



**Special Issue:  
IPB KU International Symposium on Education and Research  
in Global Environmental Studies in Asia**

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# IPB KU International Symposium on Education and Research in Global Environmental Studies in Asia

(Nov. 30 – Dec. 2, 2018)

## 1. Introduction to the Symposium and Satellite Events

By Hidenori Harada, Assistant Professor, GSGES

The IPB KU International Symposium on Education and Research in Global Environmental Studies in Asia was held from November 30 to December 2 at the IPB International Convention Center. The symposium was sponsored by the Embassy of Japan in Indonesia, Japan Society for the Promotion of Science (JSPS), and the Japan Student Service Organization (JASSO) and marks the 60th anniversary of the establishment of diplomatic relations between Japan and Indonesia. Funding was provided by Kyoto University International Symposium Aid, JSPS and Japan's Science and Education Ministry MEXT. There was a total of 195 attendees from nine Asian countries -- 161 researchers and students from 19 universities, and 34 representatives of other organizations.

The Symposium opened with an address from IPB Vice Rector Dodik Ridho Nurrochmat. Six sub-sessions and a tour of the Bogor Botanical Gardens followed. The afternoon of day two featured a plenary session on international collaboration in the areas of education and research in Asia. Opening remarks from IPB Rector Arif Satria and KU President Juichi Yamagiwa initiated the session, and this was followed by a congratulatory address from Mr Keiichi Yamaguchi, First Secretary at the Embassy of Japan. Then, signing ceremonies were held to extend the MOU on academic cooperation between Kyoto University and Bogor Agricultural University and to establish a double degree program between Kyoto University and Tsinghua University. Keynote lectures were delivered by Professor Ernan Rustiadi, head of the IPB Center for Regional Planning and Development Studies, and Professor Eiji Nawata, dean of the KU Graduate School of Agriculture, followed by [research] presentations from students and young researchers on topics related to their environmental studies. IPB Rector Arif Satria, and Professor Shigeo Fujii of the KU Graduate School of Global Environmental Studies delivered the closing remarks. The three-day event wrapped up on December 2 with

two study tours: the Gunung Halimun National Park, and the Prasadha Pamunah Limbah Industri (PPLi).

During the Symposium, President Yamagiwa and other KU representatives paid courtesy visits to the IPB Rector. Other activities held in conjunction with the symposium included a meeting of KU Indonesian alumni with 110 participants, and a "Study in Kyoto and Bogor Fair", which attracted 200 students from local universities and high schools.

地球環境学堂はインドネシア・ボゴール農科大学と共催で、本学への留学に関心がある高校生を対象に留学フェアを開催しました。本留学フェアは、独立行政法人日本学生支援機構（JASSO）、在インドネシア日本国大使館の協力のもと開催され、本学やボゴール農業大学の紹介や個別説明などを行い、200名の参加がありました。

本留学フェアは山極壽一 総長のウェルカムスピーチではじまり、続いて JASSO から日本学生支援機構奨学金、在インドネシア日本国大使館から文部科学省奨学金についてそれぞれ説明がありました。また本学国際教育交流課も本学で学ぶ魅力やプログラムについての紹介を行いました。続いて 学部進学者を対象としたプログラムとして、国際高等教育院が Kyoto iUP を、工学部が International Course Program in Civil Engineering をそれぞれ紹介し、地球環境学堂、農学研究科、工学研究科、人間・環境学研究科、アジア・アフリカ地域研究研究科がそれぞれの大学院におけるプログラムの特徴について説明を行いました。またボゴール農業大学も、学部および大学院プログラムの紹介を行いました。

プレゼンテーションの最後には、京都大学のグッズ等が当たる抽選会が実施され、Dase Hunaefi ボゴール農業大学国際プログラム事務局 副局長、Ernan Rustiadi 同教育プログラム部長、稲葉カヨ 理事・副学長がくじを引くなど大いに盛り上がりました。また、同個別説明のブースでは、学生と教職員の間で活発な質疑応答が交わされ、フェアは盛況のうちに終了しました。

## 2. Sub-session

(Nov. 30 – Dec. 1, 2018)

### 2-1. Achievements and Challenges in GSGES: Research, Education, and Trans-border Partnerships

(July. 14 – Sep. 20, 2018)

By Makoto Usami, Professor, GSGES

Since 2002, the GSGES has been developed as a multidisciplinary graduate school focusing on human and natural environments as well as environmental issues. This session discussed the school's current situation, achievements, and challenges in relation to education and research, with special attention to its collaboration with some leading universities in East and Southeast Asian countries. Chaired by Makoto Usami, the session began with welcome addresses delivered by Prof. Kayo Inaba, Executive Vice-President for Gender Equality, International Affairs, and Public Relations at Kyoto University and by Prof. Dodik Ridho Nurrochmat, Vice Rector for Cooperation and Information Systems at Bogor Agricultural University (IPB). In the first part of the session, titled The School's Achievements and Challenges, there were three presentations. The first was from Prof. Shinya Funakawa, Dean of the GSGES. He discussed the school's basic principles and organizations as well as the research activities of its faculty members and students. Next, Prof. Takeshi Katsumi, Vice

Dean, focused on the school's educational programs, achievements, and challenges. The last presenter, Prof. Shigeo Fujii, Chair of Sansai-Gakurin, discussed how the school provides the general public with academic knowledge and how it develops international collaboration with its counterparts. In the second part, titled Faculty Members' Research and Educational Activities, there were two presentations. Dr. Izuru Saizen, associate professor in the GSGES, gave a presentation on "Rural Development by Regional Resource Utilization in Southeast Asian Countries," and Dr. Jane Singer, associate professor in the school, spoke on the topic "Collaborative Learning and Research on Community Resilience and ESD." In the free discussion that was held in each part of the session, numerous participants got actively involved in the exchange of ideas and opinions on the school's projects and its faculty members' research and educational activities.

### 2-2 Research Presentations on Global Environmental Studies (9:00-11:30, November 30)

By Hidenori Harada, Assistant Professor, GSGES

In sub-session 2, ten young researchers from Japan, Indonesia, Vietnam and the Philippines presented their own research based on their studies on the global environment. Those in the audience showed considerable interest in their presentations and asked the speakers a number of questions during discussion time. This was a good opportunity to exchange opinions.

サブセッション2では若手研究者による口頭研究発表を行いました。発表者は元留学生を中心に日本、インドネシア、ベトナム、フィリピンの大学で研究する若手研究者計10名であり、地球環境問題について様々な視点から行われた研究内容を発表していました。発表時間8分、質疑応答5分と限られた時間の中、参加者から多くの質問があり、発表内容に対する高い関心が伺えました。



*Presentation by young researchers*



*Presentation by young researchers*



発表者と発表題目は下記の通りです。

1. Water Filtration using Xylem Tissue of Tropical Plant in Malaysia (Aliah Binti Hashim)
2. Revitalization of integrated Tapioca Industry to Upstream-Downstream Human Resource Empowerment in Enhancing Self-Food Sufficiency (Aprillia Findayani)
3. Utilization of yellowfin tuna (*Thunnus albacares*) stomach as pepsin enzyme source using ammonium sulphate precipitation method (Ewi Pasaribu)
4. Spatial analysis of the relationship between land use and river-water quality focusing on the nested structure of watersheds -Case study of Yura-river watershed, Japan- (Minori Tokito)
5. The dynamics of sustainability transition in developing country: Evidence from hydropower development in Cambodia (Ratana Pich)
6. Strategy of Planting Native Trees in Potential Green Open Space to Support Landscape Identity of Bogor City (Remiya Samantha)
7. Embedment of copper oxide particles on paper using ascorbic acid as reducing agent (Ronniel Diaz Manalo)
8. Technology SBR in Vietnamese municipal wastewater treatment and their modification with bio-carrier Biochip (Tran Ha Quan)
9. Potential Application of Granulated Blast Furnace Slag As an Alternative Geo-Material for Sustainable Development in Vietnam (Tran Thanh Nhan)
10. Preliminary Design of Production System on Paddy Variety Inpari 30 Ciharang Sub 1 by Improved Yield and Productivity through Biomass and Mineral and Water Management (Vista Dwi Yulianti)

## 2-3. Industry-Academia Collaboration on Environmental Engineering and Technologies (13:30-16:45, November 30)

Kazuyuki Oshita, Associate Prof. Graduate School of Engineering.

From the afternoon of 30th Nov., 2018, sub session 3 was held under the title “Industry-Academia Collaboration on Environmental Engineering and Technologies.” In this session, seven presenters from the private sector gave presentations on the topic of international business collaboration in the field of environmental technology. Water management and solid waste treatment was discussed, with particular reference to the Indonesian domestic wastewater standard and the structure of international collaboration between Japanese companies and Indonesian universities.

11月30日に開催されたサブセッション3では、午後より、“Industry-Academia Collaboration on Environmental Engineering and Technologies”と題した環境工学分野における産学連携に関するセッションが開催されました。本セッションでは、インドネシアでのビジネス、研究の連携を進めている日本企業を中心に、国際連携の例について紹介いただくとともに、ボゴール農業大学が連携しているヤンマーやDu pont等の企業から、環境技術のニーズ、シーズを含め、最新の動向を含めた情報を提供いただき、今後、産学での連携をどのように進めていくべきか？技術面だけではなく、大学教育や、人材育成の観点からも議論を行うことを目的とし、実施しました。セッションは、大きく前半：浄水・下水処理と、後半：廃棄物処理、農業に分けられ、それぞれのセッション座長を、工学研究科の田中宏明教授、および高岡昌輝教授らが務めました。発表は日本側から4企業、ボゴール農業大学関係や、現地企業から3企

業の事例報告があり、その内容は以下の通りでした。

- ・ 国土交通省、JICA エキスパート、津森ジュン：インドネシア；水・衛生セクションにおける JICA 活動の概要
- ・ 水道技術経営パートナーズ株式会社、山口岳夫：水供給プロジェクト成功のためのキーポイント
- ・ PT Swing 鈴木温雄（水 ing 株式会社のインドネシア現地法人）：PT Swing のインドネシアにおける活動（産業排水処理を中心に）
- ・ PT Prasadha Pamunah Limbah Industri, Mr. Syarif Hiadayat (DOWA エコシステムのインドネシアでの子会社)：インドネシアにおける統合的有害廃棄物処理
- ・ 八千代エンジニアリング株式会社、山内尚：廃棄物分野におけるインドネシアでの八千代エンジニアリング株式会社の活動
- ・ ボゴール農業大学、ヤンマー株式会社、農業連携研究所 Dr. Desrial：ボゴール農業大学とヤンマーの連携研究について
- ・ Du pont ASEAN 株式会社 Devi Kusumaningtyas：農業の未来について



Ministry of Land, Infrastructure, Transport and Tourism,  
(MLIT), Japan and JICA Expert.

## 2-4. Agricultural and Forest Ecosystem Management for Sustainable Development

(13:30-16:00, November 30)

By Mamoru Kanzaki, Professor, Graduate School of Agriculture

Sub-session 4 got underway with opening addresses delivered by Dr. Ir. Suwardi, M.Agr., the Dean of the Faculty Agriculture, IPB and Prof. Eiji Nawata, the Dean of the Graduate School of Agriculture, Kyoto University (KU). This was followed by presentations from eight speakers reporting recent academic achievements that covered a range of topics related to the agricultural and forest sciences. The first speaker, Prof. Shiraiwa (KU), reported on long-term trends in soybean production and discussed the impact of climate change on the crop and the importance of developing new varieties adapted to the changing climate. Dr. Iskandar Lubis (IPB) reported on the performance of soybean cultivars in various soil conditions and talked about the importance of selecting the best cultivars for sustainable production. Prof. Funakawa (KU) discussed clay mineralogical characterization of upland soils in Kalimantan and compared these soils to those of Africa as a way of showing the global variation in tropical soils. Dr. Higuchi (KU) delivered a talk on semi-domesticated wild mango species, which have high market potential,

focusing on their distribution and local knowledge of this species. The last four speakers reported on coastal forest ecosystems. Prof. Cecep Kusmana (IPB) addressed the sustainable utilization of mangrove forest products and their contribution to local communities. Prof. Bambang H. Saharjo (IPB) reported on peat fires in Indonesia and the various challenges in reducing the risk of peat fires in this country. Prof. Kanzaki (KU) gave a presentation looking at the productivity of small scale sago palm plantation on peatlands and discussed the high potential of sago palm for sustainable peatland utilization. Lastly, Dr. Syaiful Anwar (IPB) reported the current condition of peatlands and challenges associated with the reclamation and sustainable management of peatlands. The sub-session was chaired by Prof. Hendrayanto (IPB) and Prof. Kanzaki (KU), and the participants, which included young scientists, engaged in lively and ardent discussions. The sub-session contributed to deepening and expanding the collaboration between Indonesian and Japanese scientists and was brought to a successful conclusion.



*Discussion in the subsession 4*



*Opening addresses by Dr. Ir. Suwardi and Prof. Eiji Nawata*

## 2-5. Achievements of Seed Funding for Young Researchers and Future Perspectives

(10:00-12:30, December 1)

By Izuru Saizen, Associate Professor, GSGES

Sub-session 5 was held to discuss what actions need to be taken to promote international collaborative research and how the seed funding program supports young researchers in partnership universities. Under the chairmanship of Assoc. Prof. Izuru Saizen (GSGES, Kyoto University), presentations were made by four researchers who are supported financially by seed funding and a discussion about collaborative research and future seed funding was held during this session.

セッション5では、Achievements of Seeds Funding for Young Researchers and Future

Perspectivesと題し、これまでにシーズファンドを受給した研究者の発表を基に、地球環境問題の解決に向けた学際的かつ大学の枠組みを超えた連携を実施するための協議、および次年度以降のシーズファンドの改善点について話し合いました。セッションは前半の研究者4名の研究発表、後半のDiscussionパートによって実施されました。冒頭にJSPS拠点プロジェクト代表幹事の地球環境学堂、西前准教授による開会の辞と論点整理が行われ、その後、西前准教授の司会のもと、以下の若手研究者4名の研究報告が行われました。

1. Sanara HOR (Royal University of Agriculture) Monitoring the Expansion of Agricultural Land Using Remote Sensing in the Cambodian Upland Region of Pursat Province
2. Tran Thanh Duc (Hue University of Agriculture and Forestry) Land Use Types and Soil Characteristics: A case Study in Huong Vinh Commune, Huong Tra Town, Thua Thien Hue province, Central Vietnam
3. Do Khac Uan (Hanoi University of Science and Technology) Enhancement of Biogas Production from Anaerobic Digestion of Disintegrated Sludge: A Techno-economic Assessment of Sludge Management at Wastewater Treatment Plants in Vietnam
4. Bounthavy Vongkhamchanh (Champasak University) The Effect of Dried Cassava Foliage with Fermented Cassava Root on the Growth Performance of Local Yellow Cattle in Lao PDR

後半は、西前准教授より再度、論点の整理が行われた後に、国際共同研究を具体的に進展するために必要な Action とシーズファンドの次年度以降の在り方について議論を行いました。シーズファンドの対象となっている 6 大学以外の大学からも門戸を拡げてほしいといった要望や、研究テーマを設定し、ある一定の枠組みの中で研究を公募するのが良いのではないかと、といった提案が参加者より聞かれました。最後に JSPS 拠点プロジェクトのリーダーである地球環境学堂、柴田教授よりシーズファンドはその名の通り、種をまくことであり、これは地球環境学堂が主体的に行ったが、将来的にこの種に肥料と水をやり花を咲かせるのはパートナーシップ大学の役目であり自助努力にも大いに期待したいとの総括がありました。全体的な議論を通じて、パートナーシップ大学の研究者の中にもネットワークが拡がり、有意義なセッションとなりました。



*Discussion in sub-session 5*

## 2-6. Front-line Activities for Academic Internationalization (10:00-12:30, December 1)

By Shuhei Tanaka, Associate Professor, GSGES

With the aim of enriching educational programs, facilitating research, and attracting talented students, international educational programs, such as double-degree programs, are becoming [the norm][a new norm] for universities. Four speakers were invited to this workshop.

The first speaker was Dr. Suwanna Kitpati Boontanon from Mahidol University, Thailand. She talked about the collaboration between the Faculty of Engineering, Mahidol University (MU) and the Graduate School of Global Environmental Studies, Kyoto University (KU). It grew from a single collaborative project and has expanded from the researcher level to the institute level focusing on the exchange of scientific materials, faculty members and students including transnational education and the double degree program between KU and MU as well as joint research activities and meetings.

Next up was Dr. Xia Guangzhi from Tsinghua University, China. He introduced the current academic programming and research efforts, as well as their hopes for developing future international cooperative programs.

The third speaker was Dr. Nghiem Trung Dung from Hanoi University of Science and Technology, Vietnam. He discussed the key factor that contributes to improving the quality of education as well as the position of the school/university in an open and internalizing environment. He also discussed the potential and opportunities for international collaboration in the field of education in the future.

The final speaker was Dr. Nurhayati Arifin from Bogor Agricultural University, Indonesia. She talked about international collaborations with several renown international institutions and universities, one of which is Kyoto University. The academic cooperation



between IPB and Kyoto University manifests itself in the exchange of scientific materials, joint research, publications and information. It also involves the exchange of faculty members and students including the Double Master's Degree Program.

### 3. Plenary Session (Dec. 1, 2018)

The plenary session started with opening remarks from IPB Rector Arif Satria and KU President Juichi Yamagiwa, followed by a congratulatory address from Mr Keiichi Yamaguchi, First Secretary at the Embassy of Japan.



*Opening remarks from President Yamagiwa*

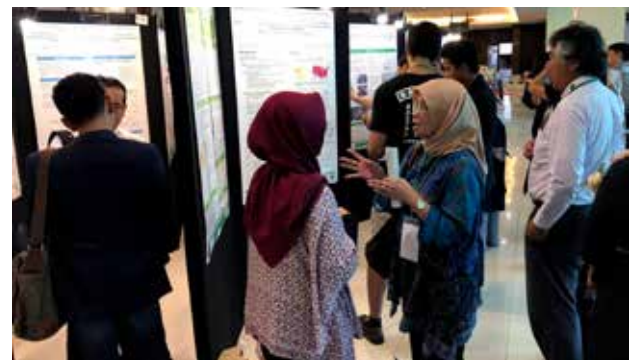
The session then opened with signing ceremonies to extend the MOU on academic cooperation between Kyoto University and Bogor Agricultural University and to establish a double degree program between Kyoto University and Tsinghua University. Two keynote lectures were delivered. Professor Ernan Rustiadi, head of the IPB Center for Regional Planning and Development Studies, gave a presentation titled "Current trends and challenges of ASEAN countries' agriculture". Professor Eiji Nawata, dean of the KU Graduate School of Agriculture, spoke about "Academic exchanges with IPB - History and future perspectives". Twenty-two young researchers gave presentations from the podium on topics related to their environmental studies, followed

In this session, we exchanged information about the latest activities aimed at the internationalization of academic education. We discussed the prospects, outcomes, and practical issues of establishing and implementing such international educational programs.

by 52 poster presentations. Lastly, IPB Rector Arif Satria, and Professor Shigeo Fujii of the KU Graduate School of Global Environmental Studies delivered the closing remarks thereby bringing the plenary session to a successful conclusion.



*Research presentation by a student*



*Lively discussion during poster presentations*

### 4. Study Tour (December 2, 2018)

#### 4-1. Tour A: Natural Environment

By Wen LIU, Program Assistant Professor, GSGES

Study Tour A was held on December 2, with around 60 participants. The bus rocked heavily up and down for nearly four hours from the center of Bogor to Desa Wisata Malasari, which is a tourist village located in front of the gate to Halimun National Park, Mount Halimum Salak, West Java Island. The participants enjoyed the spectacular landscape of the mountain, where tea plantations are in full view.

Inside the village, the participants trekked through the local rainforests, carrying out a study on lowland forest environments and noting the large biodiversity of both plants and animals. This rainforest area in the national park was protected and conserved very well, to the extent that no artificial stairs had been carved into the side of the mountain. Thus, the participants had to help each other across slippery ground. Despite

this, everyone enjoyed the tour very much. Inside the forest, we also went on a small adventure by crossing a canopy bridge built between trees, about 20 meters above the ground. The construction of this canopy bridge had been supported by Japan. Later, we also enjoyed traditional Indonesian foods prepared by local farmers, surrounded by exotic and peaceful tropical highland culture.



*Trekking inside the rainforest*



*A group photo in front of the tea plantation*



*A canopy bridge in the ocean of trees*

## 4-2. Tour B: Industrial Waste Landfill Site

By Kazuyuki Oshita, Associate Prof., Graduate School of Engineering

On December 2, 2018, the study tour for course B was held. Participants visited Prasadha Pamunah Limbah Industri (PPLi), a hazardous waste treatment and landfill site. This tour was supported by Bogor Agricultural University and Dowa Eco-System Co., Ltd. All participants were able to study and discuss the hazardous waste treatment process, and all enjoyed the tour.

コースBのスタディツアーは、計25名が参加し、DOWA ECO 株式会社が強関連する、Prasadha Pamunah Limbah Industri (PPLi) 社の有害廃棄物処分場を訪問しました。

当該施設は、ボゴール近郊にあり、インドネシア国内の種々の有害廃棄物を受け入れて処分している施設

です。最も多く受け入れているのは種々の産業で発生する汚泥であり、重金属など有害成分を多く含んでいるため、安定化処理を行った上、2009年から運営している管理型埋立処分場で埋め立てています。PPLi社の全体説明を受けたのち、質疑応答の時間を長くさせていただき、さらに、埋立処分場を含め、現地の見学を行った後、昼食も振る舞われました。全体として、インドネシアの廃棄物処分の現状も含め、活発な議論がなされるとともに、参加者の間の交流もあり、大変有意義なスタディツアーとなりました。ツアーの受入に協力いただきましたPPLi社、および関係各位に感謝いたします。



*Group photo showing all participants in front of the training center of the PPLi company*



## 5. Satellite Events

(Nov. 30 – Dec. 2, 2018)

### 5-1. Kyoto University Alumni Meeting in Bogor

(Nov. 30, 2018)

By Ayako Fujeida, URA, University Research Administration Office

The Kyoto University ASEAN Center has provided support to its alumni groups throughout the ASEAN region in order to strengthen the alumni network. On November 29, an Alumni Meeting was co-hosted by Kyoto University Alumnus from Bogor Agricultural University (IPB), the Indonesian Association of Kyoto University Alumni (HAKU, Himpunan Alumni Kyoto University), and the Kyoto University ASEAN Center, in conjunction with the “Kyoto University International Symposium on Education and Research in Global Environmental Studies” which was held from November 30 to December 2, 2018.

The meeting began with welcome speeches by Dr. Ernan Rustiadi, Kyoto University alumni, lecturer and Head of the Institute of University Development of IPB, Dr. Suharman Hamzah, President of HAKU, and Dr. Kayo Inaba, Executive Vice-President for Gender Equality, International Affairs and Public Relations.

Alumni members came not only from Bogor, but also from various other regions of Indonesia, Vietnam, Thailand and Japan, adding up to more than 110

participants in total. The participants enjoyed this reunion - talking with their old friends and former advisors, and making new friends. The meeting closed with high hopes and great expectations for next time. In her closing remarks, Dr. Yoko Hayami, Director and Professor at the Center for Southeast Asian Studies, expressed her wishes for the further development of HAKU and improved alumni relationships.



*Group photo showing all participants*

### 5-2. Study in Kyoto and Bogor Fair Attracts 200 Area Students

(15:00-18:30, Nov. 30, 2018)

By Jane Singer, Associate Professor, GEGES

The Study in Kyoto and Bogor Fair, held on November 30, invited local students to learn and consult about undergraduate and graduate programs, scholarships and study opportunities at Kyoto University and Bogor Agricultural University (IPB). Although held as a side event to the Symposium, the event became a major focus of attention, attracting nearly 200 prospective students to the symposium venue where they were addressed by representatives from many of the graduate and undergraduate programs at both universities. Following introductory remarks by Kyoto University President Juichi Yamagiwa, students listened to presentations by Ms. Rinjani Hanani Suyu of JASSO Indonesia and Mr. Fahmi Shidqu of the Japanese Embassy in Jakarta. These were followed by a general introduction to Kyoto and Kyoto University presented by Ms. Rika Ogata, providing information on student life in the ancient capital.

Presentations continued with overviews of two undergraduate programs at Kyoto University, the Kyoto iUP program (presented by Mr. Kenichi

Shiraishi) and the International Course in Civil Engineering (presented by Prof. Takeshi Katsumi). Dr. Dase Hunaefi of the International Cooperation Office of IPB then spoke about studying at IPB.

The final session concerned graduate programs - the focus of the majority of attendees. Students listened attentively to presentations by the deans of five graduate schools at Kyoto University: Prof. Shinya Funakawa from the Graduate School of Global Environmental Studies, Prof. Eiji Nawata from the Graduate School of Agriculture, Prof. Masahiro Ohshima from the Graduate School of Engineering (in association with Prof. Katsuaki Koike and Prof. Yoshihisa Shimizu), Prof. Masahito Sugiyama from the Graduate School of Human and Environmental Studies (in association with Prof. Yoshizumi Kajii), and Prof. Takuro Furusawa from the Graduate School of Asia and Africa Area Studies. The final presenter was Dr. Andrea Emma Pravitasari, who spoke about the Graduate School of Agriculture at IPB. The presentation schedule concluded on a high note with a special drawing, assisted by Kyoto University Vice

President Kayo Inaba and Dr. Dase Hunaefi and Prof. Ernani Rustiadi of IPB, that awarded 20 lucky students with Kyoto University and IPB brand goods.

Many students took the opportunity to visit individual booths nearby for further consultations with faculty, staff and current Indonesian and international students now studying at Kyoto University.

11月30日に開催された“スタディ・イン・京都&ボゴール・フェア”では、地元の学生を招き、京都大学とボゴール農科大学（IPB）における学部課程、大学院課程プログラム、また奨学金制度や留学についての説明会や相談が行われた。スタディフェアはシンポジウムのサイドイベントであったが、会場には200人近い学生が参加、一大イベントとなり両校のプログラム代表者による説明が行われた。京都大学山極総長のウェルカムスピーチに続き、JASSOインドネシアからMs. Rinjani Hanani Suyu、在インドネシア日本大使館からMr. Fahmi Shidquによるスピーチが行われた。また、国際教育交流課の尾形里加氏により、本学で学ぶ魅力や古都京都での学生生活についての概略紹介がなされた。

本学への学部進学を対象としたプログラムについては、白石賢一氏より「KYOTO iPU」につ

いて、勝見武教授より「International Course in Civil Engineering」について、概要紹介を行った。またIPBでの進学については、IPB国際調整室(International Cooperation Office)のDr. Dase Hunaefiが説明を行った。

最終セッションでは、参加者の多くが注目する大学院課程の紹介がなされ、地球環境学、農学研究科、工学研究科、人間・環境学研究科、アジア・アフリカ地域研究科(舟川晋也学舎長、縄田栄治教授、大嶋正裕教授、小池克明教授、清水芳久教授、杉山雅人教授、梶井克純教授、古澤拓郎准教授)より説明が行われ、学生たちは熱心に耳を傾けた。最後に、Dr. Andrea Emma PravitarsiによりIPBの農学研究科(the Graduate School of Agriculture)についての紹介があった。イベントの終わりに、本学の稲葉カヨ理事、IPBのDr. Dase Hunaefi、Prof. Ernani Rustiadiにより抽選会が催され、賑やかに終了。京都大学やIPBのグッズが賞品として手渡された。

また個別対応のブースでは教員、職員、本学に留学中のインドネシアの学生が対応し、多くの学生と活発な質疑応答が交わされ、フェアは盛況のうち終了となった。

### 5-3. Visit to the Botanical Gardens (Dec. 1, 2018)

By Wen LIU, Program Assistant Professor, GSGES

In the morning of December 1, before the sessions began, the participants paid a visit to Bogor's botanical gardens, which are located not far from the IPB International Conference Center (IICC). As the gardens adjoin the presidential palace, this has made them quite famous. They cover an extensive area of about 87 hectares and contain over 13,000 species of trees and plants. Since it rains almost every day in Bogor, even in the dry season, it makes the gardens a perfect place for the cultivation of tropical plants. Participants were surprised and enchanted by forests consisting of a wide variety of gigantic trees. In addition to the tropical environment, the participants also enjoyed learning about the long history of the gardens. There are many monuments scattered around the gardens that tell stories about the gardens, some of



*Giant tropical trees inside the gardens*

them deeply related to the history of the country.

Just like the local people, by breathing in the fresh morning air, the visitors had a lovely stroll along the garden tracks and a nice cup of morning tea; a great start to an enjoyable day.



*Monument commemorating the founder and the first director, Caspar Georg Carl Reinwardt, a Dutch botanist*



*President Yamagiwa joined us for morning tea inside the gardens*



## 5-4. Courtesy Visit to the Rector of Bogor Agricultural University (Dec. 1, 2018)

By Shigeo Fujii, Professor, GSGES

President Yamagiwa and other VIPs from Kyoto University made a courtesy visit to the Rector of Bogor Agricultural University (IPB: Institut Pertanian Bogor) on the occasion of the “Kyoto University International Symposium on Education and Research in Global Environmental Studies”, held from November 30 to December 2, 2018. This courtesy visit lasted from 11:00 -- 13:00 on December 1 and took place in the special guest room in IICC (IPB International Convention Center), the venue for the Symposium, and where President Yamagiwa, Executive Vice-President Kayo Inaba, four Deans, and other VIPs from Kyoto University joined Rector Arif Satria, two Vice-Rectors, three Deans, and other VIPs from IPB.

The visit started with the introduction of IPB VIPs by Dr. Ernan Rustiadi and of Kyoto University VIPs by Prof. Shigeo Fujii, and this was followed by Rector Arif's welcome address and President Yamagiwa's greeting. After discussing both universities' collaboration on education and research, President Yamagiwa and Rector Arif exchanged presents, and group photos were taken. Then, the members visited a shop in IICC where IPB products are sold, and came back to the special guest room for further discussions and lunch. Kyoto University has already established a good relationship with IPB on education and research collaboration, and this visit will surely enhance and strengthen this relationship.

京都大学山極寿一総長ら一行は、「京都大学・ボゴール農業大学 - アジアにおける地球環境学教育・研究に関する国際シンポジウム」の機会を利用し、ボゴール農業大学 (IPB: Institut Pertanian Bogor) Arif Satria 学長らを表敬訪問しました。表敬訪問は、同シンポジウム会場の IICC (IPB International Convention Center) 内になる迎賓室で、シンポ中の 2018 年 12 月 1 日 11:00 ~ 13:00 の間に実施され、京都大学側からは、山極総長他、稲葉カヨ理事、舟川晋也地球環境学学長、縄田栄治農学研究科長、大嶋正裕工学研究科長、杉山雅人人間・環境学研究科長、速水洋子東南アジア地域研究研究所長ら 8 名が、ボゴール農業大からは、Arif Satria 学長、Agus Purwito 副学長、Dodik Nurrochmat 副学長、Suardi 農学部長、Ujang Sumarwan 人間生態学部長ら 10 名が出席しました。

IPB の Ernan Rustiadi 元農学部長による IPB 側出席メンバーの紹介と京大の藤井滋穂教授による京大側出席メンバーの紹介から始まり、Arif Satria 学長による歓迎、山極学長による訪問の挨拶が行われ、その後、両大学の教育・研究の協働などについて懇談がなされました。続いて、両学長のプレゼント交換、集合写真撮影がなされた後、全員で

IICC 内に設置されている IPB ショップ (IPB が製造している製品 (食料品他) の販売店) を見学した後、迎賓室に戻り、昼食を取りながら、懇談を継続されました。



*Introduction of IPB VIPs by Dr. Ernan*



*Lacquerware presented to Rector Arif  
by President Yamagiwa*



*Presentation of IPB goods by Rector Arif*



*Group photo of all those taking part in the courtesy visit*



## 5-5. Poster Awards

(Dec. 1, 2018)

By Misuzu ASARI, Associate Professor, GSGES

Each professor voted for the three best poster presentations, and three young researchers were presented with awards, from the approximately fifty presentations on display. Many of the other posters on display attracted the attention of the researchers and professors present, and there was a productive discussion from the floor.

若手研究者部門のポスター発表に約 50 名が参加されました。投票に当たっては、セッションにおける発表を加味せず、ポスターの内容やデザイン等が優れているものが選ばれました。参加された先生方全員で投票を行い下記の 3 名が “The Best Poster Presentation (Young Researchers)” として表彰されました。表彰された発表者以外にも、優秀なポスターが

多くあり、充実した議論が行われていました。

若手研究者部門

・ Tran Thanh Nhan (Hue University of Sciences)  
Potential Application of Granulated Blast Furnace Slag as an Alternative Geo-Material for Sustainable Development in Vietnam

・ Fitta Setiajiati (Bogor Agricultural University)  
Mechanism of a Forest and Climate Change Project in Kalimantan, Indonesia: Progress and Lessons Learned

・ Minori Tokito (Kyoto University)  
Spatial Analysis of the Relationship between Land Use and River Water Quality, focusing on the Nested Structure of Watersheds – Case study of Yura-river watershed, Japan –

## 5-6. Gala Night

(Dec. 1, 2018)

By Wen LIU, Program Assistant Professor, GSGES

The Gala Dinner was held on the night of December 1, with all participants attending. The opening of the Gala dinner was marked by a wonderful cultural dance, called Rampak Gendang, performed by Citra Budaya. After this event, Professor Arif Satria, the Rector of IPB, and Professor Juichi Yamagiwa, the President of Kyoto University, gave a wide-ranging speech and made a toast. During the buffet, IPB and Kyoto University expressed their appreciation to all participants and presented souvenirs to the representatives from all the universities that had attended the symposium. Next, a Poster Awards Ceremony was held to reward outstanding young poster presenters. At the end of proceedings, the participants enjoyed another dance performance, called

Nusantara, performed by the IPB students themselves, and this brought the 2-day symposium to a successful conclusion.



Nusantara Dance performed by the IPB students



Photo Shoot

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