

RISK REGISTER

PUSTAKA NEGERI SARAWAK

PUSTAKA INSTITUTE: INFRASTRUCTURE ICT DIVISION

RISK CATEGORY	1. RISK IDENTIFICATION			2. RISK ANALYSIS AND EVALUATION				3. RISK CONTROL		STATUS
	Activity/ Process	Risk/ Opportunity	Cause	Current Risk Control	Likelihood	Impact	Level	Recommended Action/ Additional Control	Person In Charge (Risk Owner)	
ICT	Operations of servers, endpoints and email systems	Ransomware attack	Phishing, malicious attachments, unpatched systems	Preventive maintenance of ICT system procedure (Antivirus & SLA hosting system at SAINS Data centre)	3 (Possible)	3 (Moderate)	9 (MEDIUM)	Migrate all systems and applications to the SAINS data centre.	Puspa Diana Jawi	Ongoing
ICT	User account management	Unauthorized access/ data breach	Weak passwords, misconfigurations, credential theft -prolonged use of the same password	Dasar Keselamatan ICT Negeri Sarawak	3 (Possible)	3 (Moderate)	9 (MEDIUM)	Cybersecurity awareness program for the staff	Puspa Diana Jawi	Ongoing
ICT	Staff access to systems	Insider threat	Weak access control - shared accounts	Dasar Keselamat Siber	4 (Likely)	3 (Moderate)	12	Cybersecurity awareness program for the staff	Puspa Diana Jawi	Ongoing
ICT	Environmental & Physical	Fire, flood, heat, or humidity	Can damage data centers or server rooms.Poor environmental control	Preventive maintenance procedure	3 (Possible)	3 (Moderate)	9 (MEDIUM)	Enhance preventive maintenance procedure	Puspa Diana Jawi	Ongoing
		Theft or vandalism	Physical access risks to equipment.		3 (Possible)	3 (Moderate)	9 (MEDIUM)			
ICT	Cloud & Third-Party software & Applications	Cloud service outage	Microsoft, Nextcloud and data centre interruptions affect operations	Preventive maintenance procedure	3 (Possible)	2 (Minor)	6	Enhance preventive maintenance procedure	Puspa Diana Jawi	Ongoing
		Third party security weaknesses	Suppliers become an attack entry point.comp	Preventive maintenance procedure	2 (Unlikely)	2 (Minor)	4			
		Incompatibility with third party software/ action hold update	Third-party software is no longer maintained or supported	Preventive maintenance procedure	3 (Possible)	2 (Minor)	6			
		System bugs, cofiguration errors	wrong settings or software defects affact performance or security	Preventive maintenance procedure	2 (Unlikely)	4 (Major)	8			