



Regional Training Course on Efficient Screening Methods for Improved Nutritional Quality in Mutant Populations, Cibinong, Indonesia, 18 – 22 May 2026

TIME	ACTIVITIES	SPEAKERS
Monday, 18 May 2026		
08:00 - 09:00	Registration at the Galunggung Meeting Room, Harris Hotel and Convention CCM	Committee
09:00 - 09.45	1. Opening Ceremony	Committee
	2. Training Overview	Ms. Winda Puspitasari
	3. Pre Test	Ms. Yogtavia Indah K
09:45 - 10:30	Group photo and coffee break	The Committee
10:30 - 12:00	L1: General Overview of Plant Mutation Breeding	Mr. Soeranto Human
12:00 - 13:00	Lunch break	
13:00 - 14:30	L2: Principles of Biofortification and Nutritional Quality-Improvement in Food Crops	Mr. Wang Lihao
14:30 - 14:45	Coffee Break	
14:45 - 16:15	L3: Biochemical, and Analytical Methods for Nutritional Quality Assessment	Mr. Wang Lihao
16:15	Wrap up - End of the day	Course Director
Tuesday, 19 May 2026		
09:00 - 10:30	L4: Marker-Assisted Approaches, Candidate Gene Validation and Decision Support	Mr. Wang Lihao
10:30 - 10:45	Coffee break	
10:45 - 12:15	L5: Phenotypic, biochemical, and molecular screening approaches of nutritional mutant	Mr. Wang Lihao
12:15 - 13:15	Lunch	
13:15 - 14:45	L6: Integrating Nutritional/Quality Screening Results into Breeding Pipelines	Mr. Wang Lihao
14:45 - 15:00	Coffee break	
15:00 - 16:30	L7: Advancement, Validation, and Selection of Nutrient-Dense Breeding Lines	Mr. Wang Lihao
16:30	Wrap up - End of the day	Course Director
Wednesday, 20 May 2026		
09:00 - 10:30	L8: Data Collection, Experimental Design, and Statistical Analysis for targeted breeding	Mr. Wang Lihao
10:30 - 10:45	Coffee break	
10:45 - 12:15	L9: Multi-omics genetic resource research and improvement the quality and resistance of peppers (Capsicum spp.)	Mr. Wang Lihao
12:15 - 13:15	Lunch Break / Leaving for Cultural Visit	

TIME	ACTIVITIES	SPEAKERS
13:15 - 14:45	Cultural Visit	The Committee
14:45 - 15:00	Coffee break	
15:00 - 16:30	Cultural Visit	
17:00	Wrap up - End of the day	Course Director
Thursday, 21 May 2026		
09:00 - 10:30	P1: Molecular Assisted Selection, from DNA abstract to PCR P2: RNA Seq Analysis	P1: Mr. Wang Lihao, Ms. Indrastuti A. Rumanti, Mr. Wijaya M. Indriatama P2: Ms. Winda Puspitasari, Ms. Y. C. Febry Salsinha, Mr. Sihono
10:30 - 10:45	Coffee break	
10:45 - 12:15	P1: Molecular Assisted Selection, from DNA abstract to PCR P2: RNA Seq Analysis	P1: Mr. Wang Lihao, Ms. Indrastuti A. Rumanti, Mr. Wijaya M. Indriatama P2: Ms. Winda Puspitasari, Ms. Y. C. Febry Salsinha, Mr. Sihono
12:15 - 13:15	Lunch	
13:15 - 14:45	P1: Molecular Assisted Selection, from DNA abstract to PCR P2: RNA Seq Analysis	P1: Mr. Wang Lihao, Ms. Indrastuti A. Rumanti, Mr. Wijaya M. Indriatama P2: Ms. Winda Puspitasari, Ms. Y. C. Febry Salsinha, Mr. Sihono
14:45 - 15:00	Coffee break	
15:00 - 16:30	P1: Molecular Assisted Selection, from DNA abstract to PCR P2: RNA Seq Analysis	P1: Mr. Wang Lihao, Ms. Indrastuti A. Rumanti, Mr. Wijaya M. Indriatama P2: Ms. Winda Puspitasari, Ms. Y. C. Febry Salsinha, Mr. Sihono
16:30	Wrap up - End of the day	Course Director
Friday, 22 May 2026		
09:00 - 09:45	L10: Plant Mutation Breeding in Indonesia	Ms. Azri Kusuma Dewi
09:45 - 10:30	L11: Case Study of Rice Biofortification through Mutation Breeding in Indonesia	Mr. Untung Susanto
10:30 - 10:45	Coffee break	
10:45 - 11:30	L12: Case Study of Cassava Biofortification through Mutation Breeding in Indonesia	Ms. Kartika Noerwijati
11:30 - 13:00	Lunch	

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13:00 - 14:30	L13: Summary of key learnings and outcomes: Forward genetics vs Reverse genetics	Mr. Wang Lihao
14:30 - 14:45	Coffee break	
14:45 - 15:30	Post Test	Ms. Arvita Rosmawati
15:30 - 15:45	Course Evaluation and Feedback (2-4 representative participants)	Committee
15:45	Closing Ceremony	Committee
17:00	Farewell Party	Committee