Summer course: Smart-Integrated Farming for Sustainable Agriculture in Tropical Region
Held by: Agrotechnology Innovation Center Universitas Gadjah Mada Indonesia
15 – 24 July 2019

Course Schedule

Date	Time	Activity	Instructor
Monday, 15 July	09.00 – 10.30	Orientation	PIAT Team
	10.30 – 12.00	Team set-up	
	Break		
	13.00 – 16.00	Outbound activities	
Tuesday, 16 July	08.30 – 10.30	Global challenges in future agriculture – UWA Future Farm 2050 as a model for future production systems. Can it be extended to tropical countries?	Prof. Graeme Martin (UWA)
	10.30 – 12. 00	The contribution of livestock industries	Prof. Graeme Martin (UWA)
	Break		
	13.00 – 14.30	Food security and survival of mankind	Dr. Encik Mohammad Amizi Bin Ayob (UMK)
	15.00 – 16.30	Introduction to team project and topic distribution	Dr. Chandra W Purnomo (UGM)
Wednesday 17 july	08.30 – 10.30	Biodiversity and genetic resource role in agriculture	Dr. Roland Schafleitner (AVRDC)
	10.30 – 12. 00	Future trend in crop breeding: Gene Bank case study	Dr. Taryono (UGM)
	Break		
	13.00 – 14.30	Team project: field observation	
	15.00 – 17.00	Team project: discussion and planning	
Thursday 18 July	08.30 – 09.30	Sustainable soil management	Prof. Lynette Abbott (UWA)
	09.30 – 11.00	Water resource and recycle management	Assoc. Prof. Dr Razif Harun (Universiti Putra Malaysia)
	11.00 – 12.30	Climate change mitigation and adaptation	Dr. Jennifer Dungait (Exeter, UK)
	Break		
	13.00 – 14.30	Socio-economic factors in Agriculture	Assoc. Prof. Dr. Nolila Mohd Nawi (UPM)
	15.00 – 16.00	Team project: material preparation	PIAT Team
Friday 19 July	08.30 – 10.30	Smart system in close system organic farming	Dr. I Wayan M (UGM)
	10.30 – 12. 00	Repositioning of Agricultural Education for Food Sovereignty	Prof. Datuk Dr. Mad Nasir Shamsudin (UPM)

Date	Time	Activity	Instructor
	Break		
	13.00 – 17.00	Team project: construction/execution	PIAT Team
Saturday 20 July	08.30 – 17.00	Social activity: Visiting Borobudur, Prambanan temple, Sultan Palace ect	PIAT Team
Sunday 21 July		Individual activities	
Monday,22 July	08.00 – 10.30	Future fertilizer and pesticides	Dr. Alex Soeriyadi (UNSW)
	10.30 – 12.00	Solution to Food Waste: BSF case study	Mr. Bram Dortmans (EAWAG)
	Break		
	13.00 – 16.00	Team project: testing and revising	
Tuesday, 23 July	08.30 – 10.30	Best practices in Sustainable Agriculture I: Low Input Sustainable Agriculture (LISA)	Prof. Dato' Dr. Mohd Fauzi Bin Ramlan (UPM)
	10.30 – 12. 00	Best practices in Sustainable Agriculture II: Smart Crop Protection	Assoc. Prof. Dr. Wong Mui Yun (UPM)
	Break		
	13.00 – 14.30	Team project: finishing and data collection	PIAT Team
	15.00 – 16.00	Presentation preparation	PIAT Team
Wednesday 24 july	08.30 – 10.30	Project presentation I	PIAT Team
	10.30 – 12. 00	Project presentation II	
	Break		
	13.00 – 16.00	Project team winner award and farewell party	PIAT Team