

RISK REGISTER

PUSTAKA NEGERI SARAWAK

PUSTAKA INSTITUTE: WEB APPLICATION AND KNOWLEDGE MANAGEMENT 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ICT	Maintain public websites & in-house web apps	Cyber attack (defacement/ malware/ DDoS)	Exposed public endpoints; outdated components; insufficient protective controls	Firewall/ WAF, periodic patching, antivirus, change management, basic monitoring	3 (Possible)	4 (Major)	12 (MEDIUM)	Implement DDoS protection, regular vuln scans, secure coding reviews, incident runbook; align to Sarawak Cyber Security Policy	Musa bin Ayub Abd Rahman	On going
ICT	Operate knowledge base & State knowledge repository	Data breach/ privacy non-compliance	Weak access controls; unencrypted data; improper data sharing	User roles, password policies, limited sharing agreements	3 (Possible)	3 (Moderate)	9 (MEDIUM)	Enforce RBAC, encrypt data in transit/ at rest, audit logs, periodic access reviews, data-sharing MOUs per state directives	Musa bin Ayub Abd Rahman	On going
ICT	Host and deliver web services (DNS/ CDN/ Hosting)	Service outage/ availability risk	Single-point hosting; network failures	Basic backups; manual failover procedures	2 (Unlikely)	4 (Major)	8 (MEDIUM)	Redundant hosting, uptime monitoring, automated failover, DR testing	Musa bin Ayub Abd Rahman	On going
Operations	Promote & monitor repository usage	Low adoption and usage	Limited awareness; UX friction	Ad-hoc promotions; occasional training	3 (Possible)	3 (Moderate)	9 (MEDIUM)	Continuous outreach (PustakaShares), UX improvements, integrate into workflows, usage dashboards	Musa bin Ayub Abd Rahman	On going
Operations	Update content and ensure accuracy	Outdated/incorrect content	No fixed review cycle; limited editorial oversight	Informal peer review	3 (Possible)	3 (Moderate)	9 (MEDIUM)	Editorial guidelines, scheduled refresh, versioning, peer QA	Musa bin Ayub Abd Rahman	On going