

• CENTRE OF EXCELLENCE · STATE OF PERLIS

Perl AI Hub Centre of Excellence

One governed home for artificial intelligence in Perlis — building public AI literacy, safeguarding citizens, and powering every state agency with trusted, compliant AI.

PREPARED BY

 **Sebina Solution**

IN COLLABORATION WITH • **SPV · SGLC** • **Rimautek Sdn Bhd** • **Industry & Academia**

Malaysia has chosen to govern AI.

Perlis can choose to lead it.



National AI Office (NAIO)

Stood up under the **Ministry of Digital** (Dec 2024) to coordinate the country's AI agenda — adoption frameworks, a national code of ethics, and the AI Technology Action Plan 2026–2030.



AIGE — 7 Principles

Malaysia's **National Guidelines on AI Governance & Ethics** (MOSTI, Sep 2024) set seven principles for responsible, human-centred AI — the rulebook a state CoE can enforce locally.



Perlis is already building AI

The **600-acre Bandar Teknologi Maju Perlis** in Chuping will host an AI data centre & HPC — a reported ~RM49b pipeline and ~2,000 long-term tech jobs.

+ The infrastructure is coming. The governance, literacy and use-cases must arrive with it — that is the Centre of Excellence.

AI is arriving in the state faster than our guardrails.

01 Fragmented

AI tools are adopted ad-hoc, agency by agency — no single trusted home, no shared standards, duplicated spend.

02 Unequipped


Most citizens — and many civil servants — lack AI fundamentals, leaving real value unclaimed and risks misunderstood.

03 Unverified

The AI models and vendors already in use are not examined against policy, law or the AIGE principles.

04 Exposed

Misuse, data leakage, AI scams and "off-guard" decisions can go uncaught — with no one accountable.

 Without a gatekeeper, every benefit of AI quietly becomes a risk to citizens and the state.

• OUR VISION

To be the guardian & gatekeeper of every AI substance in Perlis.

A single, governed hub where citizens gain AI fluency, agencies adopt AI with confidence, and every AI company, model and solution must comply with policy and law — bringing benefit, never harm, to the state's future operations.

• Examiner

• Guardian

• Gatekeeper

Three commitments that anchor everything we build.

01

Consolidate

Gather the state's AI applications into **one governed place** — with guardrails, shared standards and a single source of trust.

02

Equip

Give **every Perlis citizen** AI fundamentals and the savviness to use AI safely, productively and confidently.

03

Elevate

Raise **public AI literacy** across the state through sustained awareness, engagement and training.

Five functions of the Centre of Excellence.



Govern

Guardrails, standards and compliance — the rulebook for AI in the state.



Enable

Build & deploy trusted AI tools that agencies can adopt immediately.



Educate

AI literacy and skills for citizens and civil servants alike.



Partner

Industry, academia and vendors — a living local AI ecosystem.



Assure

Audit, monitor and respond — continuous oversight, not one-off approval.



Together these five functions turn the vision — guardian & gatekeeper — into a working institution.

The state arm of Malaysia's AI agenda — not a parallel one.

Anchored to national policy

- **NAIO** — the CoE operationalises national AI coordination at state level.
- **AI-RMAP 2021–2025** — implements the National AI Roadmap's adoption goals on the ground.
- **Sectoral law & PDPA** — every deployment respects existing data-protection and sector rules.

Every CoE decision is traceable to a national principle — giving Perlis defensible, audit-ready AI governance.

Enforcing the 7 AIGE principles

- Fairness
- Reliability, Safety & Control
- Privacy & Security
- Inclusiveness
- Transparency
- Accountability
- Pursuit of Human Benefit

The CoE turns these national principles from voluntary guidance into **enforced, locally-checked practice** for any AI used in Perlis.

From literacy to local capability — five phases over 24 months.



Phases overlap by design — literacy seeds adoption, which pulls infrastructure, which invites industry and hardware. Momentum compounds.

Make AI fluency ordinary across Perlis.

Delivered on the **Sebina AI platform** by Sebina Solution — hands-on, in Bahasa Melayu, for every level of the public.



Awareness

Talks, roadshows and public campaigns that make AI understandable — and its risks visible — to ordinary citizens.



Engagement · Libat Urus

Community and agency involvement — AI clinics, school programs and department workshops that build a participation habit.



Training & Skills

Structured courses, certification and hands-on labs — building real, job-ready AI skills on the Sebina AI platform.



Outcome: AI-literate citizens · confident civil servants · a steady pipeline toward the 3,000-trainee target.

A governed AI platform owned by the state, for its agencies.

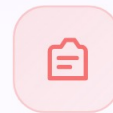
Built by **SPV-SGLC** and engineered by **Rimautek Sdn Bhd** — capability without each agency buying its own ungoverned AI.

- **Secure & sovereign** — state-owned, data resident in Perlis, no leakage to unknown third parties.
- **Department-ready tools** — common AI services agencies can switch on, not rebuild.
- **Compliant by design** — the AIGE principles and the guardrail engine are built in, not bolted on.
- **Integrated** — connects to existing state systems (e.g. eTanah, service portals) rather than replacing them.
- **Engineered to last** — Rimautek's technical depth delivers a platform the state can maintain and grow.
- **One front door** — agencies request, deploy and audit AI through a single governed channel.

□ The platform makes "trusted AI" the default option for every department — the easiest path is also the safest one.

AI for every job scope — by aligning compute, data & people.

- **Scale compute & data** — align with the Chuping AI data centre & HPC so capacity is never the bottleneck.
- **Standardise data governance** — shared, clean, well-permissioned data the whole state can build on.
- **Align people & resources** — match talent, budget and tooling to where AI creates the most value.
- **Map AI to job scopes** — a catalogue of approved AI per task category, across every department.



Anchored in Chuping

Bandar Teknologi Maju Perlis gives the state world-class AI infrastructure on its doorstep. The CoE ensures that capacity is **governed and used for public good**, not just rented out.

600 acres · AI data centre + HPC · ~RM49b reported pipeline (MIDA / Bernama)

Locally-grounded AI, built with industry.



Partner with industry

Co-build with local and national companies so the state's AI is shaped by those who run real operations here.



Local language & context

AI tuned to Bahasa Melayu, local data and Perlis realities — relevant, not generic foreign tooling.



Keep value in-state

Support Perlis SMEs and talent so AI grows a local economy and keeps data & jobs within the state.

✓ Outcome: an AI economy that **serves** Perlis — not one that merely consumes someone else's models.

05

Extend AI into the physical world.



Edge & on-prem

Local inference for speed, privacy and resilience — AI that runs where it's needed.



Sensors & IoT

Real-world data from farms, roads and public spaces feeding smarter decisions.



Robotics & automation

From agriculture to logistics — physical tasks augmented by AI.



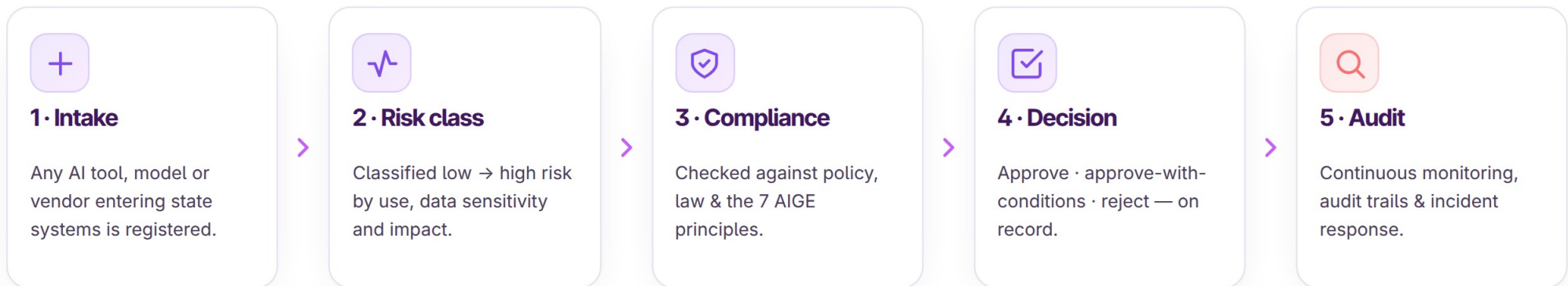
Broader environment

Expand AI's reach across the whole state — public spaces, utilities, services.

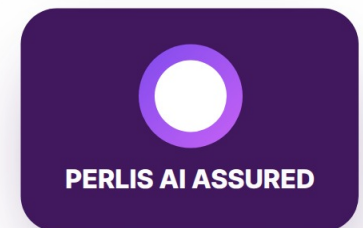


The arc completes: from software literacy to physical capability — Perlis future-proofed.

How the gatekeeper actually works.



 No AI company or model can operate "off-guard" in state systems — compliance is the price of admission.



● PLATFORM PREVIEW

Not just a vision — here is what we will build.

High-fidelity previews of the Perlis AI Hub in action — the literacy platform, the governed agency tools, the guardrail console, and the citizen services that turn the Centre of Excellence from a plan into a product.

● Literacy platform

● Agency AI console

● Guardrail engine

● Citizen services

Learn AI by **building it** — in Bahasa Melayu.

The dashboard is titled "Sebina AI · Akademi" and includes navigation links for "Papan Pemuka", "Kursus", "Makmal AI", "Sijil", and "Komuniti". A user profile icon labeled "AS" is in the top right.

User Profile: Selamat kembali, **Aisyah binti Razak**. A circular progress indicator shows 68% completion for the "Sijil Asas AI" (9 / 14 modul selesai) for "Penjawat Awam". A "Teruskan belajar" button is present.

Teruskan kursus anda:

- Asas AI untuk Penjawat Awam** (80% progress)
- Membina Laman & App dengan AI** (45% progress)
- AI Beretika, Selamat & Sah** (20% progress)
- Makmal AI langsung — bina chatbot pertama anda** (Mula)

Statistics:

- 42 jam pembelajaran
- 9 modul selesai
- 3 projek dibina
- #127 kedudukan negeri

One governed home for every department's AI.

The screenshot displays the Perlis AI Hub interface. At the top, the browser address bar shows 'hub.perlisaihub.gov.my/tools'. The left sidebar contains navigation options: 'Papan Pemuka', 'Alat AI', 'Data', 'Permohonan', 'Audit', and 'Tetapan'. The main content area is titled 'Alat AI Diluluskan' (AI Tools Approved) for the 'Jabatan Pertanian Negeri Perlis' (Perlis State Agriculture Department), with 14 tools available. A search bar 'Cari alat AI...' and a '+ Minta alat baharu' button are at the top right. The tools are arranged in a grid:

- Peringkat Dokumen BM** (Low Risk): Ringkaskan laporan & minit dalam saat. Status: Perlis AI Assured. Action: Buka.
- Pembantu Pertanyaan Rakyat** (Low Risk): Jawab soalan rakyat 24/7 dalam BM. Status: Perlis AI Assured. Action: Buka.
- AI Rekod Tanah (eTanah)** (Medium Risk): Carian & semakan rekod tanah pintar. Status: Perlis AI Assured. Action: Buka.
- Terjemah BM ↔ EN ↔ 中文** (Low Risk): Terjemahan dokumen rasmi serta-merta. Status: Perlis AI Assured. Action: Buka.
- Analitik & Laporan AI** (Low Risk): Jana laporan eksekutif dari data jabatan. Status: Perlis AI Assured. Action: Buka.

A dashed box at the bottom right contains a '+ Minta alat AI baharu' button with the text 'Dihantar ke guardrail untuk semakan' (Sent to guardrail for review).

Every AI examined before it touches the state.

Semakan Jaminan AI · #4821

VendorX Language Model v3.2 — dimohon oleh Jabatan Kesihatan

● Risiko Sederhana

Senarai semak — 7 Prinsip AIGE Kebangsaan

✔ Fairness / Keadilan	Tiada bias merentas demografi diuji	Lulus
✔ Reliability, Safety & Control	Had keselamatan & kawalan disahkan	Lulus
● Privacy & Security	Data perlu kekal residen di Perlis	Syarat
✔ Inclusiveness	Sokong BM & akses OKU	Lulus
✔ Transparency	Sumber & had model didedahkan	Lulus
✔ Accountability	Pemilik & jejak audit ditetapkan	Lulus
✔ Pursuit of Human Benefit	Manfaat awam jelas & tidak memudaratkan	Lulus

Keputusan

Lulus dengan syarat

Tolak

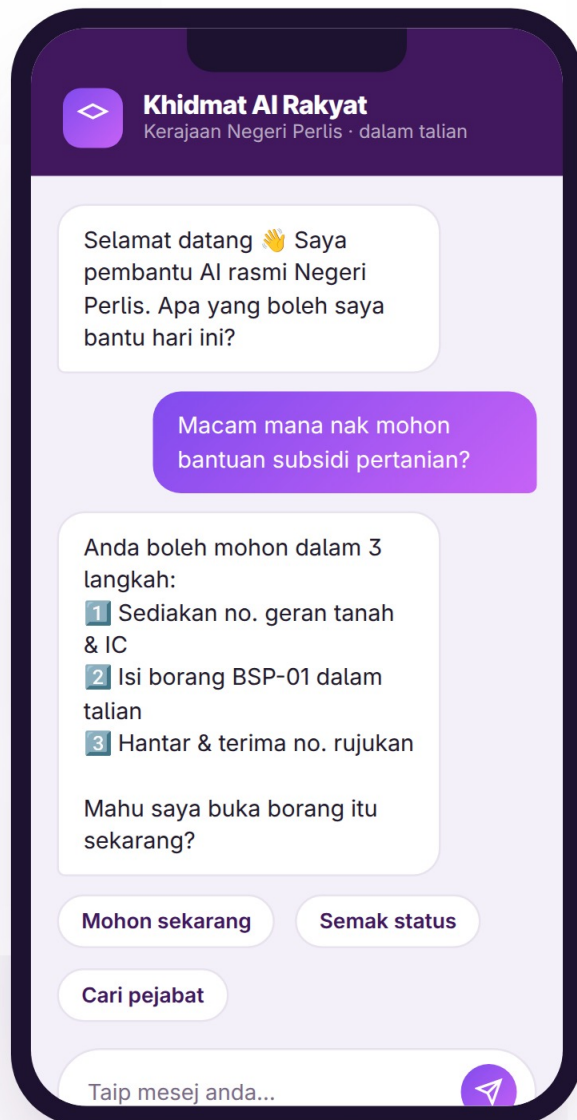
Lulus penuh

Syarat: data mesti diproses dalam wilayah Perlis & log audit didayakan.

Jejak audit

- ✔ Dihantar · 18 Jun, 09:14
- ✔ Diklasifikasi risiko · 18 Jun
- ✔ Disemak pegawai CoE · 20 Jun
- Menunggu keputusan

Government that answers 24/7, in your language.



Satu pintu untuk semua agensi

Satu pembantu yang tahu setiap perkhidmatan negeri — rakyat tak perlu cari jabatan mana.

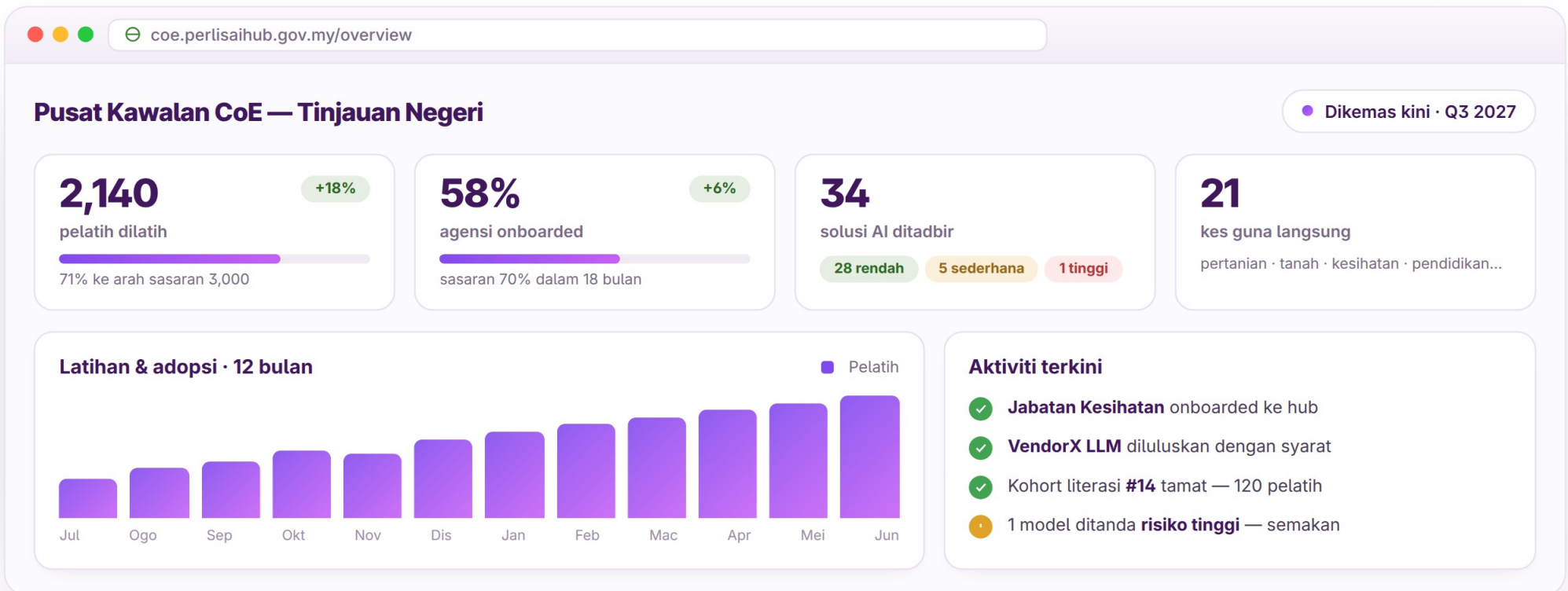
Bahasa Melayu dahulu

Dilatih untuk konteks & loghat tempatan — termasuk EN & 中文 untuk semua rakyat.

Selamat & bertanggungjawab

Setiap jawapan melalui guardrail — tiada nasihat memudaratkan, data rakyat dilindungi.

The whole state's AI — measured & governed in one view.



AI in the field — protecting Perlis harvests.

🌐 tani.perlisaihub.gov.my/peta

Sistem AI Pertanian Perlis

Zon Chuping & sekitar · 1,240 hektar dipantau

● Satelit · langsung

▲ Risiko perosak
Sawah Chuping B-12

● Sihat
● Perlu tindakan

▲ Amaran perosak — Chuping B-12

Tanda awal serangan dikesan. Cadangan: tinjauan lapangan dalam 48 jam.

Hantar pasukan

Ramalan hasil · musim ini

+12% vs purata 5 tahun

💧 Cadangan pengairan Optimum

Kurangkan 15% — hujan dijangka Khamis.

Clear, time-boxed commitments.

3,000

trainees upskilled

in AI fundamentals & skills within **24 months** — citizens and civil servants.

70%

of agencies onboarded

using governed AI through the CoE within **18 months**.

**Lead
role**

in a sustainable AI ecosystem

Perlis playing a **major, lasting role** in the state's AI development.

100+

literacy programs delivered

All

state-system AI solutions governed

20+

live public-good use-cases

↑

% of citizens reached & aware

10+

local industry & academic partners

Real AI, applied to Perlis.



Agriculture

Yield, pest & irrigation intelligence for paddy and Chuping sugarcane.



Land & eTanah

Faster land services & document automation, building on Perlis eTanah.



Public-service chat

24/7 answers to citizens in Bahasa Melayu, across agencies.



Healthcare

Triage support & clinic workflow assistance for faster care.



Education

AI tutoring & teacher support that lifts learning outcomes.



Tourism

Smart promotion of Perlis — caves, heritage & cross-border trade.



Disaster resilience

Flood early-warning & coordinated response across the state.



Civil-servant productivity

Drafting, summarising & case handling — hours returned to citizens.

What changes for the people of Perlis.



Faster, friendlier services

Government that answers in minutes, in your language, at any hour.



An AI-literate population

From schoolchildren to seniors — citizens who use AI with confidence.



Protection from misuse

A guardian against AI-enabled scams, deepfakes & data harm.



New jobs & a local AI economy

Skills and opportunity that compound with the Chuping build-out.



Inclusive access

Designed so no citizen — rural, elderly or disabled — is left behind.



Talent that stays

Young Perlisians build careers at home, not only in the big cities.

What success looks like in 24 months.



Capability

Agencies run on governed AI; staff hours returned to serving citizens.



People

3,000+ trained; AI fluency becomes a normal civic skill.



Trust

Every AI in state systems vetted, audit-ready and accountable.



Economy

Local AI partners, investment and jobs catalysed alongside Chuping.



Reputation

Perlis recognised as Malaysia's model AI-governed state.



The smallest state, setting the national standard for how AI should be governed, taught and used for the public good.

Clear roles. Shared investment. State ownership of trust.

STAKEHOLDER	ROLE	FUNDS / OWNS
State Government	Mandate, policy & data custodianship	Mandate · co-funding · oversight
SPV · SGLC	Build & operate the state AI platform	Platform asset & delivery
Sebina Solution	Literacy platform & programs (Phase 1)	Training delivery on Sebina AI
Rimautek Sdn Bhd	Engineering & technical delivery	Platform engineering
Industry	Local solutions & co-innovation	Co-investment
Academia	Research, curriculum & talent	Knowledge & pipeline

Governance structure

● State AI Steering Committee



● CoE Office (Perlis AI Hub)



● Literacy

● Platform

● Governance

● Industry



Funding is shared & phased — but the **guardrails and trust stay state-owned.**

Give Perlis the mandate to lead — and we begin in 90 days.

1

Endorse the mandate

Approve the CoE mandate & governance structure.

2

Sign the MoUs

SPV-SGLC, Sebina Solution & Rimautek partnership.

3

Launch Phase 1

First AI-literacy cohort live on the Sebina AI platform.

4

Stand up guardrails

Open the AI intake & assurance process for agencies.

Perlis becomes the place where AI is **governed, taught and used for the public good** — a guardian for its citizens and a model for the nation.



Let's build the Perlis AI Hub — Centre of Excellence.