	Denpasar, 20 October 2015 and Bogor, 22 October 2015	1. To build relationships, interaction and understanding between the scientific community and the media. 2. Provide media participants with a broader understanding of food safety and biotechnology.	35	54	89	Media practitioners are expected to have a broader understanding about food safety and biotechnology	International Food Information Council (IFIC)	Udayana University, and FAS-USDA	USD 24,546	USA
10.	3 rd Training Management in Weeds and Invasive Plants	Bogor, Indonesia, 26-31 October 2015	This course is intended to enlighten and approach the concept of weed management in various agricultural and forestry ecosystems; to improve the skills of identifying weeds/ invasive plants complement and to understand the development of the management of invasive weeds and plants to date	10	16	26	1. Enlightenment to the concept of weed management in various agricultural and forestry ecosystem 2. Increase capabilities in identifying weed/alien species 3. Knowledge on the current weed management technique	Gol			
11.	Expert Discussion on Regulation of Pesticide Registration Article 6.2b Regulation of The Ministry of Agriculture of the RI Number 39/Permentan/SR. 330/7/2015	Bogor, 28 October 2015	To bring together policy makers, researchers, and industry representatives to discuss further about the implementation of the Regulation of The Ministry of Agriculture Number 39 Year 2015 (Permentan No. 39 Tahun 2015) about Pesticide Registration	16	51	67	To solicit the best recommendations that can be used as input for the Indonesian government related to the implementation of the Permentan.	CropLife and CropCare	Ministry of A, National Outstanding Farmers Association (NOFA), Himpunan Ilmu Gulma Indonesia (HIGI), CropLife and CropCare	IDR 127,212,910	USA

12.	Focus Group Discussion on Potential of Captive Deer as an Export Commodity and Rehabilitation in the Conservation Area	Bogor, Indonesia, 19 November 2015	<p>1. To obtain input from stakeholders, government agencies, private sectors, and individuals in developing captive deer as export commodity and conservation area</p> <p>2. To decrease illegal deer hunting in preventing deer extinction</p> <p>3. For the government: to create opportunities for community participating in deer captive and conservation by issuing regulations</p>	4	20	24	Gol	<p>1. Support from stakeholders in actively maintaining and developing deer captive for commercial uses</p> <p>2. Regulation from the government to maintain and develop deer captive commercially</p> <p>3. Implementation of captive deer as export commodity and to develop deer conservation area</p>	<p>Yayasan Pelestarian Alam dan Kehidupan Liar Indonesia (WF) IDR 9,605,000</p>
13.	Seed Industry Visit	East Java, 30 November – 01 December 2015	<p>1. to provide an overview of the corn seed industry in Indonesia.</p> <p>2. to identify the major problems and issues facing farmers</p>	10	14	024	Croplife Indonesia	<p>Participants witness the development of corn seed industry in Indonesia by themselves and they can identify the problem and issues facing by farmers in East Java</p> <p>CropLife, NOFA, PBPI</p>	<p>IDR 151,662,500</p>

14.	Workshop on Developing Survey Instruments and Mechanics for Needs Assessment of SEAMEO STAR Village	Bogor, Indonesia, 8-10 December 2015	<ol style="list-style-type: none"> 1. To formulate an appropriate survey questionnaire and/or other relevant data collection instruments to obtain a comprehensive socio-demographic profile and to assess the needs of the village; 2. To determine the most practical approach/strategy to collect the necessary information on the village 3. To agree on the timetable and logistical preparations needed for the actual survey 4. To agree on the mechanics for data cleaning, data entry and data analysis as well as report writing 	15	14	29	<ol style="list-style-type: none"> 1. Implemented at least 12 projects (2 projects per Centre) within any of the development pillars towards making the target village a STAR and a model of community-based development 2. Institutionalized best practices on Inter-Centre collaboration 3. Enhanced staff skills in community development and related aspects 4. Enhanced the image of SEAMEO as a community development agent with the local government of the village and other partner-institution involved 5. Contributed to the achievement of the SEAMEO 7 Priorities and the Post-2015 Sustainable Development Agenda 	Gol	
15.	National Seminar on the Current Status of Biotechnology Commercialization in Indonesia	Jakarta, 14 January 2016	To discussed the safety issues on biotechnology products and the current status of biotechnology commercialization in Indonesia	114	56	200	Students can identify the safety issues on biotechnology	ISAAA, CropLife Indonesia, Universitas Nasional (UNAS), PT. Monagro Kimia, PT. Syngenta, PT. Monsanto and PT. INACO	IDR 10,000,000

16.	Training on Establishing School Garden for Nutrition, Literacy and Entrepreneurship	Bogor, Indonesia, 27-31 March 2016	33	23	56	1. Compilation of the current status and needs of the participating schools in terms of nutrition, literacy, and entrepreneurship 2. Compilation of lecture materials from resource persons 3. Compilation of school garden designs/ action plans of the participating schools	GoI	ADB	USD 8,000	
						1. To assess current status and needs of the participating schools in terms of nutrition, literacy, and entrepreneurship 2. To enable the participants to internalize the importance of nutrition to the educational development of school children 3. To provide the participants with basic knowledge and skills on school garden models and agriculture technologies that could be adopted in a school garden setting 4. To introduce the concepts and principles of online teaching system to support literacy development in the context of school garden; and 5. To enable the participants to design their school garden plans for their respective schools.				

17. Seminar on Biotechnology, A Prospective Solution for Achieving Food Security In Indonesia	Tegal, 29 March 2016	1. o introduce agro biotech development with local governments at various districts with agriculture as major economy. 2. seek support of the head of districts	15	65	80	1. Local government can identify the need to adopt biotechnology products in order to enhance crop productivity in their region 2. The local Government can support biotechnology application in Indonesia	CropLife Indonesia	NOFA, Indonesia Society of Agricultural Biotechnology (ISAB), and CropLife	IDR 118,921,000
18. Workshop on Biosafety Assessment and Release of Genetically Engineered Product	Jakarta, 7 April 2016	Provide information on the process of biosafety assessment of Genetically Modified Product (GMP) and testing and release process of genetically engineered product in Indonesia	6	15	21	The participants can identify the process of biosafety assessment of Genetically Modified Product (GMP) and testing and release process of genetically engineered product in Indonesia	Monsanto Indonesia	Ministry of Agriculture, ISAAA and ISAB	IDR 118,135,000
19. Seminar on 20th Anniversary (1996 to 2015) of the Global Commercialization of Biotech Crops and Biotech Crop Highlights in 2015	Jakarta, 19 April 2016	To update information on the global status of biotechnology products in 2015.	44	60	104	The participants get an update information on the global status of biotechnology products in 2015	ISAAA and CropLife Indonesia	Ministry of Agriculture, NOFA, ISAB, Singapore, India, Malaysia, the Philippines	IDR 84,600,000

20. Training Urban Agriculture for Vocational and Special Education Teachers	Bogor, Indonesia, 9 – 12 May 2016	<p>1. To enable teachers to understand and appreciate the concepts and principles of urban agriculture and its importance as life skills toward developing self-reliant citizen among their students and their respective families;</p> <p>2. To enhance the knowledge and skills of teachers on hydroponic vegetable and fruit production, mushroom production, and compost making for teaching students and for their actual practice; and</p> <p>3. To help establish the abovementioned technologies in the respective schools of the teachers for teaching, food production, and income generating purposes towards becoming a garden school.</p>	20 15 35	The participants are expected to formulate their individual action plans on how to apply what they have learned from the training course.	Gol	Malaysia
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21.	Seminar Workshop on Nutmeg's Quality Improvement	UNSRAT, Manado, Indonesia 24 – 25 May 2016	<p>1. To increase awareness of stakeholders towards economical loss caused by aflatoxin contamination on nutmeg related to the EU food safety regulation</p> <p>2. To inform participants on Critical Control Point (CCP) in nutmeg post harvest management and to prepare HACCP system (Hazard Analyse Critical Control Point)</p> <p>3. To provide recommendation to farmers, collectors and exporters about nutmeg post harvest management method to guarantee nutmeg quality during storage (Good Handling Practice), related to EU food safety regulation</p>	24	27	51	<p>1. Policy formulation on postharvest handling nutmeg in the level of farmers, collectors and exporters.</p> <p>2. Implement best practices on postharvest handling nutmeg in the level of farmers, collectors and exporters.</p>	Gol
22.	Training of Trainer on Nutmeg's Quality Improvement	Kauditan, Minahasa Utara, Indonesia, 26 May 2016	<p>To acquire new information about best practices on aflatoxin prevention in nutmeg supply chain with relation to European Union's food safety regulations</p>	21	30	51	<p>1. Policy formulation on postharvest handling nutmeg in the level of farmers, collectors and exporters</p> <p>2. Implement best practices on postharvest handling nutmeg in the level of farmers, collectors and exporters</p>	Gol

23. Quarterly Public Seminar: Weeds, Plant of the future	Bogor, Indonesia, 19 May 2016	This activity aimed to provide a venue for exchange of knowledge and experiences as well as promoting networking among experts in the region who are engaged in tropical biology	27	16	43	Participants have knowledge and experience about Weed for Plant of the future.	Gol	Dr JF Veldkamp
24. Edible Mushroom Culture	Bogor, Indonesia, 23 – 24 May 2016	<ol style="list-style-type: none"> To develop the capability of participants to culture oyster mushroom To improve the nutritional status of the community To increase the income of community 	17	15	32	Participants can develop oyster mushroom cultivation by their own	Gol	

25. Biotech Media Gathering	Bogor, 27 – 28 May 2016	<p>1. Enhance the awareness and understanding of the media to the science of agri-biotechnology and its contributions to agricultural development, food security, and environmental sustainability vis-à-vis challenges by changing climate.</p> <p>2. Enhance media capacities in communicating crop biotechnology, as well as promote science-based, responsible, and accurate reporting on biotechnology among media practitioners in the region.</p>	10	23	33	Participants can enhance their capacity in writing science-based, responsible and accurate reporting about biotechnology issues	CropLife Indonesia and FAS-USDA	ISAAA, and ISAB	IDR 95,260,000
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B. International Conference											
1	International Conference on Life Sciences and Biotechnology	Jember, 28-30 September 2015	To explore and conserve biodiversity by bringing together investigators from different fields such as health and medicine, agriculture, food technology and security, new and renewable energy, conservation and management including exploration of biodiversity.	75	45	120	Participants can share their experiment knowledge in promoting and conserving biodiversity in the world	ISAAA	Universitas Jember, Flensburg University of Applied Sciences, The German Academic Exchange Service (DAAD), and Unikassel Versitat.	IDR 11,500,000	Indonesia, the Philippines, Thailand, Korea, and German
2	2 nd International Conference on Tropical Biology "Ecological Restoration in Southeast Asia: Gains, Challenges and Future Directions	Bogor, Indonesia, 12-13 October 2015	To gather scientists and practitioners to share useful lessons, address challenges, and generate commitments to strengthen policy decisions and joint efforts towards ecological restoration for sustainable and integrated regional development in Southeast Asia along global biodiversity and other conservation goals.	41	42	83	The quorum of conference participants will identify gaps of our knowledge of restoration and identify new approaches to both policies and practices that will form an agenda to guide the future direction of research and development in this field.	GoI	FAO, Chiangmai University, ICRAF, Biotropica Australia, IPB, Bangor University		Nepal, Australia, Philippines, Thailand, Malaysia, Afghanistan, Belgium

C. Regional/International Training Courses, Workshops, Group Discussions, Seminars and Meetings

<p>1. Regional Seminar- Workshop on Optimizing the Utilization of Mycorrhiza for Land Productivity in Southeast Asia</p>	<p>Bogor, Indonesia, 9 – 13 November 2016</p>	<p>17 4 21</p>	<p>To provide a venue for mycorrhiza scientists and users to share knowledge and experiences, address challenges, and generate commitments to strengthen and work collaboratively towards optimizing the use of mycorrhiza for sustainable land productivity in the agriculture and forestry sectors in Southeast Asia and Japan</p>	<p>1. Compile best practices on the use of mycorrhiza for agriculture and forest productivity in SEA and Japan</p> <p>2. Develop a research agenda on mycorrhiza for SEA and Japan</p> <p>3. Establish collaborations between and among relevant institutions in SEA and Japan on mycorrhiza research</p>	<p>1. Compilation of issues and challenges as well as best practices in the application of mycorrhiza for agriculture and forest productivity in Southeast Asia and Japan</p> <p>2. A research agenda on mycorrhiza for Southeast Asia and Japan</p> <p>3. Initial collaborative research agreements among institutions participating in the seminar</p>	<p>Gol</p>	<p>Dr Didieur Leuseur (CIAT-Vietnam) Prof Keitaro Tawarayama (Yamagata Univ)</p>	<p>Cambodia, Malaysia, Myanmar, Thailand, Philippines, Vietnam</p>
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D. In-Country Training Courses, Workshops and Seminars						
1.	5 th Regional Training Course on Implementation of HACCP System on Prevention and Control of Mycotoxin in Food and Feedstuff	Bangkok, Thailand, 14-18 September 2015	To equip the participants with basic and applied knowledge and skills on HACCP system implementation to prevent and control of mycotoxins in food and feedstuff	18	5	23
						1. Individual action plans on how they will apply the knowledge and skills gained from the training. 2. Informal mechanism to sustain the exchange of knowledge and information among them on the HACCP programme for mycotoxin contamination to prevent and control mycotoxins in food and feedstuff
						Gol
						SEDF: USD 5,194 Kasetart University. In Kind (experts, laboratory and classroom facilities)
						Cambodia, Lao PDR, Thailand, Philippines, Vietnam
E. In-House Training Courses, Workshops and Seminars						
1.	Training on Scientific Photography	Bogor, Indonesia, 18-20 August 2015	To provide basic knowledge and skill on photography as well as art the objects from research and other activities with high photo quality to support research	27	22	49
						Increased knowledge and skill of participants on technique and arts in photography to capture and document objects obtained from research and other activities with high photo quality to support dissemination of research result, publication and other documentation purposes
						Gol

2	Training on Statistical Analysis	Bogor, Indonesia, 19-20 October 2015	1. To provide knowledge for participants on learning and becoming an expert in statistical data processing, starting from the selection of experimental design until the conclusions of the research results. 2. To provide skill to overcome the obstacles encountered in the implementation of research data analysis and management	24	16	40	Knowledge and skill in statistical data analysis and implementation to overcome obstacles encountered in the implementation of research data analysis and management	Gol
3	Training on Public Relations	Bogor, Indonesia, 16-17 December 2015	To provide knowledge and skill on public relations, including emceeding and public speech technique	21	6	27		Gol
4	Training on Household Composting Technology	Bogor, Indonesia, 16, 23 and 29 February 2016	1. To make aware of household solid wastes and its implication to environment 2. To provide knowledge on basic technology in managing solid wastes 3. To practice solid wastes composting technique in household scale	20	61	81	Change of mind set in managing household solid wastes	Gol
5	Training on Internal Audit Management System SEAMEO BIOTROP based on KNAPPP 02:2007 Guidelines Standard	Bogor, Indonesia, 4-5 April 2016	To provide knowledge on internal audit system management based on KNAPPP 02:2007	17	10	27	Participants understand and implement the concept of internal audit system management based on KNAPPP 02:2007	Gol

6	Training Quality Management System ISO 9001:2015	Bogor, Indonesia, 19-20 April 2016	<p>1. To provide knowledge on ISO 9001:2015 related to changes in ISO 9001:2015</p> <p>2. To provide information to make documentation on Quality Management System based on ISO 9001:2015</p>	24	8	32	Participants have skill to revise documentation on Quality Management System based on ISO 9001:2015	Gol
7	Training on 7 Habits of Highly Effective People	Bogor, Indonesia, 30-31 May 2016	<p>1. To enable department managers and unit supervisors aligning their personal goals and responsibilities with the Centre's goals and targets and become more effective in carrying out their function</p> <p>2. To enhance the spirit of collaboration, morale, shared responsibilities and understanding of Centre priorities among departments and units by building high-trust relationship of mutual benefits and</p> <p>3. To formulate agreements among department managers and unit supervisors on how to practice the 7 habits in their respective work areas and staff towards increased productivity and full customer satisfaction</p>	13	13	26	<p>1. Profiles of Department Managers and Unit Supervisors on the Habits assessed and areas needing improvements identified</p> <p>2. Individual action plans to practice the 7 habits developed</p> <p>3. General agreements to promote the 7 habits among staff in the centre formulated</p>	Gol

F. Fee-Based Training Courses, Workshops and Seminars

1.	Training on Technique of Culture, Production and Distillation of Agarwood Essential Oils	Bogor, Indonesia, 7 – 9 September 2015	11	20	31	1. Basic knowledge to sustainably developing agarwood 2. Insights and understanding on agarwood potency 3. Skill on vegetative and generative propagation of agarwood 4. Skill on agarwood production using bioinoculation on host tree 5. Understanding basic technique on distillation of agarwood	Paying participant	IDR 65,000,000
2.	GIS Training to Increase Government Capacity-Participatory Mapping and Planning (PMAP2)	Bogor, Indonesia, 16 May – 10 June 2016	9	21	30	To elevate government's capacity in the district and provincial levels in managing geospatial data using Geography Information System technology.	Paying participant	
3.	Training on Storage Pest Management	Jakarta, Indonesia, 2 – 4 June 2016	16	16	16	Accurate action to solve storage pest issues performed by pest control officer	Paying participant	IDR29,975,000

<p>4. Training on Application of GIS for Data Spatial Management</p>	<p>Bogor, Indonesia, 15 – 18 June 2016</p>	<ol style="list-style-type: none"> 1. To understand basic concept of GIS (data source, resolution, data accuracy, data projection) 2. To provide knowledge on using GIS software to data digitization and spatial analysis using raster and vector data and 3. To provide knowledge on spatial data layout and presentation 4. To develop simple geodatabase 	<p>5</p>	<p>Paying participant</p>
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Appendix 4. BIOTROP Publications

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- Roostika I, Khumaida N, Ardie SW. 2015. RAPD analysis to detect somaclonal variation of pineapple in vitro cultures during micropropagation. In: BIOTROPIA 22 (2): 109-119. BIOTROP, Bogor.
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- Hodac L, Ulum FB, Opferman N, Breidenbach N, Hojsgaard D, Tjitrosoedirdjo SS, Voernam B, Finkelday, Horand E. 2016. Population genetic structure and reproduction strategy of the introduced grass *Cenotheca lappacea* in tropical land-use system in Sumatra. PLoSOne. 2016, 15 Jan. 11(1):e0147633doi10.1371/journal.pone.0147633
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- Siregar UJ, Hartati S. 2015. RNA isolation and construction of cDNA library of sengon (*Paraserianthes facataria*) resistant to boktor pest II: sequencing and genomic analysis. BIOTROP, Bogor, 35p.
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- SEAMEO BIOTROP. 2015. Pelatihan ke III pelatihan pengelolaan gulma dan tumbuhan asing invasive, SEAMEO BIOTROP , Bogor , 26-31 Oktober 2015.
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Vol. II Kumpulan Materi Pelatihan dan Praktikum (BIOTROP/TC-UAVT/2016/1233)
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- SEAMEO BIOTROP. 2016. Pelatihan audit internal sistem manajemen SEAMEO BIOTROP berdasarkan standar pedoman KNAPPP 02:2007, SEAMEO BIOTROP, Bogor, 04-05 April 2016.
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Appendix 5. Scientific Training Courses, Workshops, Conferences and Symposia Attended by SEAMEO BIOTROP Staff Members during FY 2015 - 2016

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
1	Anidah, S.Si	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
2	Asep Saepudin	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
3	Devi Septrianti, S.E.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
4	Dewanti Pratiwi, S.Hut.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
5	Dewi Rahmawati, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
6	Dr. Dewi Wulandari	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
7	Didi Junaedi, A.Md.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
8	Ellyn K. Damayanti, Ph.D. AGR	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
9	Ferdi Pattikayhatu, S.Pi.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
10	Fitri Junaedy, S.E.I.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
11	Haritz Cahya Nugraha	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
12	Herni Widhiastuti, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
13	Indah Wahyuni, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
14	Indra Septian	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
15	Dr. Jesus C. Fernandez	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
16	Kania Dewi Rahayau, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
17	Nijma Nurfadila, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
18	Peri Siantuni	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
19	Risa Rosita, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
20	Riza F. Assegaf	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
21	Rizkia Tirtani	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
22	Ryna Mardiyana Siahaan, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
23	Saiful Bachri, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
24	Samsul A. Yani, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
25	Setiabudi, S.Hut.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
26	Siti Lastiah	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
27	Slamet Widodo Sugiarto, S.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
28	Sri Ismawati Soerianegara, M.Si	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
29	Dr. Sri S. Tjitrosoedirdjo	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
30	Supriyatno, A.Md.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
31	Tika Tresnawati, M.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
32	Woro Kanti Dharmasuti, M.Si.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
33	Yadi Supriyadi	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
34	Yuni Puspita Sari, MM	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
35	Yunita, S.P.	In House Training "Scientific Photography"	SEAMEO BIOTROP, 18-20 August 2015	
36	Prof. Dr. Okky S. Dharmaputra	Training on Sampling Method of Nutmeg Based on <i>Commission Regulation (EC) No. 401/2006: Laying Down The Methods of Sampling and Analysis for The Official Control of The Levels of Mycotoxins in Foodstuffs</i>	Kalasey 1, 18-21 August 2015	<i>Cendawan Perusak Bahan Pangan dan Mikotoksi pada Bahan Pangan</i>
37	Anidah, S.Si	Seminar Validasi Metoda Mikrobiologi (<i>Seminar on Validation of Microbiology Method</i>)	Jakarta, 20 August 2015	
38	Nijma Nurfadila, S.Si	Seminar Validasi Metoda Mikrobiologi (<i>Seminar on Validation of Microbiology Method</i>)	Jakarta, 20 August 2015	
39	Herni Widhiastuti, S.Si	Pelatihan Pengendalian Hama Gudang Terpadu (<i>Training on Integrated Stored-Pest Management</i>)	SEAMEO BIOTROP, 24-27 August 2015	
40	Heriyanto	Pelatihan Pengendalian Hama Gudang Terpadu (<i>Training on Integrated Stored-Pest Management</i>)	SEAMEO BIOTROP, 24-27 August 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
41	Dr. Dewi Wulandari	Training Scientific Writing for Journal Publication	SEAMEO BIOTROP, 24-25 August 2015	
42	Dr. Ellyn K. Damayanti	Training Scientific Writing for Journal Publication	SEAMEO BIOTROP, 24-25 August 2015	
43	Nijma Nurfadila, S.Si.	Training Scientific Writing for Journal Publication	SEAMEO BIOTROP, 24-25 August 2015	
44	Dewi Rahmawati, S.Si.	Training Scientific Writing for Journal Publication	SEAMEO BIOTROP, 24-25 August 2015	
45	Indah Wahyuni, S.Si.	Training Scientific Writing for Journal Publication	SEAMEO BIOTROP, 24-25 August 2015	
46	Mutiara Hidayat, S.Si	Atomic Spectroscopy Seminar and User Meeting	Jakarta, 25 August 2015	
47	Gita Hanipah, S.Si	Atomic Spectroscopy Seminar and User Meeting	Jakarta, 25 August 2015	
48	Dr. Jesus C. Fernandez	International Seminar on Ecosystem Restoration	Bogor, 31 August 2015	
49	Ellyn K. Damayanti, PhD. AGR	International Seminar on Ecosystem Restoration	Bogor, 31 August 2015	
50	Dr. Dewi Wulandari	International Seminar on Ecosystem Restoration	Bogor, 31 August 2015	
51	Dr. Jesus C. Fernandez	Rapat Koordinasi Sinkronisasi Kebijakan Bidang Kesra Tahun 2015	Jakarta, 2 - 4 September 2015	
52	Samsul A. Yani, S.Si	Rapat Koordinasi Sinkronisasi Kebijakan Bidang Kesra Tahun 2015 <i>(Coordination Meeting on Synchronization Policy of Public Welfare Year 2015)</i>	Jakarta, 2 - 4 September 2015	
53	Bambang Sulistio, S.Si	Rapat Koordinasi Rekonsiliasi TUP August 2015 <i>(Coordination Meeting on Reconciliation of Budget Management as August 2015)</i>	Jakarta, 2 - 4 September 2015	
54	Mohamad Tajudin, SE	Rapat Koordinasi Rekonsiliasi TUP August 2015 <i>(Coordination Meeting on Reconciliation of Budget Management as August 2015)</i>	Jakarta, 2 - 4 September 2015	
55	Jujum	Rapat Koordinasi Rekonsiliasi TUP August 2015 <i>(Coordination Meeting on Reconciliation of Budget Management as August 2015)</i>	Jakarta, 2 - 4 September 2015	
56	Herman Apriadi, SE	Rapat Koordinasi Rekonsiliasi TUP August 2015 <i>(Coordination Meeting on Reconciliation of Budget Management as August 2015)</i>	Jakarta, 2 - 4 September 2015	
57	Ellyn K. Damayanti, Ph. D.Agr.	World Forestry Congres	Durban, 4 - 15 September 2015	
58	Ratnaningsih, S.Si	Seminar Mycotoxin Testing Solutions	Bekasi, 16 September 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
59	Syifa Fauzia	Seminar Mycotoxin Testing Solutions	Bekasi, 16 September 2015	
60	Dewi Rahmawati, S.Si	A Day With Applied Biosystems Real - Time PCR : learning, Sharing, Networking	Tangerang, 17 September 2015	
61	Bambang Sulistio, S.Si	Workshop Pelaporan Keuangan Instansi (<i>Workshop on Preparation Financial Report</i>)	Bandung, 16 - 18 September 2015	
62	Mohamad Tajudin, SE	Workshop Pelaporan Keuangan Instansi (<i>Workshop on Preparation Financial Report</i>)	Bandung, 16 - 18 September 2015	
63	Jujum	Workshop Pelaporan Keuangan Instansi (<i>Workshop on Preparation Financial Report</i>)	Bandung, 16 - 18 September 2015	
64	Herman Apriadi, SE	Workshop Pelaporan Keuangan Instansi (<i>Workshop on Preparation Financial Report</i>)	Bandung, 16 - 18 September 2015	
65	Ellyn K Damayanti, Ph.D.Agr	Pelatihan Penulisan Jurnal UI (<i>Training on Scientific Writing for Journal of University of Indonesia</i>)	Jakarta, 21 September 2015	
66	Dr. Dewi Wulandari	Pelatihan Penulisan Jurnal UI (<i>Training on Scientific Writing for Journal of University of Indonesia</i>)	Jakarta, 21 September 2015	
67	Ratnaningsih, S.Si	Seminar the Most Precise and Fast Protein/Nitrogen Automatic Analysis System	Jakarta, 29 September 2015	
68	Syifa Fauzia	Seminar the Most Precise and Fast Protein/Nitrogen Automatic Analysis System	Jakarta, 29 September 2015	
69	Ellyn K. Damayanti, Ph.D.Agr.	Lokakarya Konsultasi Publik INCAS (Hasil Analisis Nasional)	Jakarta, 1 October 2015	
70	Ir. Sri Widayanti	Pelatihan Pengendalian Hama GudangTerpadu (PHGT) di PT ISM Bogasari Flour Jakarta. (<i>Training on Integrated Stored-Pest Management at PT ISM Bogasari Flour Jakarta</i>)	Jakarta, 6-7 October 2015	
71	Dr. Idham S. Harahap	Professional Workshop Storage Pest Management: efforts to minimize losses on commodity quality	Jakarta, 8 October 2015	
72	Ir. Sri Widayanti	Professional Workshop Storage Pest Management: efforts to minimize losses on commodity quality	Jakarta, 8 October 2015	
73	Anidah, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian (<i>In-house Training on Processing of Statistics Data</i>)	SEAMEO BIOTROP, 19-20 October 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
74	Budi Cahyadi, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
75	Dewanti Pratiwi, S.Hut.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
76	Dewi Rahmawati, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
77	Dewi Wulandari, Dr	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
78	Didi Junaedi, A.Md.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
79	Ellyn K. Damayanti, Dr	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
80	Ina Retnowati, Ir	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
81	Indah Wahyuni, S.Si	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
82	Lillys Betty Yulawati, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
83	Maya Masita Novianti, M.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
84	Nijma Nurfadila, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
85	Ratnaningsih, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
86	Riana Hartati, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
87	Risa Rosita, S.Si	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
88	Rosadi, S.Pd.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
89	Rosianadewi Dinaryanti, M.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
90	Saiful Bachri, S.Si.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
91	Siti Sulastri Rangkyu	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
92	Sri Widayanti, Ir	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
93	Syifa Fauzia	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
94	Wina Febrianti, S.Pi.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
95	Wheni Haslinawati, M.Bio-tech.	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
96	Yuni Puspita Sari, MM	In House Training Pengolahan Data Statistik sebagai Alat Bantu Penelitian <i>(In-house Training on Processing of Statistics Data)</i>	SEAMEO BIOTROP, 19-20 October 2015	
97	Maman Darmanto	Pelatihan Sampling Udara <i>(Training on Air Sampling Method)</i>	Bogor, 20 October 2015	
98	Ellyn K. Damayanti, Ph.D.Agr	Lokakarya Fasilitasi Pengelolaan SDG	Surabaya, 21 October 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
99	Ir. Sri Widayanti	Pelatihan Pengendalian Hama Gudang Terpadu (PHGT) di PT ISM Bogasari Flour Jakarta. <i>(Training on Integrated Stored-Pest Management at PT ISM Bogasari Flour Jakarta)</i>	Jakarta, 2-3 November 2015	
100	Dr. Jesus C. Fernandez	Simposium Pangan Nasional <i>(National Food Symposium)</i>	Jakarta, 5 November 2015	
101	Samsul A. Yani, S.Si.	Simposium Pangan Nasional <i>(National Food Symposium)</i>	Jakarta, 5 November 2015	
102	Prof. Dr. Okky S. Dharmaputra	FGD Penanganan Rantai Pasok Komoditi Pala <i>(FGD on Supply Chain of Nutmeg Comodity)</i>	Manado, 11-13 November 2015	
103	Santi Ambarwati, M.Si	FGD Penanganan Rantai Pasok Komoditi Pala <i>(FGD on Supply Chain of Nutmeg Comodity)</i>	Manado, 11-13 November 2015	
104	Ir. Ina Retnowati	Seminar Nasional PFI <i>(National Seminar on PFI)</i>	Bekasi, 11-12 November 2015	
105	Nijma Nurfadila, S.Si	Seminar Nasional PFI <i>(National Seminar on PFI)</i>	Bekasi, 11-12 November 2015	
106	Erina Sulistiani, M.Si	3rd Indonesian Seaweed Forum	Makasar, 11-15 November 2015	
107	Muhamad Hamdani	Seminar Pembahasan Hasil Uji Banding Gas Analyzer	Jakarta, 14 November 2015	
108	Dika Zulkarnaen	Seminar Pembahasan Hasil Uji Banding Gas Analyzer	Jakarta, 14 November 2015	
109	Dr. Irdika Mansur	Workshop on SEAMEO's New Education Agenda: The 7 Priority Areas	Jakarta, 16-17 November 2015	
110	Dr. Arief Sabdo Yuwono	Workshop on SEAMEO's New Education Agenda: The 7 Priority Areas	Jakarta, 16-17 November 2015	
111	Dr. Jesus C. Fernandez	Workshop on SEAMEO's New Education Agenda: The 7 Priority Areas	Jakarta, 16-17 November 2015	
112	Dr. Dewi Wulandari	Workshop on SEAMEO's New Education Agenda: The 7 Priority Areas	Jakarta, 16-17 November 2015	
113	Tenni Wahyuni	Workshop on SEAMEO's New Education Agenda: The 7 Priority Areas	Jakarta, 16-17 November 2015	
114	Harry Imantho, M.Sc	The 2nd International Symposium on LAPAN-IPB Satellite for Food Security and Environmental Monitoring (LISAT Symposium 2015)	Bogor, 17-18 November 2015	
115	Ellyn K. Damayanti, Ph.D.Agr	The 2nd International Symposium on LAPAN-IPB Satellite for Food Security and Environmental Monitoring (LISAT Symposium 2015)	Bogor, 17-18 November 2015	
116	Ir. Ina Retnowati	International Workshop IWGAPHP	Bogor, 18-19 November 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
117	Indah Wahyuni, S.Si	2-day Workshop Meta-Analysis	Bogor, 25-26 November 2015	
118	Dr. Jesus C. Fernandez	Seminar Internasional "Challenges of Sustainable Forest Plantation Development"	Yogyakarta, 26 November 2015	
119	Armaiki Yusmur, S.Si	Seminar "UAV for Mapping Earth Surface"	Depok, 3 December 2015	
120	Bambang Sulistio, S.Si	Workshop Penyusunan Kinerja Pegawai (<i>Workshop on Preparing Staff Performance Report</i>)	Jakarta, 10-12 December 2015	
121	Yunita, SP	Workshop Penyusunan Kinerja Pegawai (<i>Workshop on Preparing Staff Performance Report</i>)	Jakarta, 10-12 December 2015	
122	Dr. Irdika Mansur	Inter Centre Collaboration Meeting	Yogyakarta, 14-17 December 2015	
123	Dr. Jesus C. Fernandez	Inter Centre Collaboration Meeting	Yogyakarta, 14-17 December 2015	
124	Bambang Sulistio, S.Si	Inter Centre Collaboration Meeting	Yogyakarta, 14-17 December 2015	
125	M. Tajudin, MM	Inter Centre Collaboration Meeting	Yogyakarta, 14-17 December 2015	
126	Sri Widayanti	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
127	Wheni Haslinawati	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
128	Rosiana Dewi Dinaryanti	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
129	Saiful Bachri	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
130	Yuni Puspita Sari	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
131	Siti Lastiah	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
132	Ujang Sanusi	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
133	Lillys Betty Yulawati	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
134	Dewanti Pratiwi	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
135	Risa Rosita	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
136	Asep Saepudin	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
137	Peri Siantuni	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
138	Fitri Junaedi	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
139	Lidia Defita	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
140	Tenni Wahyuni	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
141	Rizkia Tirtani	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
142	Deki Zulkarnain	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
143	Ratnaningsih	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
144	Syifa Fauzia	In-house Training on Public Relation	SEAMEO BIOTROP, 16-17 December 2015	
145	Dr. Irdika Mansur	Seminar Nasional "Peran Riset dan Teknologi (RISTEK) dalam Meningkatkan Daya Saing Bangsa di Era Global" <i>(National Seminar on The Role of Research and Technology in Increasing Competitiveness in the Global Era)</i>	Yogyakarta, 19 December 2015	
146	Riana Hartati, S.Si	FGD " Festival Napi Berkebun"	Jakarta, 18-20 December	
147	Dr. Arief Sabdo Yuwono	Workshop on Creating Green School	Jakarta, 21 December 2015	
148	Riana Hartati, S.Si	Workshop on Creating Green School	Jakarta, 21 December 2015	
149	Wina Febrianti, S.Pi	Workshop on Creating Green School	Jakarta, 21 December 2015	
150	Dr. Jesus C. fernandez	Seminar PTJJ <i>(Seminar on Distance Learning)</i>	Bandung, 6-7 January 2016	
151	Dr. Sri S. Tjitrosoedirdjo	Konferensi Keliling Jerman	Cibinong, 21 January 2016	
152	Samsul A. Yani, S.Si	Pelatihan Budidaya Jamur Merang <i>(Training on Cultivation of Oyster Mushroom)</i>	Karawang, 3-4 February 2016	
153	Bambang sulistio, S.Si	Workshop Penyusunan Analisa Jabatan <i>(Workshop on Preparation of Job Analysis)</i>	Jakarta, 16 February 2016	
154	Yunita, SP	Workshop Penyusunan Analisa Jabatan <i>(Workshop on Preparation of Job Analysis)</i>	Jakarta, 16 February 2016	
155	Riana Hartati, S.Si.	Pelatihan Hidroponik <i>(Training on Establishing of Hydroponic)</i>	Jakarta, 24 February 2016	
156	Budiyono	Pelatihan Hidroponik <i>(Training on Establishing of Hydroponic)</i>	Jakarta, 24 February 2016	
157	Dr. Arief Sabdo Yuwono	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
158	Dewi Suryani Oktavia, M.M.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
159	Tenni Wahyuni	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
160	Ratnaningsih, S.Si.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
161	Ir. Ina Retnowati	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
162	Ryna Mardiyana Siahaan, S.Si.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
163	Riana Hartati, S.Si.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
164	Yuni Puspita Sari, M.M.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
165	Indah Wahyuni, S.Si.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
166	Alfi Dwi Nugroho, A.Md.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
167	Drs. Arman R. Haryono	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
168	Agus Sujadi	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
169	Armaiki Yusmur, S.Si	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
170	Arif Nuryadin, B.Sc.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
171	Asep Syarif Hidayat, M.M.Pd.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
172	Asep Syaefudin, S.E.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
173	Asep Saepudin	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
174	Fitri Junaedy, S.E.I.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
175	M. Tajudin, M.M.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
176	Budi Cahyadi, S.Si.	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
177	Didit Trisnadi	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
178	Yusup	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
179	Taofik Rokayat	In House Training Household Scale Composting Technology	Bogor, 16 February 2016	
180	Dr. Arief Sabdo Yuwono	In House Training Household Scale Composting Technology	Bogor, 23 February 2016	
181	Zaenal Abidin	In House Training Household Scale Composting Technology	Bogor, 23 February 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
182	Asim	In House Training Household Scale Composting Technology	Bogor, 23 February 2016	
183	Dr. Arief Sabdo Yuwono	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
184	Dr. Irdika Mansur	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
185	Dr. Jesus C. Fernandez	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
186	Dr. Hartrisari	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
187	Wheni Haslinawati, M.Bio-tech	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
188	Rosianadewi Dinaryanti, M.Si.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
189	Rizkia Tirtani	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
190	Peri Siantuni	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
191	Wati Madyawati	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
192	Jonner Situmorang, M.Si.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
193	Riza Fadli Assegaf	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
194	Samsul A. Yani, S.Si.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
195	Erina Sulistiani, M.Si.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
196	Bambang Sulistio, S.Si.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
197	Budiyono	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
198	Harry Imantho, M.Sc	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
199	Deki Zulkarnain, S.Sos.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
200	Risa Rosita, S.Si.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
201	Dewanti Pratiwi, S.Hut.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
202	Yunita, S.P.	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
203	Didi Junaedi, A.Md	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	
204	Sugandi	In House Training Household Scale Composting Technology	Bogor, 29 February 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
205	Riana Hartati, S.Si.	Pelatihan Hidroponik <i>(Training on Establishing of Hydroponic)</i>	Jakarta, 4 March 2016	
206	Santi Ambarwati, M.Si.	Training Course of Food Safety	Belanda, 7-28 March 2016	
207	Harry Imantho, M.Sc	Seminar Rancangan Aktualisasi Nilai-Nilai Dasar PNS Diklat Prajabatan Golongan III Seminar Rancangan Aktualisasi Nilai-Nilai Dasar PNS Diklat Prajabatan Golongan III <i>(Seminar on Development Activity Plan on Implementation of Civil Servant Core Values)</i>	Depok, 16 March 2016	
208	Dr. Jesus C. Fernandez	Stadium Generale TIN tahun 2016	Bogor, 16 March 2016	
209	Manik Hasri, S.H.	Pelatihan Pengadaan Barang/Jasa <i>(Training on Procurement)</i>	16-18 March 2016	
210	Herni Widhiastuti, S.Si.	Pelatihan Pengadaan Barang/Jasa <i>(Training on Procurement)</i>	16-18 March 2016	
211	Bambang Sulistio, S.Si.	Workshop Penyusunan Jabatan SEAMEO Centre <i>(Workshop on Job Positions at SEAMEO Centre in Indonesia)</i>	Bogor, 29-31 March 2016	
212	Yunita, SP	Workshop Penyusunan Jabatan SEAMEO Centre <i>(Workshop on Job Positions at SEAMEO Centre in Indonesia)</i>	Bogor, 29-31 March 2016	
213	Dr. Irdika Mansur	Workshop Minyak Atsiri <i>(Workshop on Essential Oils)</i>	Bandung, 2-4 April 2016	
214	Dr. Supriyanto	Workshop Minyak Atsiri <i>(Workshop on Essential Oils)</i>	Bandung, 2-4 April 2016	
215	Jonner Situmorang, M.Si.	Workshop Minyak Atsiri <i>(Workshop on Essential Oils)</i>	Bandung, 2-4 April 2016	
216	Dr.Jesus C.Fernandez	Lokakarya Penyusunan Working Papers SEAMEO QITEP in Language <i>(Workshop on Preparation of Working Paper SEAMEO QITEP in Language)</i>	Bogor, 4-7 April 2016	
217	Harry Imantho, M.Sc	Workshop Penyusunan Program 2017 <i>(Workshop on Annual Development Plan for Year 2017)</i>	Bandung, 4-7 April 2016	
218	Risa Rosita, S.Si	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
219	Dr. Arief Sabdo Yuwono	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
220	Dr. Jesus C. Fernandez	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
221	Dr. Dewi Wulandari	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
222	Samsul A. Yani, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
223	Ir. Sri Widayanti	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
224	Ir. Erina Sulistiani, M.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
225	Santi Ambarwati, M.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
226	Budi Cahyadi, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
227	Woro Kanti Darmastuti, M.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
228	Dewanti Pratiwi, S.Hut	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
229	Tenni Wahyuni	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
230	Rizkia Tirtani	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
231	Ira Mutiara, S.E.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
232	Nijma Nurfadila, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
233	Riana Hartati, S.Si	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
234	Wina Febrianti, S.Pi.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
235	Slamet Widodo, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
236	Didi Junaedi, A.Md.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
237	Anidah, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007	SEAMEO BIOTROP, 4-5 April 2016	
238	Lillys Betty Yulawati, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
239	Rosadi, S.Pd.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
240	Achmad Syuhada, S.Si.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
241	Sunardi Ikay	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
242	Haritz Cahya Nugraha, M.T.	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
243	Siti Lastiah	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
244	Peri Siantuni	Pelatihan Audit Internal Sistem Manajemen SEAMEO BIOTROP Berdasarkan Standar Pedoman KNAPPP 02:2007 <i>(Training on Internal Audit Management of SEAMEO BIOTROP According to KNAPPP 02:2007 Sandards)</i>	SEAMEO BIOTROP, 4-5 April 2016	
245	Harry Imantho, M.Sc	Seminar Rancangan Aktualisasi Nilai-Nilai Dasar PNS Diklat Prajabatan Golongan III <i>(Seminar on Development Activity Plan on Implementation of Civil Servant Core Values)</i>	Depok, 9 April 2016	
246	Suprpto	Workshop Penyusunan Analisa Jabatan	Bandung, 10-11 April 2016	
247	Yunita, SP	Workshop Penyusunan Analisa Jabatan	Bandung, 10-11 April 2016	
248	Fitri junaedy, SEI	Workshop Penyusunan Analisa Jabatan	Bandung, 10-11 April 2016	
249	Harry Imantho, M.Sc	Seminar Rancangan Aktualisasi Nilai-Nilai Dasar PNS Diklat Prajabatan Golongan III <i>(Seminar on Development Activity Plan on Implementation of Civil Servant Core Values)</i>	Banten, 11 April 2016	
250	Yuni Puspita Sari, MM	Diklat Arsiparis Ahli <i>(Training on Advanced Archive Management)</i>	Bogor, 11 April-8 June 2016	
251	Lidia Defita, S.Kom	Diklat Arsiparis Tingkat Dasar <i>(Training on Basic Archive Management)</i>	Bogor, 11 April – 2 June 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
252	Peri Siantuni	Diklat Arsiparis Tingkat Dasar <i>(Training on Basic Archive Management)</i>	Bogor, 11 April – 2 June 2016	
253	Lukman Haris,S.Si	Pelatihan Aplikasi Komputer di Lingkungan Kementerian Pendidikan dan Kebudayaan <i>(Training on Computer Application for Staff at Ministry Education and Culture of Indonesia)</i>	Cisarua, 18-26 April 2016	
254	Harry Imantho,M.Sc	Workshop Manajemen Ilmu Pengetahuan dan Teknologi Informasi, SEAMEO RECFON <i>(Workshop on Knowledge Management and Information Technology of SEAMEO RECFON)</i>	Jakarta, 18 April 2016	
255	Dr. Arief Sabdo Yuwono	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
256	Asep Syaefudin, S.E.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
257	Bambang Sulistio, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
258	Rima Febriana, S.E.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
259	Samsul A. Yani, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
260	Harry Imantho, M.Sc.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
261	Dr. Hartrisari Hardjomi-djojo	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
262	Asep Syarif Hidayat, M.M.Pd.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
263	Erina Sulistiani, M.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
264	Santi Ambarwati, M.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
265	Ir. Sri Widayanti	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
266	Indah Wahyuni, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
267	Risa Rosita, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
268	Anidah, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
269	Nijma Nurfadila, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
270	Ferdy Pattikayhatu, S.Pi.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
271	Herni Widhiastuti, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
272	Wina Febrianti, S.Pi.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
273	Riana Hartati, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
274	Siti Lastiah	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
275	Manik Hasri, S.H.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
276	Lillys Betty Yulawati, S.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
277	Yunita, S.P.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
278	Woro Kanti Dharmastuti, M.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
279	Tenni Wahyuni, A.Md.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
280	Ira Mutiara, S.E.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
281	Dewanti Pratiwi, S.Hut.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
282	Wheni Haslinawati, M.Bio-tech	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
283	Aan Darwati, A.Md.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
284	Rosianadewi Dinaryanti, M.Si.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
285	Ir. Ina Retnowati	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
286	Fitri Junaedy, S.E.I.	In House Training - Pelatihan Pengenalan dan Interpretasi Sistem Manajemen Mutu Berdasarkan ISO 9001:2015 <i>(In-house Training on Interpretation of Quality Management System of ISO 9001:2015)</i>	SEAMEO BIOTROP, 19-20 April 2016	
287	Anidah	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
288	Arif Nuryadin	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
289	Dewi Rahmawati	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
290	Dr. Dewi Wulandari	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
291	Ferdy Pattikayhatu, S.Pi	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
292	Heriyanto	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
293	Herni Widhiastuti	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
294	Iman	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
295	Ir. Ina Retnowati	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
296	Indah Wahyuni	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
297	Lillys Betty Y.	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
298	Muhammad Sya'roni	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
299	Nijma Nurfadila	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
300	Ratnaningsih	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
301	Riana Hartati	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
302	Risa Rosita	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
303	Rosianadewi Dinaryanti	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
304	Saiful Bachri	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
305	Setiabudi	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
306	Slamet Widodo	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
307	Sri Widayanti	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
308	Sunardi Ikay	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
309	Syifa Fauzia	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
310	Wheni Haslinawati	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
311	Wina Febrianti	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
312	Sri Sudarmiyati	In House Training Penggunaan dan Pemeliharaan Mikroskop <i>(In-house Training on Application and Maintenance of Microscopes)</i>	SEAMEO BIOTROP, 20 April 2016	
313	Dr. Irdika Mansur	AROMA INGREDIENTS-Asian Aroma Ingredients Congress and Expo-Asian Aromatherapy Conference-2016	India, 21-25 April 2016	
314	Dr. Supriyanto	AROMA INGREDIENTS-Asian Aroma Ingredients Congress and Expo-Asian Aromatherapy Conference-2016	India, 21-25 April 2016	
315	M. Hamdani	Training PPC	Cepu, 25-29 April 2016	
316	Wheni Haslinawati, M.Bio-tech	Workshop Pengembangan Pembelajaran Berbasis TIK <i>(Workshop on Development Educational Material using Information and Communication Technology)</i>	Bandung, 27-29 April 2016	
317	Rosianadewi Dinaryanti, M.Si.	Workshop Pengembangan Pembelajaran Berbasis TIK <i>(Workshop on Development Educational Material using Information and Communication Technology)</i>	Bandung, 27-29 April 2016	
318	Syifa Fauzia	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
319	Ir. Ina Retnowati	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
320	Lillys Betty Yulawati, S.Si	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
321	Riana Hartati, S.Si.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
322	Budiyono	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
323	Heriyanto	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
324	Jonner Situmorang, M.Si.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
325	Dewi Rahmawati, S.Si.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
326	Nurdiansyah	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
327	Siti Sulastri Rangkuty	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
328	Achmad Syuhada	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
329	Lydia Ayu Utami	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
330	Herni Widhiastuti, S.Si	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
331	Trijanti A. Widinni	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
332	Indah Wahyuni, S.Si	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
333	Sunardi Ikay	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
334	Risa Rosita, S.Si.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
335	Anidah, S.Si.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
336	Nijma Nurfadila, S.Si.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
337	Ferdi Pattikayhatu, S.Pi.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
338	Sukardi	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
339	M. Iqbal M.	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
340	Imam	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
341	Dr. Dewi Wulandari	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
342	Ir. Sri Widayanti	In House Training Verifikasi/Pemeriksaan Antara Peralatan Laboratorium <i>(In-house Training on Verification and Testing Laboratorium Equipment)</i>	SEAMEO BIOTROP, 13 May 2016	
343	Tika Tresnawati, M.Si	Workshop Innovation Platforms, Rural Advisory Service and Knowledge Management toward inclusive and Sustainable Agricultural and Rural Development (ISRAD)	SEAMEO SEARCA (Filipina), 16-20 May 2016	
344	Didi Juanedi, A.Md.	Training dan Workshop Sukses Berbisnis Minyak Atsiri Nilam <i>(Training-Workshop on Bussines Success of Nilam Essential Oils)</i>	Purwokerto, 20-22 May 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
345	Iman	Training dan Workshop Sukses Berbisnis Minyak Atsiri Nilam <i>(Training-Workshop on Bussines Success of Nilam Essential Oils)</i>	Purwokerto, 20-22 May 2016	
346	Dr. Dewi Wulandari	Workshop Ganoderma <i>(Workshop on Ganoderma)</i>	Bogor, 25-26 May 2016	
347	Bambang Sulistio, S.Si	Workshop Pertanggungjawaban TUP May 2016 <i>(Workshop on Accountability of TUP May 2016)</i>	SEAMEO QITEP in Mathematics (Yogyakarta), 26-28 May 2016	
348	Jujum	Workshop Pertanggungjawaban TUP May 2016 <i>(Workshop on Accountability of TUP May 2016)</i>	SEAMEO QITEP in Mathematics (Yogyakarta), 26-28 May 2016	
349	Herman Apriadi, S.E.	Workshop Pertanggungjawaban TUP May 2016 <i>(Workshop on Accountability of TUP May 2016)</i>	SEAMEO QITEP in Mathematics (Yogyakarta), 26-28 May 2016	
350	Soleh	Workshop Pertanggungjawaban TUP May 2016 <i>(Workshop on Accountability of TUP May 2016)</i>	SEAMEO QITEP in Mathematics (Yogyakarta), 26-28 May 2016	
351	Asep Syaefudin, SE	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
352	Bambang Sulistio, S.Si	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
353	Rima Febriana, SE	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
354	Samsul A. Yani, S.Si	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
355	Harry Imantho, M.Sc	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
356	Dr. Hartrisari	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
357	Asep Syarif Hidayat, SE, MMPd	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
358	Dewi Suryani, MM	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
359	Dr. Dewi Wulandari	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
360	Ir. Sri Widayanti	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
361	Drh. Arman R. Haryono	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
362	Agus Sujadi	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
363	Alfi Dwi Nugroho, A.Md	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
364	Wati Madyawati	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
365	M. Tajudin, SE, MM	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
366	Ir. Erina Sulistiani, M.Si	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
367	Santi Ambarwati, M.Si	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
368	Arif Nuryadin, B.Sc	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
369	Budi Cahyadi, S.Si	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
370	Ratnaningsih, S.Si.	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
371	Armaiki Yusmur, S.Si	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
372	Slamet Widodo, S.Si.	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
373	Tenni Wahyuni, A.Md.	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
374	Wheni Haslinawati, M.Bio-tech	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
375	Dewanti Pratiwi	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
376	Dr. Arief Sabdo Yuwono	In House Workshop on Seven Habits of Highly Effective People	SEAMEO BIOTROP, 30-31 May 2016	
377	Ferdy Pattikayhatu, S.Pi	Coastal Remote Sensing Laboratory Workshop	Yogyakarta, 30 May – 3 June 2016	
378	Prof. Drh. Bambang Purwantara, MSc, PhD	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
379	Dr. Dewi Wulandari	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
380	Wina Febrianti, S.Pi	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
381	Nijma Nurfadila, S.Si	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
382	Indah Wahyuni, S.Si	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
383	Rosianadewi Dinaryanti, M.Si	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
384	Wheni Haslinawati, M.Bio-tech	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
385	Ir. Sri Widayanti	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
386	Dewanti Pratiwi, S.Hut	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
387	Ir. Ina Retnowati	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
388	Dewi Rahmawati, S.Si	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	

No.	Name	Title of Activity	Venue and Date	Title of Paper Presented
389	Saiful Bachri, S.Si	In House Workshop Pelaporan Penelitian dan Pelatihan Pertanggungjawaban Dana Penelitian DIPA 2016 SEAMEO BIOTROP <i>(In-house Workshop on Development Training, Research and Fund Usage Reports)</i>	SEAMEO BIOTROP, 1-2 June 2016	
390	Dr. Idham S. Harahap	Pelatihan Pengelolaan Hama Gudang Terpadu (PHGT) <i>(Training on Integrated Stored-Pest Management)</i>	Jakarta, 2-4 June 2016	
391	Ir. Sri Widayanti	Pelatihan Pengelolaan Hama Gudang Terpadu (PHGT) <i>(Training on Integrated Stored-Pest Management)</i>	Jakarta, 2-4 June 2016	
392	Yuni Puspita Sari	Studi Banding ke ANRI <i>(Comparative Study on Archive Management to ANRI)</i>	Jakarta, 2 June 2016	
393	Peri Siantuni	Studi Banding ke ANRI <i>(Comparative Study on Archive Management to ANRI)</i>	Jakarta, 2 June 2016	
394	Wheni Haslinawati, M. Biotech	Pelatihan Aplikasi-Aplikasi Komputer untuk Peningkatan Kinerja Pegawai <i>(Training on Computer Application for Improving Staff Performance)</i>	Bogor, 9-18 June 2016	
395	Rosianadewi Dinaryanti, M.Si	Pelatihan Aplikasi-Aplikasi Komputer untuk Peningkatan Kinerja Pegawai <i>(Training on Computer Application for Improving Staff Performance)</i>	Bogor, 9-18 June 2016	

Appendix 6. List of Memorandum of Understanding (MoU) Memorandum of Agreement (MoA) Signed in FY 2015/2016

No	Organization/agency	Date Signed	Subject of Cooperation	Duration
On Going - National				
1	Yayasan Inisiatif Indonesia Biru Lestari (WAIBL)	10 August 2015	To engage in developing and enhancing professional skills of their respective staff and stakeholders in conducting research and capacity building activities on Agro-Ecology, and developing case study materials and other relevant forms of publications in the field of Blue Economy	10 August 2015- August 2017 (2 Years)
2	The University of Jember	28 September 2015	<ol style="list-style-type: none"> 1. Academic and Research collaboration in the areas of mutual interest. 2. Exchange of academic information, scholarly information, materials and publications. 3. To conduct joint seminars, workshops, academic meetings and other necessary exchanges between two institutions. 	28 September 2015 - 27 September 2018 (3 Years)
4	University of Jambi	7 September 2015	<ol style="list-style-type: none"> 1. Joint implementation of research, capacity building, and information exchange programs, projects and other related activities whenever and wherever feasible opportunities present themselves; and 2. Staff and student exchange and consultations on relevant research, training, and other learning events. 	7 September 2015 - 6 September 2018 (3 Years)
5	PT Arah Environmental Indonesia	7 September 2015	Pelayanan Pengelolaan Limbah B3 yang meliputi pengangkutan, pemusnahan, pengolahan, dan/atau pemanfaatan Limbah B3 <i>(Service of Waste Management of B3 which includes transportation, culling, processing, and / or utilization of B3)</i>	7 September 2015 - 6 September 2017 (2 Years)
6	Dharmajaya Agritama Gemilang, PT	15 September 2015	Penyediaan bibit Jati, transfer teknologi tepat guna dan layanan penyuluhan <i>(Provision of Teak seedlings, transfer of appropriate technology and counseling service)</i>	15 September 2015 – 14 September 2017 (2 Years)
7	PT Nugroho Pratama Chemica Asia (PT NPCA)	1 October 2015	Pembinaan sumber daya manusia dalam bidang-bidang Pelatihan, Penelitian, Pelayanan, Pembangunan Sumber Daya Manusia, dan kegiatan-kegiatan lain <i>(Human resources development in the areas of training, research, services and other activities)</i>	1 October 2015 - 30 September 2018 (3 Years)
8	PT. EDPMEDIA	4 January 2016	Kerja Sama Pemasaran Product Digital Globe Satellite Imagery <i>(Cooperation of Product Marketing of Digital Globe Satellite Imagery)</i>	4 January 2016 - 31 December 2016 (1 year)
9	Wikrama Vocational School	2 February 2016	Pendidikan Pembangunan Berkelanjutan Dalam Kegiatan Sekolah <i>(Sustainable Education Development)</i>	2 February 2016 - 1 February 2019 (3 Years)

No	Organization/agency	Date Signed	Subject of Cooperation	Duration
On Going - National				
1	Sam Ratulangi University	24 May 2016	1. Staff Exchanges; 2. Research and Internship Programmes; and; 3. Collaborative Projects in Areas of Mutual Interest.	24 May 2016 - 23 May 2019 (3 Years)
On Going – Regional/International				
1.	SEAMEO Regional Centre for Special Education (SEAMEO SEN)	15 February 2016	1. Joint implementation of research, capacity building, and information exchange programs, projects and other related activities whenever and wherever feasible opportunities present themselves; and 2. Staff and special education teacher exchange and consultations on relevant research, training, and other learning events.	15 February 2016 - 14 February 2019 (3 Years)
2.	Malaysian Agricultural Research and Development Institute (MARDI)	24 May 2016	Cooperate in research and development and capacity building on tropical biodiversity	24 May 2016 – 23 May 2021 (5 Years)
Completed - National				
1.	Monsanto-PT BRANITA SHANDINI	28 July 2015	Biotech goes to campus activities' series in Universities in Jakarta, Bandung and Jember between July-November 2015.	28 July 2015 - 28 August 2015 (30 days)
2.	University of Sumatera Utara	28 August 2015	1. Joint implementation of research, capacity building, and information exchange programs, projects and other related activities at any feasible opportunities present themselves; and 2. Staff and student exchange and consultations on relevant research, training, and other learning events.	28 August 2015 - 28 January 2016 (6 Months)
3.	PT Nugroho Pratama Chemica Asia (PT NPCA)	1 October 2015	1. Mengadakan Pelatihan Pengendalian Hama Gudang Terpadu (PHGT) kepada staf internal PT ISM Bogasari Flour Jakarta. Pelaksanaan 2 batch yaitu tanggal 6-7 Oktober 2015 dan 2-3 November 2015. 2. PT NPCA dan PT Syngenta Indonesia : Menyelenggarakan Workshop Professional Storage Pest Management: efforts to minimize losses on commodity quality tanggal 8 Oktober 2015.	1 October 2015 - 31 December 2015 (3 Months)
4.	Bidang Kelautan pesisir dan Pulau-Pulau Kecil Pada Dinas Kelautan dan Perikanan Kabupaten Nias	23 October 2015	Pengadaan Peta Citra Satelit pada Kegiatan Survey dan Pemetaan Potensi Sumberdaya Kelautan dan Perikanan Kabupaten Nias	23 October 2015 - 31 October 2015

No	Organization/agency	Date Signed	Subject	Duration
Completed - National				
1.	Direktorat Pendidikan Diniyah Dan Pondok Pesantren Direktorat Jenderal Pendidikan Islam	4 November 2015	Pengembangan Dan Peningkatan Mutu Tenaga Teknis Pondok Pesantren Agribisnis, Perikanan Dan Peternakan.	4 November 2015 - 9 January 2016 (Certificate issued)
2.	Badan Perencanaan Pembangunan Daerah Kabupaten Tangerang	3 December 2015	Program Penelitian dan Diseminasi Melalui Kegiatan Diseminasi Sistem Informasi Geografis (SIG) Bidang Perencanaan Lingkungan Hidup dan Fasilitas Umum	3 December 2015 - 16 December 2015 (14 Days)
3.	Land Equity International Pty Limited	16 May 2016	Pelaksanaan Pelatihan Sistem Informasi Geografis (SIG/GIS) Intensif Untuk Peningkatan Kapasitas Pemerintah Di Wilayah Kerja Proyek PMAP2	16 May 2016 - 15 June 2016 (1 Month)
4.	Eastern Pearl Flour Mills, PT	30 May 2016	<i>Melaksanakan kegiatan Pelatihan Pengelolaan Hama Gudang Terpadu (PHGT) tanggal 2-4 Juni 2016 di kantor dan gudang PT Eastern Pearl Flour Mills</i>	30 May 2016 - 29 June 2016 (1 Month)

No	Organization/agency	Date Signed	Subject	Duration
Completed – Regional/International				
1.	The Food and Agriculture Organization of the United Nations, Rome, Italy	25 August 2015	Co-publishing Agreement: to co-publish an English language edition of the work provisionally entitled: "Proceedings of the Regional Seminar-Workshop on Harmonizing Methods in Risk Assessment and Management of Forest Invasive Plant Species in Southeast Asia"	25 August 2015 (1 Day)
2.	SEAMEO Secretariat/ SEAMEO College PMO	23 March 2016	Letter Contract for the Conduct of SEAMEO College Research 6: A Participatory Action Research on School and Community-based Food and Nutrition Program for Literacy, Poverty Reduction and Sustainable Development	23 March 2016 - 22 April 2016 (1 Month)

Appendix 7. Number of Accreditation/Certification

No	Accreditation/Certification	Issued by	Date Issue	Duration
1	ISO/IEC 17025: 2015, Accreditation Number: LP-221-IDN (Maintained)	Komite Akreditasi Nasional (National Accreditation Committee of Indonesia)	30 January 2013	4 Years (30 January 2013 - 29 January 2017)
2	ISO 9001: 2008, Certification Number: QSC 00720 (renewal)	SUCOFINDO International Certification Services	28 May 2015	3 Years (28 May 2015 - 27 May 2018)
3	KNAPPP (Accreditation for Research and Development Organization), Accreditation Number: PLM-026-INA-2010 (Maintained)	Komite Nasional Akreditasi Pranata Penelitian dan Pengembangan (National Accreditation Committee for Research and Development of Indonesia)	4 December 2013	3 Years (4 December 2013 – 3 December 2016)
4	ISO 9001:2008 for Educational at Master of Science in Information Technology for Natural Resources Management (MIT-NRM), certification Number (Maintained)	SUCOFINDO International Certification Services	13 June 2014	3 Years (13 June 2014 – 12 June 2017)
5	Environmental Laboratory (Maintained)	Ministry of Environment, Republic of Indonesia	5 June 2013	4 Years (5 June 2013 – 29 January 2017)

SEAMEO BIOTROP Staff for FY 2015 - 2016

Name

Dr Irdika Mansur, M.For.Sc

Centre Director

Jesus C Fernandez, PhD

Deputy Director for Programme

Dr Arief Sabdo Yuwono

Deputy Director for Resource Management

Researchers

Prof Dr Okky Setyawati Dharmaputra

Mycology; Pest of Stored Products

Dr Supriyanto

Silviculture

Dr Vincentius P Siregar

Coastal Management (Marine Remote Sensing and GIS)

Dr Sri S Tjitrosoedirdjo

Botanist (Weeds & Invasive Alien Plant species)

Dr Hartrisari Hardjomidjojo

Industrial Technology & System Modelling

Dr Ulfah Siregar

Biotechnology and Plant Breeding

Dr Idham Sakti Harahap

Stored Product and Urban Entomology

Dr Nur Bambang Priyo Utomo

Aquaculture and Aquatic Ecology

Dr Soekisman Tjitrosoedirdjo

Weed Scientist & Plant Physiologist

Dr Dewi Wulandari

Mycology (Mycorrhiza) and Environmental Science

Supporting Staff

Dr Impron, M.Agr.Sc.

MIT Programme Coordinator

Mr Asep Syarif Hidayat

Finance and Accounting Manager

Mr Asep Syaefudin

Facilities Management Manager

Mr Harry Imantho, MSc

Knowledge Management Manager

Mr Samsul A. Yani

Product Development and Services Manager

Ms Rima Febriana

General Administration & Public Relation Manager

Mr Bambang Sulistio

Human Resources Management Manager

Dr Jesus C. Fernandez

Capacity Building and Community Development Manager

Mrs Dewi Suryani, MM.

IndoBIC Programme Manager

Ms Tenni Wahyuni

Secretary to Board of Directors

Dr Jesus C. Fernandez

Research Department

Dr. Dewi Wulandari

Environmental Integrity Program Coordinator

SEAMEO BIOTROP Governing Board Members

INDONESIA

Prof Dr Herry Suhardiyanto, MSc

Rector

Bogor Agricultural University

Gd. Andi Hakim Nasoetion , Rektorat Lt.II

Kampus IPB Darmaga

Bogor 16680, Indonesia

Phone : +62(251)8622634

Fax : +62(251)8622708

Email : rektor@ipb.ac.id

herrysto@yahoo.co.id

4 July 2014 - 3 July 2016

BRUNEI DARUSSALAM

Mrs Hj Zaitunah Haji Kurus

Head of School/Education Officer Special Level

School of Agro-Technology & Applied Sciences

Institute of Brunei Technical Education

Agro-Technology Campus

Jalan Wasan, Kampong Limau Manis, Mukim Pengkalan Batu

Bh2323 Negara Brunei Darussalam

Phone : +673 7134008/+673 2683230

Fax : +673 2683133

E-mail : zaitunah.kurus@wvs.moe.edu.bn

zy_5262@yahoo.com

CAMBODIA

Mr UK Onnorong

Head of Biology Department

Faculty of Science

Royal University of Phnom Penh (RUPP)

Russian Federation Boulevard

Tuol Kork, Phnom Penh, Cambodia

Mobile : +855-12-645-615

Fax : +85523880116

Email : onnorong@yahoo.com

14 June 2014 - 13 June 2017

LAO PDR

Mr Khamphone Mounlamai

Director of Planning and Cooperation Division

National Agriculture and Forestry Research Institute

Nongviengkham Vilage (Dongdok)

Saysthattha Distric, Vientiane, Lao PDR

Phone : +856(20)21771594

Fax : +856(21)771593

Email : khamphonedpcd@gmail.com

4 July 2014 - 3 July 2017

MALAYSIA

Dr Zulkifli Mohamed Hashim

Deputy Secretary General (Science)

Ministry of Science, Technology & Innovation (MOSTI)

MALAYSIA

Mobile : +60193888031

Email : dr.zulkifli@mosti.gov.my

MYANMAR

Dr San Win

Rector, University of Forestry

Yezin, Nay Pyi Taw

Phone : +95-67-416520

Fax : +95-67-416519

Email : sanwin.env@gmail.com

3 October 2014 - 2 October 2017

PHILIPPINES

Prof Florencia G. Claveria, PhD

Biology Department, College of Science

De La Salle University

Traft Avenue, Manila

Philippines

Phone : +632-5244611 (460,462, 463)

Fax : +632-5360228

Email : florencia.claveria@dlsu.edu.ph

16 May 2014 - 15 May 2017

SINGAPORE

Prof Wong Sek Man

Director

Tropical Marine Science Institute

National University of Singapore

14 Science Drive 4

Lower Kent Ridge Road

Singapore 117543,

Phone : (65)-65162976

Fax : (65)-67792486

Email : dbswsm@nus.edu.sg

24 July 2014 - 23 July 2017

TIMOR LESTE

Ir Acacio Guterres, MSc

Lecturer

Faculty of Agriculture

University of Timor Leste

Villa Verde Dili, Timor Leste

Phone : +67077813154

Email : acacio.guterres@gmail.com

3 September 2014 - 2 September 2017

THAILAND

Dr Chongrak Wachrinrat

Dean, Faculty of Forestry

Kasetsart University

50 Ngam Wong Wan Road

Chatuchak, Bangkok 10900

Phone : +66(0)25790170 Ext 109

Fax : +66(0)25614246

Email : fforcw@ku.ac.th

3 September 2014 - 2 September 2017

VIETNAM

Assoc. Prof Dr Nguyen Thi Lhan

President

Vietnam National University of Agriculture

Ngo Xuan Quang Street - Trauquy - Gialam

Hanoi , Vietnam

Phone : 84 4 38276346

Fax : 84 4 38276554

Email : lanjp2000@yahoo.com; nguyenlan@vnu.edu.vn

22 August 2014- 21 August 2017

SEAMEO BIOTROP

Jalan Raya Tajur Km. 6 Bogor 16134 - Indonesia

Phone +62-251-8323848

Fax. +62-251-8326851

www.biotrop.org