

**PEMETAAN MATLAMAT PENDIDIKAN INSTITUSI VS. OBJEKTIF PENDIDIKAN PROGRAM (PE0)  
&  
MATLAMAT PENDIDIKAN INSTITUSI VS. HASIL PEMBELAJARAN PROGRAM (PLO)**

**PROGRAM: SARJANA SAINS DALAM PENGURUSAN PENYAKIT TUMBUHAN TROPIKA**

**PTJ: PUSAT PENGAJIAN SAINS KAJIHAYAT**

**a) Pemetaan PEO - IEG**

PEO	PENYATAAN PEO	PEMIKIR <i>THINKER</i> (T)	SEIMBANG <i>BALANCED</i> (B)	KEUSAHAWANAN <i>ENTREPRENEURIAL</i> (E)	ARTIKULASI <i>ARTICULATE</i> (A)	HOLISTIK <i>HOLISTIC</i> (H)
		IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	Graduates can apply fundamentals knowledge and research skills as plant pathologists to comprehend information, organise ideas, evaluate and analyse information and apply these to any situation	√				
PEO2	Graduates possess knowledge in plant disease laboratory and management skills, disease diagnosis, communication skills, and the ability to perform skills independently	√	√		√	√
PEO3	Graduates of tropical plant disease management have the ability to learn a new skill, evaluate new skills, giving feedbacks with the latest methods demonstrate professionalism and appropriate leadership to be applied in the national education system and the national agriculture industry.	√	√	√	√	√

## Pemetaan PLO - IEG

PLO	DOMAIN MQF 2.0 (2024)	HASIL PEMBELAJARAN PROGRAM <i>PROGRAM LEARNING OUTCOMES, PLO</i>	ELEMEN IEG <i>IEG ELEMENT</i>	
PLO1	Knowledge & Understanding	Apply specialized knowledge in the field of tropical plant disease management and demonstrate theory and conceptual skills in research and innovation.	IEG 1	THINKING
PLO2	Cognitive Skills	Demonstrate and apply critical and creative thinking skills in problem- solving and to make rational decisions related to research.	IEG 1	THINKING
PLO3	Practical Skills	Conduct research under minimum supervision as well as apply the latest methods in research.	IEG 1 IEG 2	THINKING BALANCED
PLO4	Interpersonal Skills	Work in groups to solve problems in plant disease diagnosis as well as determine appropriate methods to manage plant diseases.	IEG 4 IEG 5	ARTICULATE HOLISTIC
PLO5	Communication Skills	Demonstrate good communication skills while working in the plant pathology laboratory, research institution and industry.	IEG 4 IEG 2	ARTICULATE BALANCED
PLO6	Digital Skills	Apply digital and multimedia techniques to explain tropical plant disease management information.	IEG 2	BALANCED
PLO7	Numeracy Skills	Apply mathematical knowledge to analyse data and verify results on plant disease management.	IEG 1	THINKING
PLO8	Leadership, Autonomy & Responsibility	Display active leadership skills in plant pathology and plant disease management as well as relevant knowledge in legal and regulatory provisions, and industrial experience.	IEG 5	HOLISTIC
PLO9	Personal Skills	Identify needs, have the ability and preparation to face change and practice continuous self-improvement in the field of plant pathology and plant disease management.	IEG 5	HOLISTIC

PLO10	Entrepreneurial Skills	Demonstrate entrepreneurial attitude in the field of plant pathology and plant disease management.	IEG 3	ENTREPRENEURIAL
PLO11	Ethics & Professionalism	Demonstrate high ethical and professional values throughout the programme and during conducted research, as well as being knowledgeable in the areas of legal and regulatory provisions in research.	IEG 2	BALANCED