

**SEA-Creative Camp 2018**  
"Future Careers for Youth"  
6-12 May 2018, Mataram City, West Nusa Tenggara, Indonesia  
Back to back with Indonesian Students Skills Competition (LKS SMK 2018)

Hosted & Organized by:  
  
Online Workshop Info & Registration:  
[creativecamp.seameo.org/workshop](http://creativecamp.seameo.org/workshop)  
Open until 25 January 2018

**Online Workshop Details**  
**Urban Agriculture**  
Online Workshop Schedule: 27 February – 22 March 2018  
Every Tuesday and Thursday 14.00-16.00 hrs  
(Bangkok Time, GMT+7)

<http://creativecamp.seameo.org/>  
Email: [creativecamp@seameo.org](mailto:creativecamp@seameo.org)

**I. Details of main coordinator/focal person**

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**Position/Title:** Research Laboratory Staff

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**Name:** Mr Haritz Cahya Nugraha

**Position/Title:** Web Administrator

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**II. Introduction**

Urban Agriculture can be interpreted as farming activities that are implemented in the urban environment which usually has limited area. A solution for farming in the limited area can be achieved through intensive, efficient, and innovative ways of farming. Various technologies and solution have been developed to address such issue, such as hydroponics, aquaponics, verticulture, or even conventional ways planting that can be done in limited area condition (e.g., raised bed, pot gardening, using rooftops, etc).

**III. Objectives**

This online training course aims to enhance the awareness and understanding of target participants on the basic concepts of urban agriculture, and provide them with working knowledge on several urban agriculture technologies that could be implemented according to their existing local condition and environment.

#### **IV. Contents**

1. Introduction to the concepts and principles Urban Agriculture
2. Solid Organic Waste Management and Composting Principles
3. Hydroponics/Aquaponics Production Techniques and Practices
4. Aquaculture Production Techniques and Practices
5. Soil-based Vegetable and Fruit Tree Gardening
6. Oyster Mushroom Production
7. Agri-based Enterprise Development
8. Documentation and Reporting of Best Practice in Urban Agriculture

#### **V. At the end of online workshop, what skills/knowledge participants will learn**

1. Be able to articulate the concepts and principles of urban agriculture
2. Be able to understand the concepts, requirements, and procedures in implementing solid organic waste management and composting
3. Be able to understand the concepts and requirements in setting up and operating hydroponics and aquaponic production systems
4. Be able to understand the concepts and requirements in setting up and operating an aquaculture production system
5. Be able to understand the concepts, requirements and methods of soil-based vegetable and fruit tree gardening
6. Be able to understand the concepts, requirements and procedures in mushroom production
7. Be able to develop a business plan for agri-based products and services generated from technologies learned from the course
8. Be able to articulate the basic steps in documenting best practices in implementing urban agriculture

#### **VI. Schedule of online workshop**

1. Number of hours in total: 16 hrs (or 2 hours per topic)
2. Online workshop schedule: Every Tuesday and Thursday at 14.00 – 16.00 Bangkok Time (GMT +7)
3. Online workshop Duration: 22 February 2018 to 22 March 2018

#### **VII. Expected outputs (At the end of the workshop, what participants will produce for competition?)**

- For schools that are already implementing a particular urban agriculture technology or a combination of technologies, they are expected to develop an action plan to introduce improvements on their current production system as well as adjustment in their business plan to sustain it based on the knowledge they gained from the course.
- For schools that are yet to implement a particular urban agriculture technology or a combination of technologies, they are expected to develop their action plans to set up and operate their choice of urban agriculture technology, including a business plan to sustain it based on the knowledge they gained from the course.

#### **VIII. Online workshop schedule**

The course will be announced by 15 January 2018 and registration of interested participants/schools shall commence on 16 January 2018 until 16 February 2018. The online sessions and other ensuing activities are as follows:

Session	Online Workshop Schedule	Content	Instructor
0	Thursday, 22 February 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Online Training Orientation	Mr. Haritz Cahya Nugraha/ Ms. Riana Hartati SEAMEO BIOTROP
1	Tuesday, 27 February 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Introduction to the concepts and principles Urban Agriculture	Dr. Irdika Mansur SEAMEO BIOTROP
2	Thursday, 1 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Solid Organic Waste Management and Composting	Prof. Arief Sabdo Yuwono Institut Pertanian Bogor
3	Tuesday, 6 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Hydroponics/Aquaponics Production Techniques and Practices	Ms Riana Hartati SEAMEO BIOTROP
4	Thursday, 8 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Aquaculture Production Techniques and Practices	Dr. Nur Bambang Priyo Utomo SEAMEO BIOTROP
5	Tuesday, 13 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Soil-based Vegetable and Fruit Tree Gardening	Dr. Awang Maharijaya Institut Pertanian Bogor
6	Thursday, 15 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Oyster Mushroom Production	Mr Samsul A. Yani SEAMEO BIOTROP
7	Tuesday, 20 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Agri-based Business Development	Ms Riza Afifi SEAMEO BIOTROP
8	Thursday, 22 March 2018 14.00 – 16.00 Bangkok Time (GMT+7)	Documentation and Reporting of Best Practice in Urban Agriculture	Dr. Jess Fernandez SEAMEO BIOTROP
9	Friday-Thursday 23-29 March 2018	Formulation of action and business plans	Participating Schools
10	Friday, 30 March 2018 18.00	Submission of action and business plans	Participating Schools
11	Monday-Friday 2 - 6 April 2018	Evaluation of action and business plans and selection of finalists	Judging Committee
12	Monday 9 April 2018	Announcement of Finalists	Judging Committee
13	Thursday-Friday, 12-13 April 2018	Online Presentation of Finalists' Action and Business Plans	Finalists and Judging Committee
14	Monday 16 April 2018	Selection of Winners	Judging Committee
15	Tuesday 17 April 2018	Announcement of Winners	Judging Committee

**IX. Brief profile of targeted participants**

Students and teachers of Junior/Senior High Schools/Vocational High Schools or Polytechnic/Colleges in Southeast Asian countries

**X. Prerequisites (e.g. Basic knowledge and skills, programming knowledge, English ability)**

Spoken and written English proficiency

**XI. What participants need to bring along to join the online training**

- Notebook/Personal Computer (for web conference purpose)
- System Requirement: Microsoft® Windows® 7/8/10 (32- or 64-bit)  
Minimum 4 GB RAM  
16 GB of available disk space minimum, 32GB recommended

**XII. Maximum number of participants to be accepted for the online training (e.g. 100 participants)**

We will target at most 100 schools from SEAMEO member countries. Each school is expected to register 1 teacher as coordinator and maximum of 10 students. As much as possible, we will try to ensure a good distribution of participants among the SEAMEO member countries based on the registration.

**XIII. Details of Instructors/Facilitators**

1. Dr. Irdika Mansur, Director, SEAMEO BIOTROP
2. Prof. Arief Sabdo Yuwono, Lecturer, Institut Pertanian Bogor
3. Ms Riana Hartati, Research Laboratory Staff (Hydroponic Assistant), SEAMEO BIOTROP
4. Dr. Nur Bambang Priyo Utomo, Affiliate Scientist, SEAMEO BIOTROP
5. Dr. Awang Maharijaya, Lecturer, Institut Pertanian Bogor
6. Mr Samsul A. Yani, Product Development Services Department Manager, SEAMEO BIOTROP
7. Ms Riza Afifi, Community Development Supervisor, SEAMEO BIOTROP
8. Dr. Jess Fernandez, Deputy Director for Program, SEAMEO BIOTROP

**XIV. Evaluation Criteria/Mechanism for Completion**

1. All participants shall be requested to accomplish the overall course evaluation form via online a day after the completion of the course.
2. All participating schools and individuals shall be given e-Certificates for completing the online course and the overall course evaluation.
3. SEAMEO BIOTROP shall compile all expected outputs (action and business plans) from participating schools and write a completion report about the online course including a news article that will be uploaded in the Centre's website for public knowledge.
4. SEAMEO BIOTROP shall extend technical assistance to the winning schools until they are able to implement their action plans.

**XV. Judging Criteria for Competitions**

The action plans/business plans of participating schools, and to some extent, the implementation of the same, shall be judged according to the following criteria:

- Creativity
- Innovation
- Efficiency

- Feasibility
- Sustainability
- Impacts to the students

#### XVI. Tentative Judging Committee Members

All resource persons, SEAMEO BIOTROP Board of Directors, and SEAMEO Secretariat Director

#### XVII. Timeline of Urban Agriculture Online Workshop

Phase	Date
1. Event announcement	Start from January 2018
2. Online registration	15 January – 10 February 2018
3. Announcement of participants and webex online meeting room number	13 February 2018
4. Webex tutorial for schools and participants who are not familiar to use the Webex online platform (Optional)	16-17 February 2018 (To be announced to all participants by email: The online tutorial session will be conducted by SEAMEO IT staff and it will take only 10-15 minutes. Participants can access to the system anytime during the provided period)
5. Online Training Orientation	22 February 2018
6. Webex Training Session (8 sessions)	27 February – 22 March 2018
7. Assignment Period	23-30 March 2018
8. Deadline for Submission of Assignment	30 March 2018
9. Evaluation	2-6 April 2018
10. Online presentation of finalists	12-13 April 2018
11. Selection of winners	16 April 2018
12. Announcement of winners	17 April 2018

#### XVIII. Coordinators

For, general inquiry, please contact:

SEAMEO Secretariat, Bangkok

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