

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

PROGRAM: __Sarjana Sains (Statistik Perubatan)_____

PTJ: __Pusat Pengajian Sains Perubatan_____

a) Pemetaan PEO - IEG

PEO	PEO statement	THINKER (T)	BALANCED (B)	ENTREPRENEURIAL (E)	ARTICULATE (A)	HOLISTIC (H)
		IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	Graduates competently able to provide statistical consultation in medical and health sciences.	√	√		√	√
PEO2	Graduates competently able to conduct and lead high quality research in medical and health sciences.	√	√		√	√
PEO3	Graduates embrace life-long learning, personal and professional development.		√	√	√	√

b) Pemetaan PLO - IEG

PLO	MQF 2.0 DOMAIN	PROGRAM LEARNING OUTCOMES, PLO	IEG ELEMENT	
			IEG 1	THINKER
PLO1	Knowledge and Understanding	Distinguish different statistical tests, point out the basic principles of epidemiology, choose suitable critical appraise method according to study designs, compose various process involved in clinical trials and enquire about scientific research methods.	IEG 1	THINKER
PLO2	Practical skills	Display ability to perform basic, multivariable analysis and advanced statistical analysis, construct the study design and sampling technique and critically revise research methodology and medical statistics in scientific publication.	IEG 1 IEG 2	THINKER BALANCED
PLO3	Cognitive skills	Appraise the basic statistical concept, explain the concept of confounding and interaction in statistical analysis, criticize the bias and error in research methodology, recommend improvement of research methodology and medical statistics in scientific publication and appraise the concept in clinical trials.	IEG 1 IEG 2	THINKER BALANCED
PLO4	Communication Skills	Display communication skill in critical appraisal, organize a plan to conduct a research and practice effective communication in research.	IEG 4	ARTICULATE
PLO5	Interpersonal Skills	Display ability to work as a team.	IEG 4	ARTICULATE
PLO6	Ethics and Professionalism	Formulate an ethical scientific research, practice clinical trials ethically, and perform research with ethics and beneficial to the society.	IEG 2	BALANCED
PLO7	Personal Skills	Display the ability to develop curious minds and be thirst for knowledge and defend the study proposal during presentation.	IEG 5	HOLISTIC
PLO8	Entrepreneurial skills	Perform statistical consultation.	IEG 3	ENTREPRENEURAL
PLO9	Leadership, autonomy & responsibility	Display the responsibility in executing research and writing thesis.	IEG 5	HOLISTIC
PLO10	Digital Skills	Perform statistical test using appropriate statistical software.	IEG 2	BALANCED
PLO11	Numeracy Skills	Solve statistical calculation manually, calculation related to principles of epidemiology and calculations related to clinical trials.	IEG 1	THINKER