

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

PROGRAM: Master of Neuroscience

PTJ: Department of Neurosciences, School of Medical Sciences

a) Pemetaan PEO - IEG

PEO	PEO statement	THINKER (T)	BALANCED (B)	ENTREPRENEURIAL (E)	ARTICULATE (A)	HOLISTIC (H)
		IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	Cellular & Molecular Biology	√				
PEO2	Neurobiology	√				
PEO3	Neuroanatomy	√				
PEO4	Neurophysiology	√				
PEO5	Neural Science	√				
PEO6	Behavioral Science	√				
PEO7	Basic Statistics	√				
PEO8	Research Integrity	√	√			
PEO9	Research Progress 1	√	√	√	√	√
PEO11	Laboratory Placement 1		√		√	√
PEO12	Research Progress 2	√	√	√	√	√
PEO13	Laboratory Placement 2		√		√	√
PEO14	Dissertation	√	√	√	√	√

a) Pemetaan PLO - IEG

PEO	PEO statement	THINKER (T)	BALANCED (B)	ENTREPRENEURIAL (E)	ARTICULATE (A)	HOLISTIC (H)
		IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	Understanding the key principles of the nervous system, in cellular & molecular biology, neurobiology, bio-anatomy, neural science, the cellular physiology, neuro-behavioral of the nervous system. Understanding the principles and use of common statistics in research methodology and design	√				
PEO2	Understanding the key principles of the nervous system structure and function in cellular & molecular biology, neurobiology, bio-anatomy, neural science, neuro-physiology, neuro-behavioral and the mechanisms of the nervous system coordinates the body's responses at whole organism, cellular of the nervous system.	√				
PEO3	Applying the understanding of nervous system in relation to diseases and nervous system dysfunctions in cellular & molecular biology, neurobiology, bio-anatomy, neural science, neuro-physiology, and neuro-behavioral of nervous system.	√				
PEO4	Understanding the principles and use of statistical software in research methodology and design.	√	√			
PEO5	Understanding and application of the basic and applied statistical tools for data analysis and cohesive interpretation of research findings.	√	√			
PEO6	Understanding and familiarity with the code of good practices in scientific and medical research.	√	√		√	
PEO7	Understanding and applying the principles of scientific behaviour of integrity in use of human subjects and laboratory animal	√	√		√	
PEO8	Demonstrated ability to participate in community services and involvement to enhance socio-entrepreneurial skill and mindset, to contribute to the wellbeing of community and sustainability's of services.	√	√	√	√	√

PEO9	To familiarize with the various methods employed in many areas of research pertaining to the nerve, brain and mind, and opportunities to apply their foundation knowledge of neuroscience more critically.	√	√	√	√	√
PEO10	To reinforce the personal and professional development research and communication skills of the candidates.	√	√		√	√
PEO11	Demonstrate the ability to develop their critical appraisals of scientific publications and abilities to produce good scientific manuscripts for publications.	√	√	√	√	√

√ - using PEO and IEG

b) Pemetaan PLO - IEG

PLO	MQF 2.0 DOMAIN	PROGRAM LEARNING OUTCOMES, PLO	IEG ELEMENT	
PLO1	√	Understanding the key principles of the nervous system, in cellular & molecular biology, neurobiology, bio-anatomy, neural science, the cellular physiology, neuro-behavioral of the nervous system. Understanding the principles and use of common statistics in research methodology and design	1	Pemikir <i>Thinking</i>
PLO2	√	Understanding the key principles of the nervous system structure and function in cellular & molecular biology, neurobiology, bio-anatomy, neural science, neuro-physiology, neuro-behavioral and the mechanisms of the nervous system coordinates the body's responses at whole organism, cellular of the nervous system.	1	Pemikir <i>Thinking</i>
PLO3	√	Applying the understanding of nervous system in relation to diseases and nervous system dysfunctions in cellular & molecular biology, neurobiology, bio-anatomy, neural science, neuro-physiology, and neuro-behavioral of nervous system.	1	Pemikir <i>Thinking</i>
PLO4	√	Understanding the principles and use of statistical software in research methodology and design.	2	Seimbang <i>Balanced</i>
PLO5	√	Understanding and application of the basic and applied statistical tools for data analysis and cohesive interpretation of research findings.	2	Seimbang <i>Balanced</i>
PLO6	√	Understanding and familiarity with the code of good practices in scientific and medical research.	4	Articulate <i>Articulate</i>
PLO7	√	Understanding and applying the principles of scientific behaviour of integrity in use of human	4	Articulate

		subjects and laboratory animal		<i>Articulate</i>
PLO8	√	Demonstrated ability to participate in community services and involvement to enhance socio-entrepreneurial skill and mindset, to contribute to the wellbeing of community and sustainability's of services.	3	Berminda Keusahawanan <i>Entrepreneurial</i>
PLO9	√	To familiarize with the various methods employed in many areas of research pertaining to the nerve, brain and mind, and opportunities to apply their foundation knowledge of neuroscience more critically.	5	Holistik <i>Holistic</i>
PLO10	√	To reinforce the personal and professional development research and communication skills of the candidates.	5	Holistik <i>Holistic</i>
PLO11	√	Demonstrate the ability to develop their critical appraisals of scientific publications and abilities to produce good scientific manuscripts for publications.	5	Holistik <i>Holistic</i>