

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

PROGRAM: SARJANA MUDA SAINS GUNAAN (KEPUJIAN)(KIMIA ANALISIS)

PTJ: PP SAINS KIMIA

a) Pemetaan PEO - IEG

PEO	PEO statement	THINKER (T)	BALANCED (B)	ENTREPRENEURIAL (E)	ARTICULATE (A)	HOLISTIC (H)
	To produce:	IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	Analytical chemists who are able to apply the basic principles and practical skills of analytical chemistry based on conventional and modern chemical techniques	/	/			
PEO2	Ethical, pure-hearted, resilient analytical chemists who voluntarily involve in the community		/		/	
PEO3	Analytical chemists who demonstrates leadership skills and communicates effectively in a team to solve chemistry-related problems	/	/		/	/
PEO4	Analytical chemists who respond consistently to the latest analytical chemistry techniques and demonstrate management and entrepreneurial skills	/	/	/		/

b) Pemetaan PLO - IEG

PLO	MQF 2.0 DOMAIN	PROGRAM LEARNING OUTCOMES, PLO	IEG ELEMENT	
PLO1	Knowledge and understanding	Apply fundamental knowledge of chemistry to chemistry-related practices.	IEG 1	THINKER
PLO2	Practical Skills	Perform safe handling of chemicals and proficient manipulation of laboratory apparatus and analytical instruments.	IEG 1 IEG 2	THINKER BALANCED
PLO3	Cognitive Skills	Demonstrate critical thinking and provide practical solutions to chemistry-related issues by employing appropriate and relevant chemistry knowledge and skills.	IEG 1	THINKER BALANCED
PLO4	Communication Skills	Demonstrate effective communication.	IEG 4 IEG 2	ARTICULATE
PLO5	Interpersonal Skills	Lead and collaborate with diverse team members and demonstrate social responsibility for the well-being of society.	IEG 4 IEG 5	ARTICULATE
PLO6	Ethics and Professionalism	Balance and uphold positive values, ethics and accountability in societal and professional engagement.	IEG 2	BALANCED
PLO7	Personal Skills	Manage information and seek new knowledge and skills independently.	IEG 5	HOLISTIC
PLO8	Entrepreneurial Skills	Display relevant and appropriate managerial and entrepreneurial skills.	IEG 3	ENTREPRENEURIAL
PLO9	Leadership, Autonomy and Responsibility	Demonstrate the ability to work effectively as a leader.	IEG 5	HOLISTIC
PLO10	Digital Skills	Demonstrate the ability to use digital effectively	IEG 2	BALANCED
PLO11	Numeracy Skills	Demonstrate the ability to use numerical effectively	IEG 1	THINKER