

Lampiran C1-1.3(h): Senarai aktiviti penyelidikan yang disyorkan bagi setiap PLO.

PLO*	Assessment criteria/Activities
PLO 1- Knowledge and understanding	Apply the knowledge through formal, informal, and non-formal learning circumstances- experiences.
	Reading and updating research knowledge through literature review.
	Sharing research among members of supervisory team as a senior or colleague.
	Sharing research in journal club or any other occasions
	Co-teaching or assisting teaching works to undergraduate or postgraduate students.
	Contribution to teaching to the members of supervisory team as a senior or colleague.
	Writing and editing review article on the related discipline.
	Assisting in reviewing article/ thesis/ practical works of members/ colleagues.
PLO2 – Cognitive Skills PLO3 – Practical Work Skills	Providing solutions to the research problems.
	Providing feedback to the others research projects during discussion or journal club.
	Writing and editing manuscripts for publication.
	Writing and editing research proposal for grant application.
	Reviewing external article.
	Applying external grant/funding with new ideas/ proposal.
	Contribution to preparation of research tenders and grant applications
	Meeting milestones of research activities.
	Assisting practical/research works to undergraduate or postgraduate students.
	Contribution to teaching on the practical/ research skills to the members of supervisory team as a senior or colleague.
	Participating in training/ workshop on research skills.
	Participating in training/ workshop/ seminars on specific technical skills.
	Presenting research skills to peers or stakeholders in training/ workshop.
	Presenting research findings in seminar/ conference/ exhibition etc.
PLO 4 – Intern	Participation in postgraduate club or social/ community/ volunteerism activities (school level).

	Participation in social/ community/ volunteerism activities (university level).
	Participation in social/ community/ volunteerism activities (national/international level).
	Working with professionals and peers on academic matters (e.g. committee members in conference, seminar etc.)
	Participation in teamwork and collaborative projects (e.g. as project members etc)
	Networking with international experts in the disciplines (e.g. collaboration, co-publication etc).
	Industry/organisational placements.
	Research or educational visit to other research institutions.
PLO5 – Communication Skills	Seminar or journal club presentation
	Conference attendance and presentation (oral and poster)
	Participating in training/ workshop/ seminars on report writing skills.
	Participating in training/ workshop/ seminars on oral presentation skills.
	Participating in training/ workshop/ seminars on preparation of manuscripts.
	Writing and editing manuscripts for publication.
PLO6 – Digital Skills	Utilising digital skills in presenting works (internal discussion with supervisor or in journal club/ others)
	Participating in training/ workshop/ seminars on the use audio-visual technology skills.
	Participating in training/ workshop/ seminars on media presentation skills.
	Participating in training/ workshop/ seminars on advanced library and information search skills.
	Participating in training/ workshop/ seminars on specific digital skills.
	Possessing ethics in using AI generative tools.
PLO7- Numerical Skills	Utilising numeracy skills in presenting works (internal discussion with supervisor or in journal club/ others)
	Participating in training/ workshop/ seminars on statistics.
	Participating in training/ workshop/ seminars on data analytic techniques.
	Participating in training/ workshop/ seminars on specific data handling skills.
PLO8 - Leader ship,	Setting goal related to research
	Revising and updating milestones and research activities in a timely manner.

	Involvement in any organising committee of any conference/ seminar/ workshop.
	Lead a group of people (e.g. committee members)
PLO9 – Personal Skills	Meeting candidature milestones.
	Keeping the logbook clear and up to date.
	Attending research work punctually with good time management.
	Monitoring the research progress with constant discussion with supervisory team.
	Preparation of thesis chapters according to milestones.
	Participating in training/ workshop/ seminars on career planning, CV writing, job applications and interviews.
	Membership of professional organisations/ committees
	Involvement in professional organisations/ committees
	Applying for travel scholarships and other grants
	Applying attachment in other institution.
PLO10 - Entrepreneurial skills	Participating in training/ workshop/ seminars on patents/ copyright/ trade secret/ intellectual property.
	Participating in training/ workshop/ seminars on entrepreneurships.
	Suggesting entrepreneurial idea from the research project.
	Writing and editing the documents on patents/ copyright/ trade secret/ intellectual property.
PLO 11 - Ethics and Professionalism	Preparation of applications to ethics committees
	Renewing ethical approval prior to the deadline
	Conducting research professionally by following the rules and regulations.
	Upholding integrity.
	Participating in training/ workshop/ seminars on ethical and professional issues (e.g. research ethics, research misconduct etc.)
	Participating in training/ workshop/ seminars on occupational health and safety training.
	Participating in training/ workshop/ seminars on laboratory safety and chemical handling.