



Ringkasan Eksekutif
Executive Summary

DRAF

RANCANGAN STRUKTUR
NEGERI PERAK
(K A J I A N S E M U L A)

2040

PERAK, NEGERI SEJAHTERA DAN BERPRESTASI TINGGI

ISI KANDUNGAN

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PENGENALAN

INTRODUCTION

1 DEFINISI RANCANGAN STRUKTUR

DEFINITION OF STRUCTURE PLAN

Rancangan Struktur (RS) disediakan selaras dengan peruntukan Akta Perancangan Bandar dan Desa 1976 (Akta 172) sebagai instrumen perancangan utama di peringkat negeri

Structure Plan (RS) prepared in accordance with the provision of Town and Country Planning Act 1976 (Act 172), as the main planning instrument at the state level.

“ Merancang ruang, memacu kemakmuran, memelihara alam, meningkatkan kesejahteraan.

Planning space, thriving, preserving nature, enhancing well-being ”

2 FUNGSI DAN PERANAN RANCANGAN STRUKTUR SEBAGAI INSTRUMEN TRANSFORMASI

ROLE AND FUNCTION STRUCTURE PLAN AS TRANSFORMATION INSTRUMENT

Dokumen ini berfungsi sebagai dasar spatial negeri yang menetapkan kerangka pembangunan jangka panjang merangkumi petempatan, guna tanah, pengangkutan, pengurusan sumber Kawasan Sensitif Alam Sekitar (KSAS) dan infrastruktur utama. Ia turut menjadi instrumen penyelarasan dasar fizikal, ekonomi, pelaburan, perancangan wilayah dan agihan kemudahan awam dalam satu kerangka spatial bersepadu.

Selain itu, dokumen ini menjadi platform penyelarasan antara negeri dan negara dengan mengambil kira implikasi pembangunan rentas sempadan terhadap sosioekonomi dan infrastruktur wilayah, serta menjadi asas penyediaan rancangan tempatan dan kawalan pembangunan agar keputusan perancangan selaras dengan hala tuju strategik negeri.

Dalam konteks pembangunan kontemporari yang semakin kompleks dan dinamik, rancangan struktur (RS) tidak lagi wajar dilihat sebagai dokumen statik atau sekadar instrumen pematuhan. Sebaliknya, ia berfungsi sebagai:

- Kerangka spatial jangka panjang negeri;
- Instrumen penyelarasan antara pembangunan ekonomi dan guna tanah;
- Platform pelaksanaan pelaburan strategik; dan
- Asas perancangan dan kawalan pembangunan di peringkat negeri dan tempatan

Sehubungan itu, Rancangan Struktur Negeri Perak 2040 (Kajian Semula) merupakan dokumen transformasi yang membentuk struktur daya saing, keseimbangan wilayah dan ketahanan pembangunan Negeri Perak.

This document functions as a state spatial policy that sets a long-term development framework, encompassing settlement structure, land use, transportation, resource management of Environmental Sensitive Area Control KSAS and major infrastructure. It also serves as an instrument for coordinating physical, economic, investment, regional planning and distribution of public facilities policies within an integrated spatial framework.

In addition, this document serves as a platform for coordination between states and the country by taking into account the implications of cross-border development on the socio-economic and regional infrastructure, as well as serving as the basis for the preparation of Local Plans and development control so that planning decisions are in line with the state's strategic direction.

In the context of contemporary development that is increasingly complex and dynamic, the Structural Plan should no longer be seen as a static document or a mere compliance instrument. Instead, it functions as:

- *The state's long-term spatial framework;*
- *A coordination instrument between economic development and land use;*
- *A platform for implementing strategic investments; and*
- *The basis of development planning and control at the state and local levels*

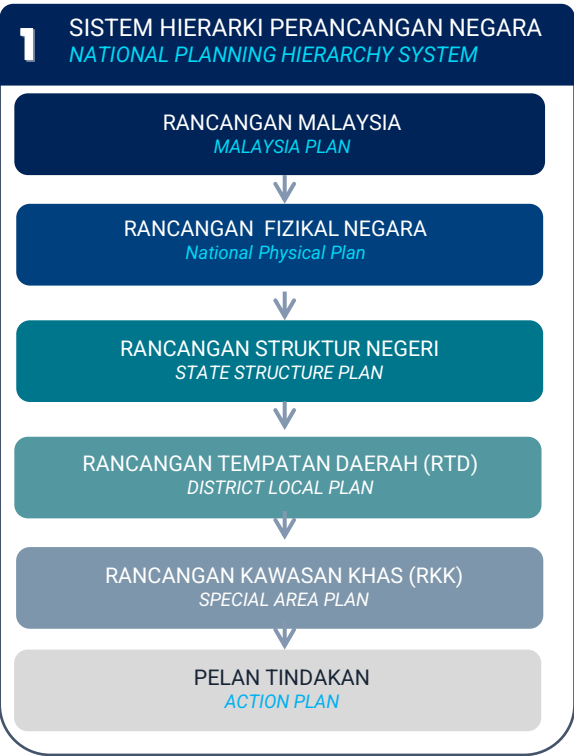
In this regard, Perak State Structure Plan 2040 (Review) is a transformational document that shapes the structure of competitiveness, regional balance and development resilience of the State of Perak.

SISTEM PERANCANGAN NEGARA DAN KEDUDUKAN RANCANGAN STRUKTUR

NATIONAL PLANNING SYSTEM AND STRUCTURE PLAN POSITIONING

RS merupakan dokumen perancangan spatial utama negeri yang disediakan selaras dengan sistem perancangan negara dan berperanan sebagai penghubung antara dasar pembangunan nasional, dasar negeri dan pelaksanaan di peringkat tempatan

RS is the state's primary spatial planning document prepared in accordance with the National Planning System and serves as the link between national development policies, state policies and local implementation.



PERAK THINK GLOBAL

PERAK THINK GLOBAL



KONSEP TRANSFORMASI NEGERI PERAK 2040 TRANSFORMATION CONCEPT OF NEGERI PERAK 2040

PERAK THINK GLOBAL

Negeri Perak diposisikan sebagai nod strategik yang menghubungkan Wilayah Utara dan Konurbasi Nasional melalui pembangunan ekonomi bernilai tinggi, struktur spatial berhierarki dan pengurusan sumber yang mampan.

Perak is positioned as a strategic node, linking northern region and national conurbation through high value economic activities, a structured spatial framework and sustainable resource management.

RASIONAL PERAK THINK GLOBAL PERAK THINK GLOBAL RATIONAL

1



Kedudukan Strategik
Strategic Location

2



Hubungan Wilayah
Regional Relation

3



Ekonomi Bernilai Tinggi
High Value Economy

4



Struktur Spatial
Berhierarki
Hierarchical Spatial Structure

5



Pengurusan Sumber
Mampan
*Sustainable Resource
Management*

6



Tadbir Urus Cekap
Efficient Governance

7



Daya Saing Masa
Hadapan
Future Competitiveness

PENJAJARAN DASAR

POLICY ALIGNMENT

RS Negeri Perak 2040 (Kajian Semula) disediakan berasaskan penajajaran dasar di peringkat global, nasional, wilayah dan negeri bagi memastikan pembangunan Negeri Perak kekal relevan, berdaya saing, inklusif dan berdaya tahan menjelang tahun 2040.

Perak State Structure Plan 2040 (Review) is aligned with global, national, regional and state policy frameworks to ensure that Perak remains competitive, inclusive, sustainable and resilient towards 2040.

GLOBAL



Matlamat Pembangunan Mampan 2030
(Sustainable Development Goals, SDG 2030)



Agenda Perbandaran Baharu
(New Urban Agenda, Habitat III, 2016)



Rangka Kerja Sendai untuk Pengurangan Risiko Bencana (2015–2030)
Sendai Framework for Disaster Risk Reduction 2015-2030



Pertumbuhan Segitiga Indonesia – Malaysia - Thailand (IMT-GT)
Indonesia, Malaysia, Thailand Growth Triangle (IMT-GT)

NASIONAL

Rancangan Malaysia Ketiga Belas (RMK13)
13th Malaysia Plan

Kajian Sempadan Antarabangsa Malaysia-Thailand (KSAMT)
Malaysia- Thailand International Border Study

Dasar Perumahan Mampu Milik Negara
National Affordable Housing Policy

Rancangan Fizikal Negara Kelima (RFN5)
Fifth National Physical Plan

Rangka Kerja Bandar Pintar Malaysia
Malaysia Smart City Framework

Dasar Perhutanan Negara
National Forest Policy

Dasar Perbandaran Negara Ketiga (DPN3)
Third National Urbanisation Policy

Dasar Mineral Negara 2
Second National Mineral Policy

Dasar Sumber Air Negara (DSAN)
National Water Resource Policy

Dasar Perancangan Fizikal Desa Negara 2030 (DPFDN 2030)
National Rural Physical Planning Policy 2030

Dasar Agromakanan Negara 2021-2030 (DAN 2.0)
National Agrofood Policy 2021-2030

Rancangan Fizikal Zon Persisiran Pantai Negara Ke-2 (RFZPPN2)
The National Coastal Zone Physical Plan

Dasar Perumahan Negara 2018-2025 (DRN)
National Housing Policy 2018-2025

Dasar Pengangkutan Negara (DPN) 2019-2030
National Transportation Policy 2019-2030

WILAYAH



Pelan Pembangunan Strategik Wilayah Ekonomi Koridor Utara (NCER) 2.0
National Corridor Economic Region (NCER) Strategic Development Plan 2.0



Rancangan Wilayah Pelan Pengurusan Tanah Tinggi Cameron Highlands – Kinta – Lojing (CEKAL)
Cameron Highlands – Kinta – Lojing Highlands Management Plan Regional Plan

NEGERI



Pelan Perak Sejahtera 2030



Pelan Perindustrian Perak (P3)
Perak Industrial Plan (P3)



Bandaraya Ipoh Bandar Ekonomi Donut 2027
Ipoh City Donut Economic City 2027



Pelan Strategik Pendigitalan 2021-2026
Digitalization Strategic Plan 2021-2026

VISI, OBJEKTIF PEMBANGUNAN NEGERI & IMPAK STRATEGIK 2040

VISION, STATE DEVELOPMENT OBJECTIVES & STRATEGIC IMPACT 2040

VISI VISION

PERAK, NEGERI SEJAHTERA DAN BERPRESTASI TINGGI

PERAK, A PROSPEROUS AND HIGH PERFORMING STATE

PERAK THINK GLOBAL

Pendekatan pembangunan berasaskan minda Perak Think Global yang menekankan keupayaan negeri untuk berfikir secara global dan bertindak bagi mewujudkan keseimbangan wilayah serta mengoptimumkan potensi tempatan mengukuhkan prestasi ekonomi di peringkat nasional dan serantau

Development approach based on Perak Think Global mindset, emphasizing the state's ability to think globally and act towards achieving regional balance while optimising local potential to strengthen economic performance in the national and regional levels



OBJEKTIF PEMBANGUNAN DEVELOPMENT OBJECTIVE

OP1



Memperkuhkan Daya Saing dan Ketahanan Ekonomi Negeri

Enhancing state's economic competitiveness and resilience

OP2



Mewujudkan Pembangunan Wilayah yang Seimbang dan Bersepadu

Creating balance and integrated regional development

OP3



Meningkatkan Kesejahteraan dan Kualiti Hidup Rakyat

Enhancing Social Well-Being and Quality of Life

OP4



Memelihara Kelestarian Alam Sekitar dan Warisan Negeri

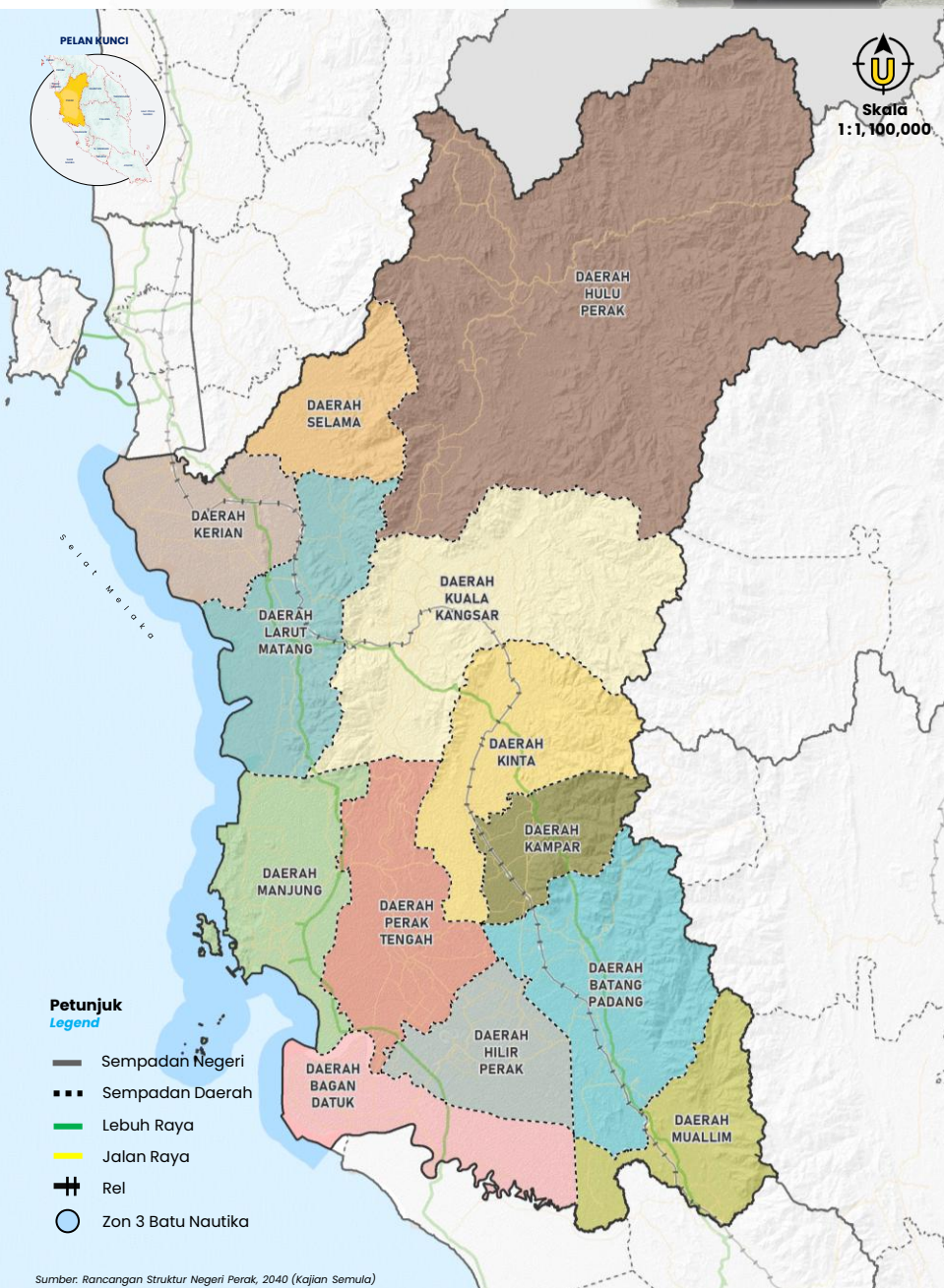
Advancing Environmental Sustainability and Heritage Conservation

PROFIL SEMASA

CURRENT PROFILE

Kawasan kajian RS Negeri Perak 2040 (Kajian Semula) merangkumi keseluruhan kawasan pentadbiran Negeri Perak Darul Ridzuan dengan keluasan 2,114,631.52 hektar yang turut meliputi 3 batu nautika ke arah laut.

Study area for Perak State Structure Plan 2040 (review) covers the entire administrative area of Perak with total acreage of 2,114,631.52 hectares and includes 3 nautical miles towards the sea.



Keluasan Acreage

2,114,631.52
hektar/ hectare

Sumber/ Source No. Warta (3747)

Turut meliputi 3 batu nautika ke arah laut
Including 3 nautical miles towards the sea

Pentadbiran Administration



12 Daerah
Districts

Mempunyai 13 sempadan daerah
Has 13 district boundaries

15
Pihak Berkuasa
Tempatan
(PBT)
Local Authority



1
Pihak Berkuasa
Perancang
Tempatan
(PBPT)
Local Planning
Authority

Wilayah Pertumbuhan Development Regions



4
Wilayah
4 Regions

PROFIL SEMASA

CURRENT PROFILE



RINGKASAN PROFIL

PROFILE SUMMARY



Bilangan Penduduk
Population
2,569,041 Orang
People

Kepadatan Penduduk
Population Density
118 Orang/km²
People/km²



Peluang Pekerjaan
Job Opportunities
1,164,070 pekerjaan



Liputan Rel
Rail Coverage
234 km



Kedatangan Pelancong Domestik
Domestic Tourist Arrival
11.17 Juta pelancong
Million tourist



Keperluan Perumahan
Housing Needs
996,600 unit



Hasil Pengeluaran Agromakanan
Agrofood Production
1,532.9 Juta/kg
Million/kg



Permintaan Bekalan Air Terawat
Treated Water Supply Demand
1,567 JLH
MLD



Liputan Lebuhraya
Highways Coverage
392.2 km



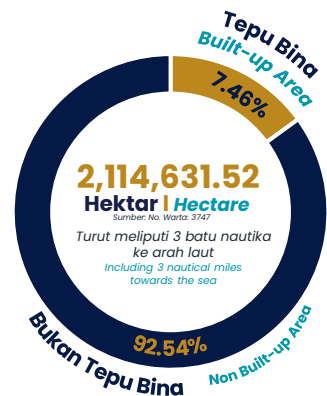
Liputan Kawasan Berhutan
Forested Area Coverage
49.2%

Prestasi Ekonomi Negeri
State Economy Performance
RM 86.24
Billion
DOSM, 2024

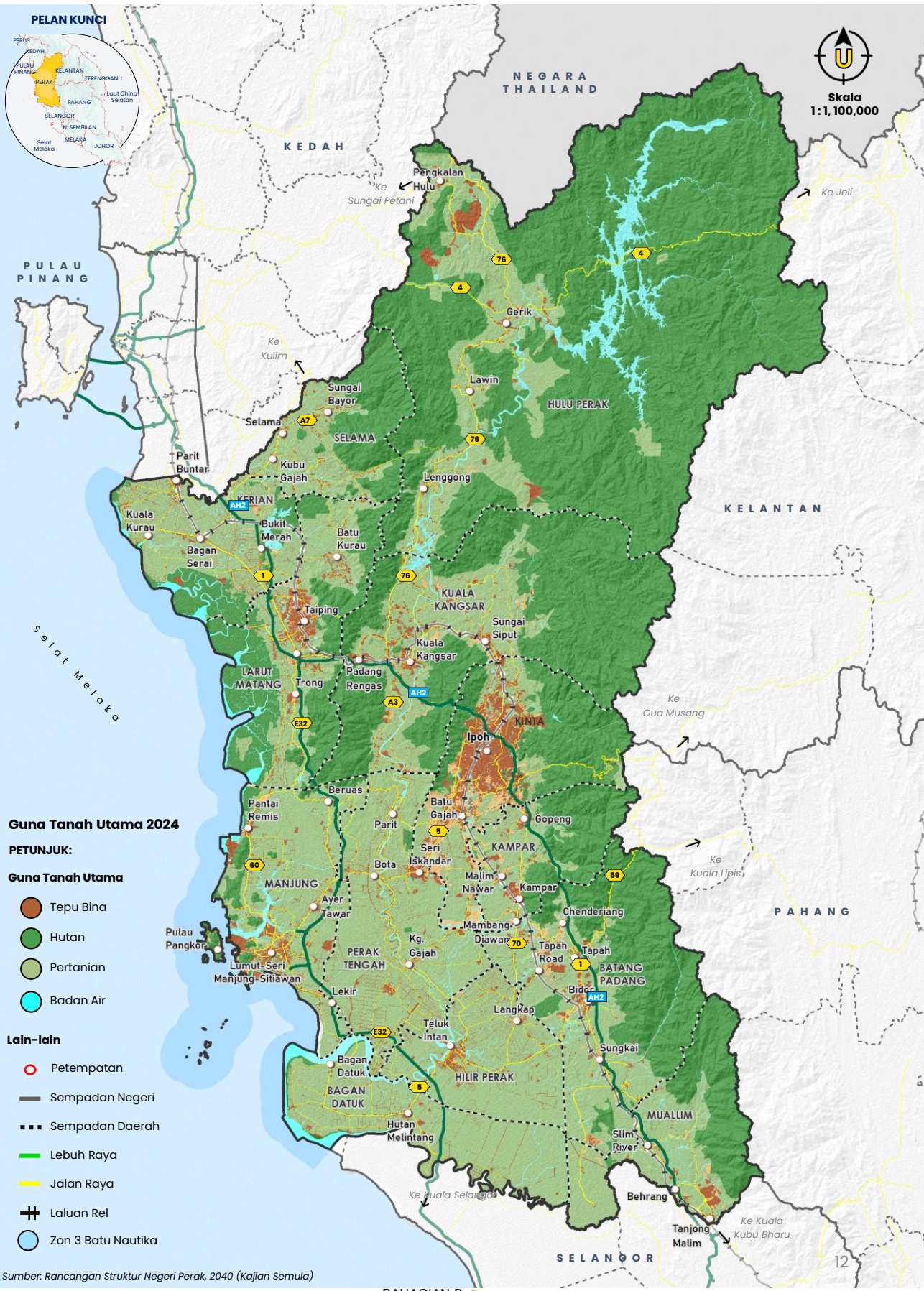
Peningkatan KDNK Per Kapita
GDP Increasing Per Kapita
RM 35,680

GUNA TANAH SEMASA, 2024

CURRENT LAND USE, 2024



Pengangkutan <i>Transportation</i>	43,224.78 hek. (2.04%)	
Perumahan <i>Residential</i>	38,733.39 hek. (1.83%)	
Tanah Pembangunan <i>Development Land</i>	34,157.02 hek. (1.62%)	
Institusi dan Kemudahan Masyarakat <i>Institution and Public Facilities</i>	13,861.82 hek. (0.66%)	
Industri <i>Industry</i>	13,512.65 hek. (0.64%)	
Infrastruktur dan Utiliti <i>Infrastructure and Utility</i>	7,241.59 hek. (0.34%)	
Komersial <i>Commercial</i>	3,612.33 hek. (0.17%)	
Tanah Lapang dan Rekreasi <i>Open Space and Recreational</i>	3,426.01 hek. (0.16%)	
		Hutan <i>Forest</i> 1,040,304.69 hek. (49.2%)
		Pertanian <i>Agriculture</i> 824,786.42 hek. (39%)
		Badan Air <i>Water Bodies</i> 91,483.41 hek. (4.33%)
		Pantai <i>Beach</i> 287.41 hek. (0.01%)



PELAN KUNCI



Skala
1:1,100,000

Guna Tanah Utama 2024

PETUNJUK:

Guna Tanah Utama

- Tepu Bina
- Hutan
- Pertanian
- Badan Air

Lain-lain

- Petempatan
- Sempadan Negeri
- Sempadan Daerah
- Lebuhraya
- Jalan Raya
- Laluan Rel
- Zon 3 Batu Nautika

Sumber: Rancangan Struktur Negeri Perak, 2040 (Kajian Semula)

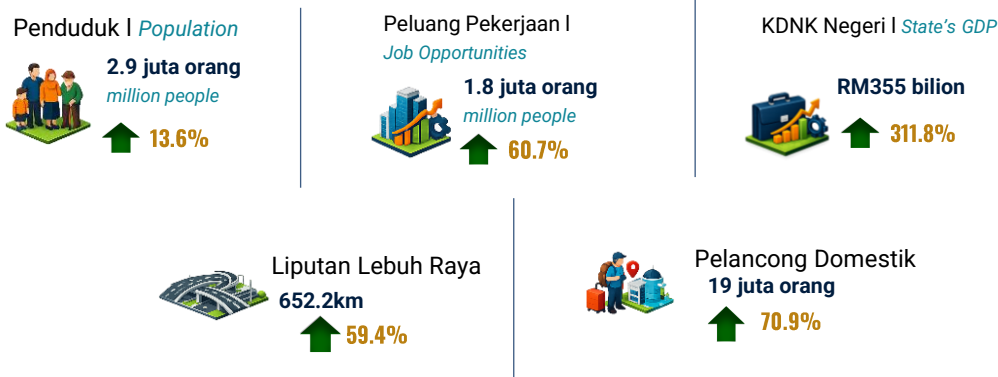
UNJURAN UTAMA 2040

MAIN PROJECTION 2040

PERKARA/ DETAILS	2023/2024	2030	2040	Peningkatan 2023/2024 - 2040
Bilangan Penduduk <i>Population</i>	2,569,041 orang/ <i>people</i>	2,708,600 orang/ <i>people</i>	2,918,500 orang/ <i>people</i>	↑ 13.60%
Peluang Pekerjaan <i>Job opportunities</i>	1,164,070 pekerjaan/ <i>job</i>	1,333,930 pekerjaan/ <i>job</i>	1,870,820 pekerjaan/ <i>job</i>	↑ 60.71%
Jumlah KDNK Negeri <i>Total KDNK</i>	RM86.2 Bilion	RM130 Bilion	RM355 Bilion	↑ 311.83%
Keluasan Kawasan Tepu Bina <i>Build-up Area Acreage</i>	157,769.59 hektar / <i>hectares</i>	192,471.97 hektar / <i>hectares</i>	292,249.33 hektar / <i>hectares</i>	↑ 85.24%
Keperluan Perumahan <i>Housing needs</i>	996,600 unit	773,137 unit	800,617 unit	↑ -19.67%
Hasil Pengeluaran Agromakanan <i>Agrofood production</i>	1,532.9 juta kg/ <i>million kg</i>	1,763.7 juta kg/ <i>million kg</i>	2,346.5 juta kg/ <i>million kg</i>	↑ 53.08%
Liputan Lebuhraya <i>Highway Coverage</i>	392.2 km	601.2 km	625.2 km	↑ 59.41%
Liputan Rel <i>Rail Coverage</i>	234 km	287.1 km	1,417.1 km	↑ 43.33%
Permintaan Bekalan Air Terawat <i>Treated Water Supply Demand</i>	1,567 jlh/ <i>mld</i>	1,815 jlh/ <i>mld</i>	2,246 jlh/ <i>mld</i>	↑ 70.99%
Kedatangan Pelancong Domestik <i>Domestic Tourist Arrival</i>	11.17 juta pelancong/ <i>million tourist</i>	13.6 juta pelancong/ <i>million tourist</i>	19.1 juta pelancong/ <i>million tourist</i>	↑ 70.99%
Bilangan Warisan Dunia UNESCO <i>Number of UNESCO World Heritage Sites</i>	1 aset warisan / <i>heritage asset</i>	2 aset warisan / <i>heritage asset</i>	3 aset warisan / <i>heritage asset</i>	↑ 1 aset warisan
Liputan Kawasan Berhutan <i>Forest Coverage Area</i>	46.7%	47.5%	49.2%	↑ 5.35%

GAMBARAN KESELURUHAN MENJELANG 2040

OVERALL OVERVIEW UNTIL 2040



POTENSI DAN CABARAN PERANCANGAN (PCP) NEGERI

STATE PLANNING POTENTIAL AND CHALLENGES

Sintesis PCP mengenal pasti isu, potensi dan cabaran strategik Negeri Perak berdasarkan analisis pelbagai sektor bagi menentukan keutamaan pembangunan, teras strategik dan tindakan pelaksanaan ke arah negeri yang lebih seimbang, berdaya saing, inklusif dan berdaya tahan menjelang 2040.

The PCP synthesis identifies the issues, potential and strategic challenges of the State of Perak based on an analysis of various sectors to determine development priorities, strategic thrusts and implementation actions towards a more balanced, competitive, inclusive and resilient state by 2040.

PCP 1

TRANSFORMASI EKONOMI DAN PENGUKUHAN DAYA SAING NEGERI

ECONOMIC TRANSFORMATION AND STRENGTHENING OF STATE COMPETITIVENESS



- Kurang keupayaan menarik pelaburan asing, tumpuan pelaburan kepada sumber domestik.
Lack of ability to attract foreign investment, investment focus on domestic sources.
- Potensi sektor ekonomi hijau, digital, logistik dan pelancongan belum dimaksimumkan.
The potential of the green, digital, logistics and tourism economic sectors has not been maximized.

PCP 4

JURANG SOSIOEKONOMI BANDAR - LUAR BANDAR

URBAN- RURAL SOCIO ECONOMIC GAP



- Keperluan pengurusan mampan dan peningkatan sosioekonomi kawasan kampung tradisional.
The need for sustainable management and socio economic improvement of traditional village area
- Keperluan kepada peningkatan kemudahan asas dan peluang sosioekonomi bagi komuniti Orang Asli.
Need for improved basic facilities and socio economic opportunities for Orang Asli Community

PCP 2

PERUBAHAN STRUKTUR DEMOGRAFI DAN TENAGA KERJA

CHANGES IN DEMOGRAPHIC AND WORKFORCE STRUCTURE



- Penghijrahan belia keluar yang melemahkan asas tenaga kerja negeri.
Outmigration of youth weakens the state's workforce base.
- Penuaan penduduk yang menambah tekanan terhadap sistem kesihatan dan sokongan sosial.
Aging population is putting added pressure on health and social support systems.

PCP 5

TEKANAN ALAM SEKITAR DAN KEMAMPAHAN GUNA TANAH

ENVIRONMENTAL PRESSURES AND LAND USE SUSTAINABILITY



- Perubahan guna tanah akibat pengurangan kawasan hutan dan peluasan pertanian.
Land use changes due to the reduction of forest area and agricultural expansion.
- Konflik guna tanah pertanian akibat risiko bencana.
Agricultural land use conflict due to disaster risk.

PCP 3

KETIDAKSEIMBANGAN AGIHAN PEMBANGUNAN ANTARA DAERAH DAN WILAYAH NEGERI

IMBALANCING DISTRIBUTION OF DEVELOPMENT BETWEEN REGIONS AND STATE REGIONS



- Agihan pembangunan wilayah yang tidak seimbang dengan tumpuan di Lembah Kinta dan Manjung.
Imbalance distribution of regional development with a focus on the Kinta and Manjung Valleys.
- Dominasi Bandaraya Ipoh sebagai bandar primat yang menjejaskan daya hidup bandar kecil.
The dominance of Ipoh City as a primate city is affecting the vitality of small towns.

PCP 6

KETERSAMBUNGAN INFRASTRUKTUR DAN MOBILITI WILAYAH

INFRASTRUCTURE CONNECTIVITY AND REGIONAL MOBILITY



- Kekangan prasarana logistik bagi menyokong ekonomi berdaya saing.
Constraints in logistics infrastructure to support a competitive economy.
- Keperluan peningkatan infrastruktur bagi menyokong pertumbuhan masa hadapan.
The need for improved infrastructure to support future growth.

KONSEP PEMBANGUNAN

DEVELOPMENT CONCEPT

Penyediaan Konsep Pembangunan Negeri bagi Rancangan Struktur Negeri Perak 2040 (Kajian Semula) merupakan langkah strategik untuk mentransformasikan hala tuju pembangunan negeri dalam menghadapi perubahan global dan cabaran struktural yang semakin kompleks. Dinamika ekonomi antarabangsa, persaingan antara wilayah, tekanan terhadap sumber semula jadi serta perubahan demografi menuntut satu kerangka pembangunan yang jelas, bersepadu dan berpandangan jauh sebagai asas perancangan jangka panjang Negeri Perak.

Konsep ini dibangunkan bukan sekadar sebagai kerangka spatial, tetapi sebagai naratif strategik yang mentafsir semula kedudukan, peranan dan aspirasi Negeri Perak dalam sistem ekonomi nasional dan global. Ia berfungsi sebagai kompas pembangunan negeri yang mengintegrasikan pertumbuhan ekonomi, keseimbangan wilayah dan kelestarian sumber bagi membentuk sebuah negeri yang berdaya saing, berdaya tahan dan sejahtera menjelang tahun 2040.

The Preparation of the State Development Concept for the Perak State Structural Plan 2040 (Review) is a strategic step to transform the state's development direction in the face of global change and increasingly complex structural challenges. International economic dynamics, inter-regional competition, pressure on natural resources and demographic changes demand a clear, integrated and far-sighted development framework as the basis for long-term planning for the State of Perak.

This concept is developed not just as a spatial framework, but as a strategic narrative that reinterprets the position, role and aspirations of the State of Perak in the national and global economic system. It functions as a state development compass that integrates economic growth, regional balance and resource sustainability to form a competitive, resilient and prosperous state by 2040.

PENDEKATAN APPROACH

PERAK THINK GLOBAL

Diperkenalkan sebagai komponen penting konsep ini, yang menekankan keperluan berfikir secara global, bertindak secara wilayah dan membina kekuatan negeri berasaskan kelebihan relatif tempatan. Pendekatan ini membolehkan Negeri Perak memposisikan diri secara lebih strategik dalam rantaian nilai serantau dan global, tanpa mengabaikan keseimbangan wilayah, keadilan sosial dan kelestarian alam sekitar.

Introduced as an important component of this concept, which emphasizes the need to think globally, act regionally and build state strength based on local comparative advantages. This approach allows the State of Perak to position itself more strategically in the regional and global value chain, without neglecting regional balance, social justice and environmental sustainability.

KERANGKA KONSEPTUAL PEMBANGUNAN DAN TRANSFORMASI CONCEPTUAL FRAMEWORK OF DEVELOPMENT AND TRANSFORMATION

1 Konsep Pembangunan Ekonomi Economy Development Concept

Kerangka Pemosisian Daya Saing (Competitive Positioning Framework)



Ketersediaan bank tanah industri bagi menyokong pertumbuhan pelaburan masa hadapan
Availability of industrial land banks to support future investment growth



Jaminan sumber air mentah yang mampan dan berkapasiti tinggi
Guarantee of sustainable and high-capacity raw water resources



Kekayaan sumber mineral strategik sebagai pemacu ekonomi baharu
Strategic mineral wealth as a new economic driver



Persekitaran kos yang kompetitif untuk menarik pelaburan dan aktiviti ekonomi
Competitive cost environment to attract investment and economic activity

2 Konsep Pembangunan Spatial Spatial Development Concept

Koridor Pertumbuhan Polisentrik Responsif Spatial (Spatial Responsive Polycentric Corridor Growth)



Development by Design

Pembangunan dirancang berdasarkan penemuan analisis DPSIR, spatial ekonomi dan kapasiti pelaburan
Development is planned based on the findings of DPSIR analysis, economic spatiality and investment capacity



Structured Growth

Pembangunan distrukturkan berdasarkan hierarki bandar dan koridor berfungsi
Development is structured based on urban hierarchy and functional corridors



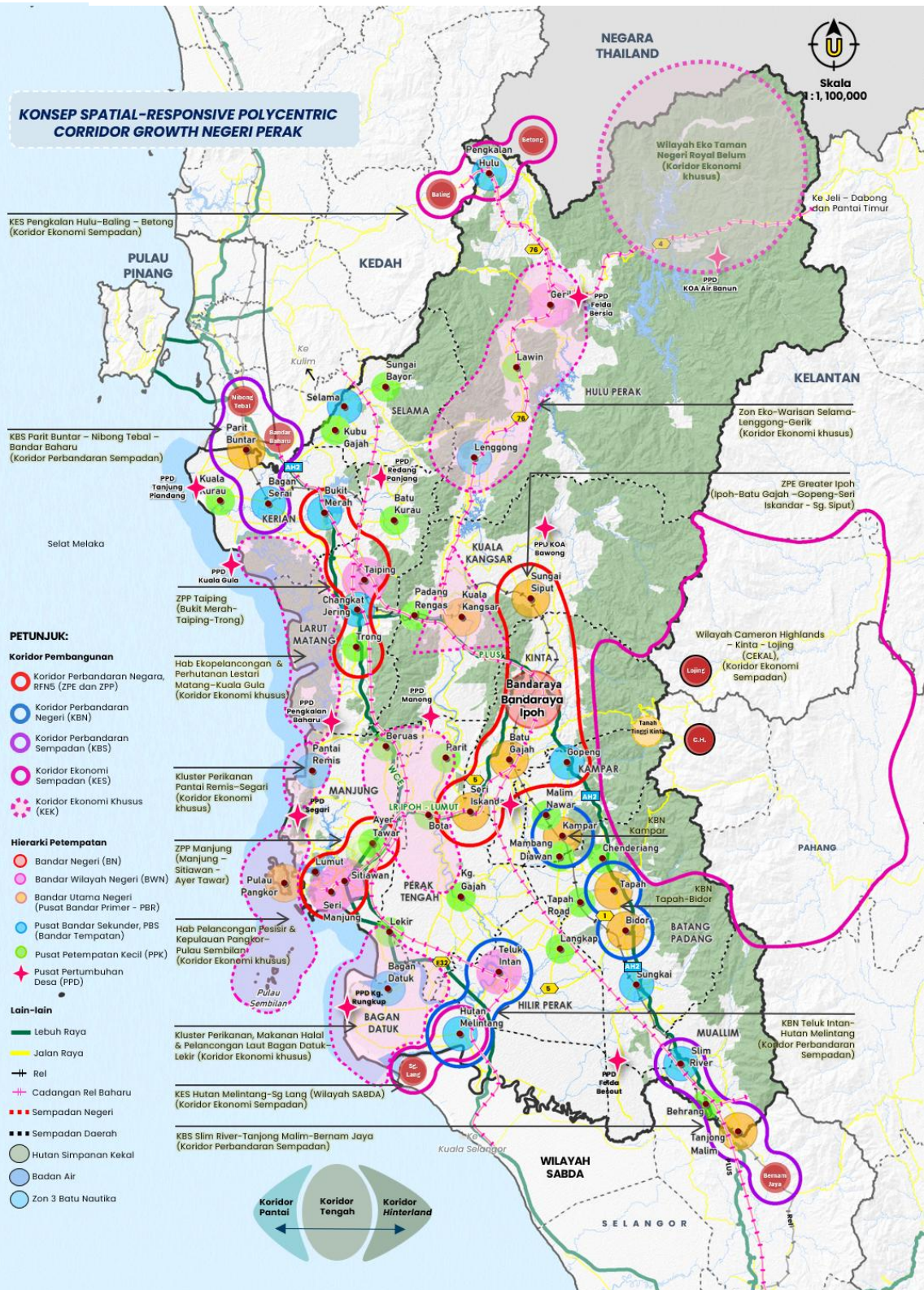
Growth within Limits

Pembangunan dihadkan oleh had ekologi dan kawalan pembangunan
*Growth within Limits
Development is limited by ecological limits and development controls*

Konsep Pembangunan Negeri

State Development Concept

KONSEP SPATIAL-RESPONSIVE POLYCENTRIC CORRIDOR GROWTH NEGERI PERAK



GAMBAR RAJAH UTAMA

MAIN DIAGRAM

Gambar Rajah Utama Negeri Perak 2040 berfungsi sebagai pernyataan spatial statutori negeri yang menggambarkan hala tuju pembangunan spatial sehingga tahun 2040. Rajah ini menjadi rujukan utama dalam perancangan, kawalan pembangunan, penyediaan infrastruktur serta penentuan pelaburan strategik bagi memastikan pembangunan negeri dilaksanakan secara terancang, bersepadu dan mampan.

The Perak State 2040 Main Diagram functions as the state's statutory spatial statement that depicts the direction of spatial development until 2040. This diagram serves as the main reference in planning, development control, infrastructure provision and determining strategic investments to ensure that state development is implemented in a planned, integrated and sustainable manner.

PRINSIP PENDEKATAN APPROACH PRINCIPLES

Directing growth, containing sprawl – pertumbuhan diarah ke kawasan berkapasiti dan bersedia, manakala peluasan pembangunan tidak terkawal dihadkan

Directing growth, containing sprawl – growth is directed to areas with capacity and readiness, while uncontrolled development is limited

Penyelarasan hierarki petempatan dan fungsi bandar mengikut struktur wilayah

Coordination of settlement hierarchy and urban functions according to regional structure

Pembangunan berasaskan kapasiti tampung (*carrying capacity*) dengan mengambil kira keupayaan fizikal tanah, infrastruktur, risiko bencana dan sensitiviti alam sekitar

Development based on carrying capacity by taking into account the physical capabilities of the land, infrastructure, disaster risk and environmental sensitivity.

Perlindungan aset ekologi sebagai infrastruktur semula jadi negeri

Protection of ecological assets as the state's natural infrastructure

5 FUNGSI UTAMA MAIN FUNCTIONS



Panduan struktur petempatan, hierarki bandar dan agihan pembangunan negeri

Guide to settlement structure, urban hierarchy and state development distribution



Penentu had pembangunan bandar sehingga tahun 2040

Determining urban development limits until 2040



Mekanisme penapisan awal kesesuaian pembangunan dan pelaburan

Early screening mechanism for development and investment suitability



Panduan penyelarasan projek berimpak tinggi negeri dan nasional dengan struktur spatial negeri

Guidance on coordinating state and national high-impact projects with state spatial structures

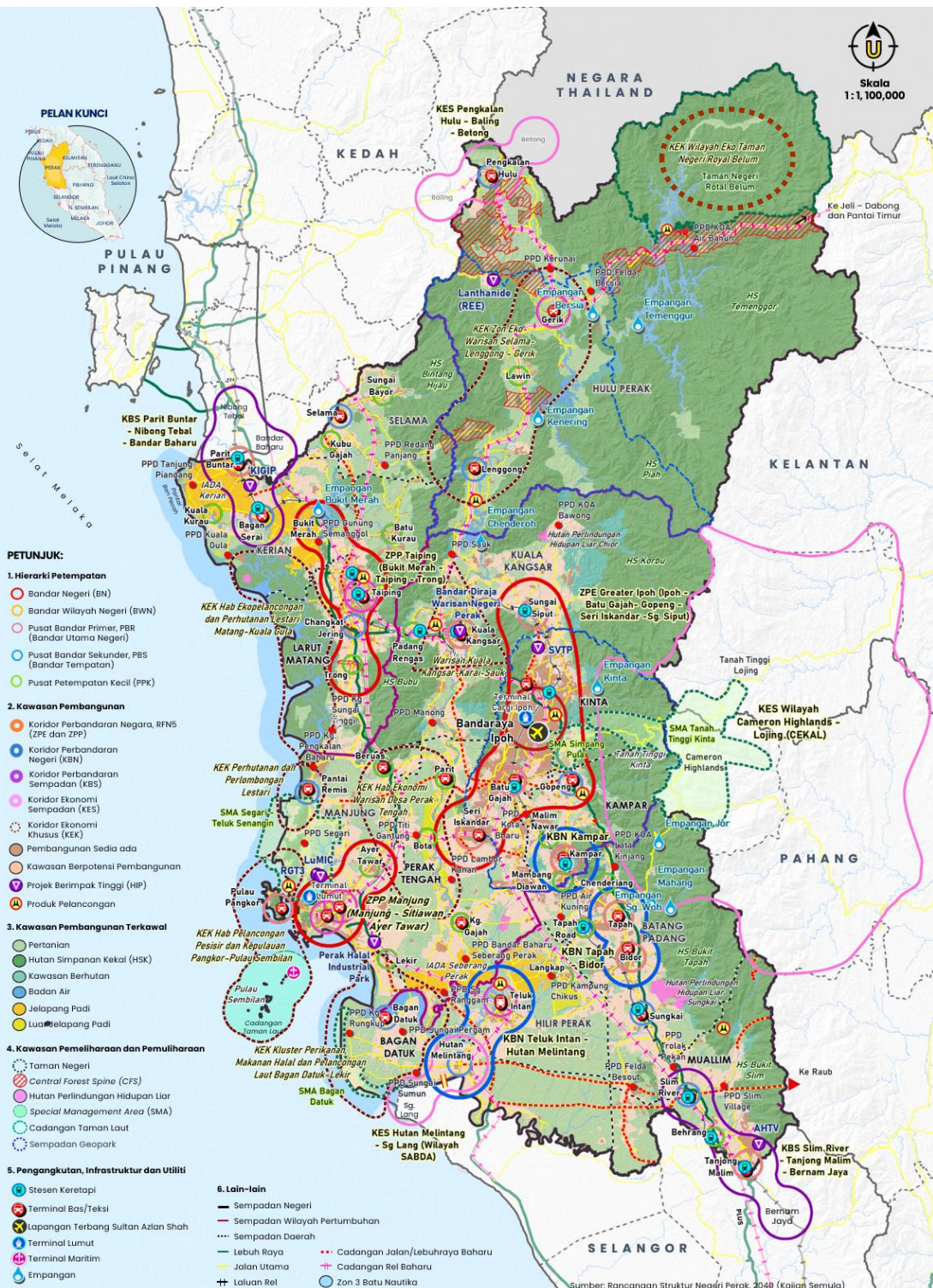


Rujukan utama kepada RT/RKK serta mekanisme kawalan pembangunan

Main references to RT/ RKK as well as development control mechanisms

Gambar Rajah Utama Negeri Perak 2040

Main Diagram of Perak 2040



WILAYAH PERTUMBUHAN NEGERI

STATE REGIONAL DEVELOPMENT

Wilayah Pembangunan Negeri Perak 2040 dibentuk sebagai kerangka spatial pembangunan yang mengintegrasikan pusat pertumbuhan, rangkaian infrastruktur, aktiviti ekonomi strategik serta kawasan pemeliharaan alam sekitar dalam satu sistem pembangunan yang saling melengkapi. Pendekatan wilayah ini bertujuan mengoptimumkan potensi setempat, mengurangkan ketidakseimbangan pembangunan antara kawasan, memperkukuh hubungan bandar-desa serta memastikan agihan pembangunan yang lebih seimbang, berdaya tahan dan mampan menjelang tahun 2040.

The Perak State Development Region 2040 is formed as a spatial development framework that integrates growth centres, infrastructure networks, strategic economic activities and environmental conservation areas into a complementary development system. This regional approach aims to optimise local potential, reduce development imbalances between areas, strengthen urban-rural relations and ensure a more balanced, resilient and sustainable development distribution by 2040.

Wilayah Greater Ipoh

Perak Prime (Perak Perdana)



Kinta
Kuala Kangsar
Perak Tengah Kampar
Manjung

- Pemacu utama ekonomi negeri berasaskan perkhidmatan bernilai tinggi, inovasi, dan ekonomi pengetahuan dan kesihatan
The main drivers of the state's economy are based on high-value services, innovation, and the knowledge and health economy.
- Pusat perbandaran polisentrik yang menyokong pertumbuhan seimbang dan berdaya tahan dan berintensiti tinggi.
Polycentric urban centers that support balanced, resilient, and high-intensity growth.

Wilayah Perak Utara

AgroNexus Perak



Larut Matang
Selama
Kerian

- Hab agroindustri moden dan keterjaminan makanan negeri
Hub of modern agro-industry and food security of the state
- Nod ekonomi sempadan berorientasikan industri sokongan dan PMKS
Border economic nodes oriented towards supporting industries and PMKS
- Pemangkin integrasi ekonomi Wilayah Utara Semenanjung
Catalyst for economic integration of the Northern Peninsula Region

Wilayah Perak Selatan

Southern Axis Perak (Paksi Selatan Perak)



Batang Padang
Muallim
Hilir Perak
Bagan Datuk

- Koridor pertumbuhan strategik selatan sebagai zon limpahan pelaburan Lembah Klang
Southern strategic growth corridor as Klang Valley investment spillover zone
- Pemacu Auto Valley Negeri Perak dan industri sokongan automotif bernilai tambah
Perak State Auto Valley driver and added value automotive support industry
- Hab pengeluaran dan pemprosesan agromakanan serta perikanan bersepadu
Integrated agro-food and fisheries production and processing hub

Wilayah Hulu Perak

EcoHeritage Perak (Eko Warisan Perak)



Hulu Perak

- Hinterland strategik ekologi, warisan dan keselamatan sumber negeri
Strategic hinterland of ecology, heritage and state resource security
- Gerbang masuk negara dan perhubungan rentas sempadan
National gateway and cross-border connections
- Peneraju ekopelancongan warisan, perhutanan mampan dan perlombongan bertanggungjawab
A leader in heritage ecotourism, sustainable forestry and responsible mining

Wilayah Pertumbuhan Negeri

State Regional Development



PELAN POTENSI PELABURAN

POTENTIAL INVESTMENT PLAN

Spatial Ekonomi Negeri Perak 2040 dibentuk berasaskan kapasiti sebenar wilayah untuk menerima dan menyokong pelaburan melalui penilaian berwajaran yang mengambil kira aksesibiliti dan infrastruktur, struktur ekonomi dan tenaga kerja, keserasian spatial serta sensitiviti fizikal dan alam sekitar.

The Perak State Economic Spatial 2040 is formed based on the region's actual capacity to receive and support investment through a weighted assessment that takes into account accessibility and infrastructure, economic structure and workforce, spatial compatibility as well as physical and environmental sensitivity.

TAHAP POTENSI PELABURAN POTENTIAL INVESTMENT LEVEL



TAHAP 1 | POTENSI TINGGI LEVEL 1 | HIGH POTENTIAL

Kawasan yang mempunyai kesediaan pembangunan tertinggi meliputi aspek aksesibiliti, infrastruktur, ekonomi dan guna tanah untuk menerima pelaburan berskala besar serta bernilai tambah tinggi. Kawasan ini menjadi tumpuan utama pertumbuhan negeri dengan keutamaan kepada pembangunan industri berteknologi tinggi, kluster strategik serta penyediaan infrastruktur dan utiliti.

The area has the highest development readiness in terms of accessibility, infrastructure, economy and land use to receive large-scale investments and high added value. This area is the main focus of the state's growth with priority given to the development of high-tech industries, strategic clusters and the provision of infrastructure and utilities.



TAHAP 2 | POTENSI SEDERHANA LEVEL 2 | MEDIUM POTENTIAL

Kawasan yang mempunyai kapasiti pembangunan yang baik tetapi memerlukan penambahbaikan infrastruktur, utiliti atau penyelarasan guna tanah bagi meningkatkan daya tarikan pelaburan. Kawasan ini berperanan sebagai zon sokongan dan limpahan pertumbuhan kepada kawasan Potensi Tinggi melalui pembangunan secara berfasa.

Areas that have good development capacity but require infrastructure, utility or land use adjustments to increase investment attractiveness. These areas act as support zones and growth spillovers to High Potential areas through phased development.



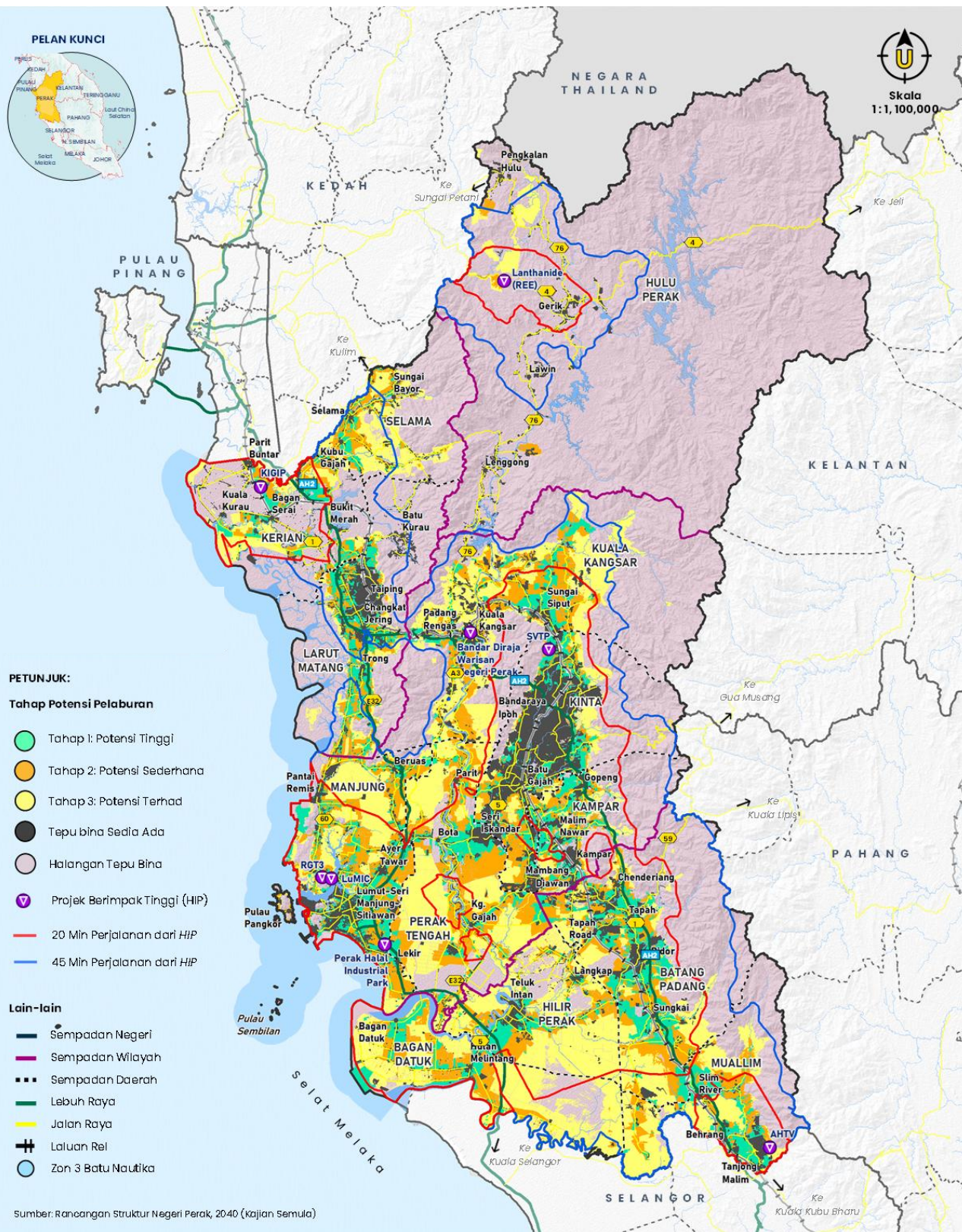
TAHAP 3 | POTENSI TERHAD LEVEL 3 | LIMITED POTENTIAL

Kawasan yang mempunyai kekangan fizikal, sensitiviti alam sekitar atau kapasiti ekonomi yang mengehadkan pembangunan intensif. Pembangunan lebih tertumpu kepada aktiviti berskala kecil dan mampan seperti agro bernilai tinggi, pelancongan berimpak rendah serta ekonomi tempatan dengan penekanan kepada pemeliharaan sumber dan keseimbangan wilayah.

Areas with physical constraints, environmental sensitivity or economic capacity that limit intensive development. Development is more focused on small-scale and sustainable activities such as high-value agro, low-impact tourism and local economies with an emphasis on resource conservation and regional balance.

Pelan Spatial Ekonomi Berdasarkan Potensi Pelaburan

Economic Spatial Plan Based on Investment Potential



TERAS 1 *THRUST 1*

PEMBANGUNAN INKLUSIF DAN BERDAYA TAHAN

INCLUSIVE AND RESILIENT DEVELOPMENT



Teras 1 menstruktur semula pembangunan Negeri Perak melalui pengukuhan jaringan wilayah dan pengagihan pembangunan yang seimbang bagi mewujudkan struktur spatial negeri yang lebih inklusif, berdaya tahan dan kompetitif.

Thrust 1 restructures the development of Perak State by strengthening regional linkages and promoting a balanced distribution of development to create a more inclusive, resilient and competitive spatial structure for the state.

TERAS 1

THRUST 1

6 **Dasar Strategik**
Strategic Policies

20 **Strategi Pelaksanaan**
Implementation Strategies

79 **Inisiatif Pelaksanaan**
Implementation Initiatives

FOKUS UTAMA TERAS 1

THRUST 1 KEY FOCUS AREAS

RSA1



Pengukuhan hubungan antarabangsa dan rentas negeri

Strengthening international and inter-state linkages

RSA2



Pembangunan desa lestari dan pemerdayaan komuniti

Sustainable rural development and community empowerment

RSA3



Pemeriksaan jaringan dan perkhidmatan pengangkutan

Strengthening transport connectivity and service provision

RSA4



Pengukuhan Kemampuan Gerbang Maritim, Udara Dan Rangkaian Logistik Bersepadu

Strengthening the Capacity of Maritime and Air Gateways and Integrated Logistics Networks

RSA5



Pengurusan sumber air dan pembetungan secara lestari

Sustainable rural development and community empowerment

RSA6



Pemantapan jaminan bekalan tenaga dan pembangunan sumber tenaga boleh baharu

Enhancing energy supply security and renewable energy development

RSA1

MEMPERKUKUH STRUKTUR WILAYAH DAN KORIDOR PERTUMBUHAN NEGERI PERAK YANG BERSEPADU, BERDAYA SAING DAN SALING MELENGKAPI

3
SP

16
IP

STRENGTHENING AN INTEGRATED, COMPETITIVE AND COMPLEMENTARY REGIONAL STRUCTURE AND GROWTH CORRIDORS

STRATEGI PELAKSANAAN (SP)

IMPLEMENTATION STRATEGIES

1.1

Memperkukuh struktur wilayah pembangunan negeri berasaskan fungsi wilayah yang seimbang dan saling melengkapi

Strengthening the state's regional structure based on balanced and complementary regional functions

1.2

Memantapkan hubungan antarabangsa dan rentas negeri bagi mengukuhkan kedudukan negeri dalam jaringan ekonomi serantau

Strengthening international and inter-state linkages to reinforce state's position in the regional economic network

INISIATIF PELAKSANAAN (IP)

IMPLEMENTATION INITIATIVES

1.1.1

Memperkukuh Wilayah Greater Ipoh (Perak Perdana) sebagai wilayah metropolitan ekonomi pengetahuan dan perkhidmatan bernilai tinggi

Strengthening Greater Ipoh Region (Perak Prime) as metropolitan region with high-value knowledge and service economy

1.1.2

Memposisikan Wilayah Perak Utara (AgroNexus Perak) sebagai wilayah agroindustri moden dan ekonomi makanan negeri

Positioning the Perak AgroNexus Region as a modern agro-industry region and the state's food economy

1.1.3

Memperkukuh Wilayah Perak Selatan (Paksi Selatan Perak) sebagai koridor automotif, logistik dan ekonomi maritim negeri

Strengthening Southern Perak Region (Southern Axis Perak) as state automotive, logistic and economy maritime corridors

1.1.4

Mengaktifkan Wilayah Hulu Perak (Eko Warisan Perak), pelancongan lestari dan keselamatan sumber negeri

Activating Upper Perak Region as (Eco Heritage Perak), sustainable tourism and state resource security

1.1.5

Menyelaras Pembangunan Wilayah Negeri dengan Fungsi Ekonomi, Sumber Strategik dan Sistem Spatial Negeri

Coordinate state territorial development with economic functions, strategic resources and state spatial systems

1.2.1

Memperkasa Pembangunan Koridor Ekonomi Sempadan (KES) Pengkalan Hulu- Baling- Betong Sebagai Zon Kerjasama Ekonomi Strategik Perak-Kedah- Thailand

Strengthening the Development of the Pengkalan Hulu- Baling- Betong Border Economic Corridor (KES) as Perak- Kedah- Thailand Strategic Economic Cooperation Zone

1.2.2

Memperkukuh Integrasi Darat-maritim bagi Memposisikan Negeri Perak Sebagai Nod Perdagangan Antarabangsa Dalam Rangka IMT-GT dan Selat Melaka

Strengthening Land-Maritime Integration to Position Perak as an International Trade Node within the IMT-GT and Straits of Malacca Framework

1.2.3

Memperkukuh Jaringan Ekonomi, Perdagangan dan Modal Insan Antarabangsa Berasaskan Kluster Strategik Negeri

Strengthening International Economic, Trade and Human Capital Networks Based on State Strategic Clusters

1.2.4

Memperkukuh Kerjasama Pembangunan Rentas Negeri Melalui PEKA, CEKAL dan Platform Kejasama

Strengthening Cross-State Development Cooperation Through PEKA, CEKAL and Other Cooperation Platforms

1.2.5

Memperkukuh Peranan JawatankuasaPerancang Wilayah (JPW) Sebagai Mekanisme Tadbir Urus Pembangunan Wilayah Rentas Sempadan

Strengthening the Role of Regional Planning Committees (RPCs) as a Governance Mechanism for Cross-Border Regional Development

RSA1

MEMPERKUKUH STRUKTUR WILAYAH DAN KORIDOR PERTUMBUHAN NEGERI PERAK YANG BERSEPADU, BERDAYA SAING DAN SALING MELENGKAPI *STRENGTHENING AN INTEGRATED, COMPETITIVE AND COMPLEMENTARY REGIONAL STRUCTURE AND GROWTH CORRIDORS*

STRATEGI PELAKSANAAN (SP) *IMPLEMENTATION STRATEGIES*

1.3

Membentuk Koridor
Pembangunan
Perbandaran, Ekonomi
dan Sempadan Sebagai
Rangka Spatial
Pertumbuhan Negeri

*Establishing urban, economic
and border development
corridors as the spatial
framework for the state's
growth*

INISIATIF PELAKSANAAN (IP) *IMPLEMENTATION INITIATIVES*

1.3.1

Menetapkan Koridor Perbandaran Negara dan Koridor Perbandaran Negeri Sebagai Rangka Utama Pembangunan Spatial Negeri

Establishing National Municipal Corridors and State Municipal Corridors as the Main Framework for State Spatial Development

1.3.2

Memperkasa Koridor Perbandaran Sempadan (KBS) dan Koridor Ekonomi Sempadan (KES) Sebagai Pemangkin Pertumbuhan Wilayah dan Integrasi Ekonomi Rentas Sempadan

Strengthening Border Municipal Corridors and Border Economic Corridors as Catalysts for Regional Growth and Cross-Border Economic Integration

1.3.3

Membangunkan Koridor Ekonomi Khusus (KEK) berasaskan eko-warisan, pelancongan, agro dan pembangunan desa secara mampan bagi memperkukuh ekonomi wilayah dan komuniti setempat

Developing Special Economic Corridors based on eco-heritage, tourism, agro and sustainable rural development to strengthen regional economies and local communities

1.3.4

Memusatkan pembangunan berimpak tinggi, nod logistik, utiliti strategik dan pelaburan utama di sepanjang koridor pembangunan negeri

Centralize high-impact development, logistics nodes, strategic utilities and major investments along the state's development corridors

1.3.5

Menjamin hubungan efisien antara koridor pembangunan dengan bandar, desa dan pusat pertumbuhan utama negeri

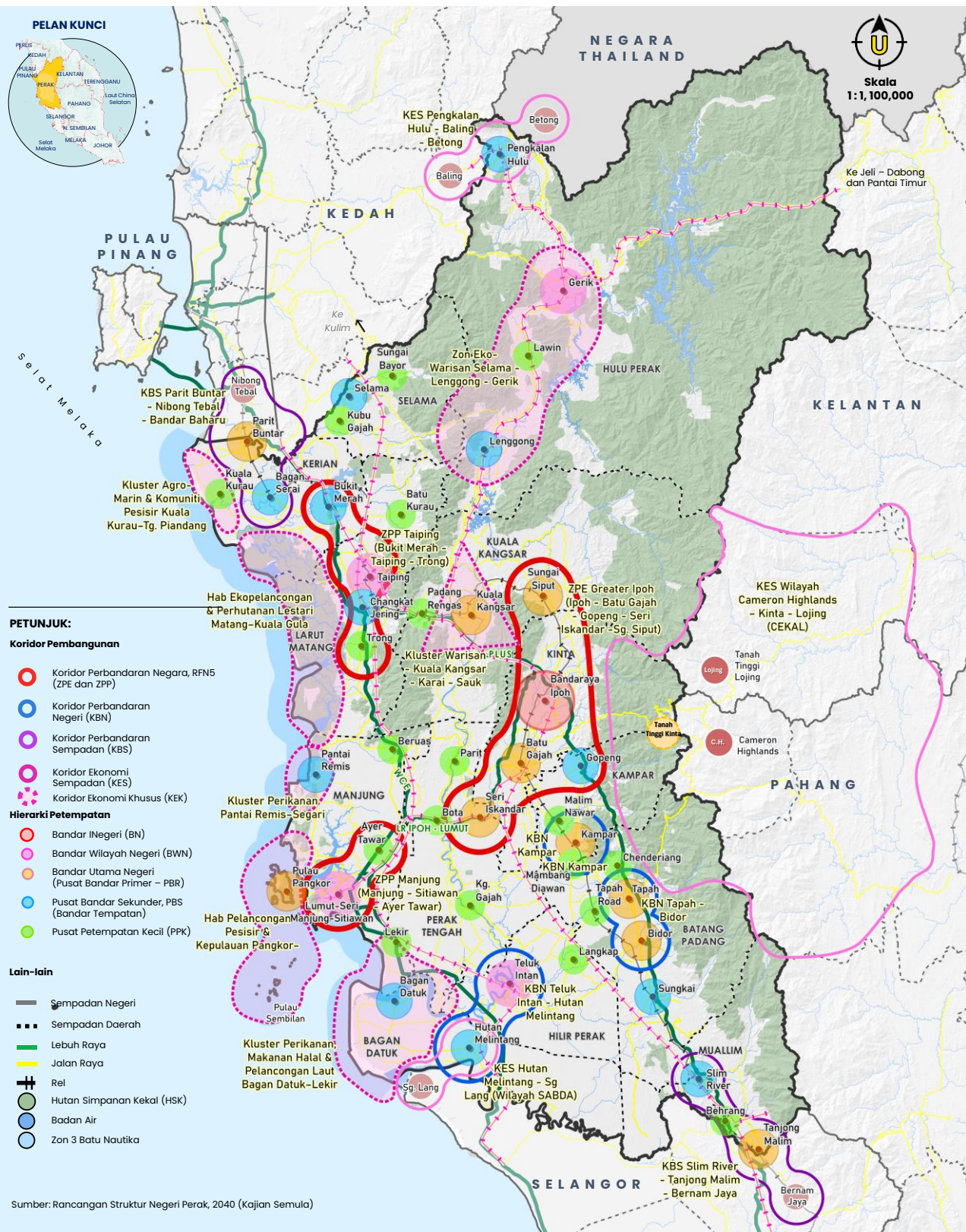
Ensuring efficient connections between development corridors and cities, villages and the main growth centers of the state

1.3.6

Melaksanakan pembangunan koridor tempatan peringkat daerah selaras dengan Rancangan Tempatan (RT) dan fungsi ekonomi wilayah

Implement the development of local corridors at the district level in line with the Local Plan (RT) and regional economic functions

Koridor Pertumbuhan Negeri Perak
Development Corridor of Perak



Sumber: Rancangan Struktur Negeri Perak, 2040 (Kajian Semula)

RSA2 MEMPERKUKUH SISTEM HIERARKI PETEMPATAN NEGERI YANG SEIMBANG, BERDAYA SAING DAN INKLUSIF

5 SP

20 IP

STRENGTHENING THE STATE SETTLEMENT HIERARCHY THAT IS BALANCED, COMPETITIVE AND INCLUSIVE

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES	INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES
2.1 Memperkuh sistem petempatan negeri secara berhierarki dan saling melengkapi Strengthening the state settlement system in a hierarchical and complementary manner	2.1.1 Memperkuh Bandaraya Ipoh sebagai Bandar Ibu Negeri dan metropolitan utama Strengthening Ipoh City as the State Capital and major metropolitan city
	2.1.2 Menguatkan Bandar Wilayah Negeri (BWN) sebagai pusat pertumbuhan wilayah dan pusat perkhidmatan strategik negeri Strengthening State Regional Cities as regional growth centers and strategic state service centers
	2.1.3 Memperkasa Bandar Utama Negeri (Pusat Bandar Primer – PBR) sebagai bandar sokongan koridor pembangunan wilayah dan pusat pertumbuhan ekonomi negeri Strengthening the State's Main Town (Primary Town Center) as a supporting city for regional development corridors and a center for state economic growth
	2.1.4 Memperkuh bandar tempatan sebagai pusat perkhidmatan dan sokongan ekonomi tempatan Strengthening local cities as service centers and local economic support
	2.1.5 Memperkuh pusat petempatan kecil Strengthening small settlement centers
2.2 Memperkuh Sistem Hierarki Petempatan Negeri yang Seimbang, Berdaya Saing dan Inklusif Strengthening a Balanced, Competitive and Inclusive State Settlement Hierarchy System	2.2.1 Memperkuh sistem petempatan negeri secara berhierarki dan saling melengkapi Strengthening the state settlement system in a hierarchical and complementary manner
	2.2.2 Melaksanakan regenerasi bandar bagi mengoptimumkan kawasan tepubina, brownfield dan greyfield secara bersepadu Implementing urban regeneration to optimize built-up areas, brownfields and greyfields in an integrated manner
	2.2.3 Mengarusperdanakan tanah rizab melayu secara produktif bagi memperkuh ekonomi dan petempatan komuniti melayu Mainstreaming Malay Reserve Land productively to strengthen the economy and settlement of the Malay community
	2.2.4 Memperkasa pembangunan komuniti orang asli secara inklusif Empowering inclusive development of indigenous communities
	2.2.5 Memperkuh hubungan bandar–desa dan kesejahteraan petempatan secara bersepadu Strengthening urban-rural relations and settlement well-being in an integrated manner

RSA2

MEMPERKUKUH SISTEM HIERARKI PETEMPATAN NEGERI YANG SEIMBANG, BERDAYA SAING DAN INKLUSIF

STRENGTHENING THE STATE SETTLEMENT HIERARCHY THAT IS BALANCED, COMPETITIVE AND INCLUSIVE

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

2.3

Membentuk Koridor Pembangunan Perbandaran, Ekonomi dan Sempadan Sebagai Rangka Spatial Pertumbuhan Negeri

Establishing urban, economic and border development corridors as the spatial framework for the state's growth

2.4

Memperkasa Pembangunan Komuniti Orang Asli Secara Inklusif

Empowering Indigenous Community Development Inclusively

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

2.3.1

Mewujudkan inventori digital dan pemetaan spatial Tanah Rizab Melayu bersepadu merangkumi status pemilikan, keluasan, guna tanah, potensi ekonomi, tahap aksesibiliti dan sekatan pembangunan sebagai asas perancangan, pemantauan dan pembuatan keputusan

Creating an integrated digital inventory and spatial mapping of Malay Reserve Land covering ownership status, area, land use, economic potential, accessibility level and development restrictions as a basis for planning, monitoring and decision-making

2.3.2

Menguatkan perancangan, pengurusan dan perlindungan Tanah Rizab Melayu melalui penyelarasan guna tanah, pewujudan zon pembangunan khas, kawalan pembangunan mampan, garis panduan pembangunan serta mekanisme perlindungan dan penggantian tanah rizab secara setara

Strengthen the planning, management and protection of Malay Reserve Land through land use coordination, the creation of special development zones, sustainable development control, development guidelines and mechanisms for the protection and replacement of reserve land on an equal basis

2.3.3

Mengaktifkan pembangunan ekonomi Tanah Rizab Melayu secara produktif melalui pembangunan kluster ekonomi, projek pemangkin, pertanian moden, PMKS, ekonomi digital, pelancongan komuniti dan integrasi rantaian nilai tempatan

Activate the productive economic development of Malay Reserve Land through the development of economic clusters, catalytic projects, modern agriculture, SMEs, digital economy, community tourism and integration of local value chains

2.3.4

Memperkasa komuniti dan petempatan Melayu di kawasan Tanah Rizab Melayu melalui pembangunan perumahan, peningkatan kemudahan dan infrastruktur, program keusahawanan, literasi tanah, khidmat nasihat teknikal serta akses kepada pembiayaan dan pasaran

Empowering Malay communities and settlements in the Malay Reserve Land area through housing development, improving facilities and infrastructure, entrepreneurship programs, land literacy, technical advisory services and access to financing and markets

2.4.1

Menjamin keselamatan tanah dan petempatan Orang Asli melalui pengukuhan pemetaan spatial, pewartaan kawasan petempatan dan perlindungan kawasan sensitif komuniti secara berperingkat dengan keutamaan kepada kawasan kritikal.

Guarantee the security of Orang Asli land and settlements through strengthening spatial mapping, gazetting of settlement areas and protection of community-sensitive areas in stages with priority given to critical areas.

2.4.2

Menambah baik akses kepada kemudahan asas, utiliti, pendidikan, kesihatan, mobiliti dan capaian digital bagi meningkatkan kesejahteraan komuniti Orang Asli

Improve access to basic amenities, utilities, education, health, mobility and digital access to enhance the well-being of Orang Asli communities

2.4.3

Memperkasa ekonomi komuniti Orang Asli melalui aktiviti agromakanan, hasil hutan bukan kayu, ekopelancongan komuniti, kraftangan dan perusahaan tempatan berasaskan sumber setempat

Empowering the economy of Orang Asli communities through agro-food activities, non-timber forest products, community ecotourism, handicrafts and local enterprises based on local resources

2.4.4

Memelihara identiti budaya, landskap warisan dan pengetahuan tradisional komuniti Orang Asli sebagai aset warisan negeri

Preserving the cultural identity, heritage landscapes and traditional knowledge of the Orang Asli community as state heritage assets

RSA3 MEMPERKASA JARINGAN DAN PERKHIDMATAN PENGANGKUTAN

3 SP
15 IP

STRENGTHENING TRANSPORTATION NETWORK AND SERVICES

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

3.1

Penguatan Jaringan Jalan Raya Bagi Meningkatkan Kemudahan di Peringkat Wilayah dan Negeri

Strengthening the Road Network to Improve Accessibility at the Regional and State Levels

3.2

Menyelaras Pembinaan Rangkaian Pengangkutan Rel Bagi Penguatan Ketersambungan Negeri

Coordinating the Construction of Rail Transport Networks to Strengthen State Connectivity

3.3

Memperkasa dan Menyeragam Mutu Perkhidmatan Pengangkutan Awam Darat

Strengthening and Standardizing the Quality of Land Public Transport Services

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

3.1.1

Membina lebuh raya baharu dengan mengutamakan penggunaan tanah kerajaan bagi meminimumkan keperluan pengambilan tanah.

Build new highways by prioritizing the use of government land to minimize the need for land acquisition.

3.1.2

Membina jalan dan persimpangan baharu dengan mengutamakan penggunaan tanah kerajaan bagi meminimumkan keperluan pengambilan tanah.

Build new roads and intersections by prioritizing the use of government land to minimize the need for land acquisition.

3.1.3

Mentransformasi infrastruktur jalan perhubungan desa melalui integrasi reka bentuk geometri jalan yang selamat dan penggunaan sistem pencahayaan pintar.

Transforming rural road infrastructure through the integration of safe road geometric design and the use of smart lighting systems.

3.2.1

Menambah baik perkhidmatan tren Shuttle KTM Komuter di koridor selatan dari Tanjung Malim ke Bandaraya Ipoh serta kawasan sekitarnya, melibatkan stesen Tanjung Malim, Slim River, Sungkai, Tapah Road, Kampar dan Batu Gajah.

Improving KTM Komuter Shuttle train services on the southern corridor from Tanjung Malim to Ipoh City and surrounding areas, involving Tanjung Malim, Slim River, Sungkai, Tapah Road, Kampar and Batu Gajah stations.

3.2.2

Menjalankan kajian kemungkinan bagi cadangan jajaran rel dan stesen baharu dengan mengutamakan penggunaan tanah kerajaan bagi meminimumkan keperluan pengambilan tanah.

Carry out feasibility studies for proposed rail alignments and new stations by prioritizing the use of government land to minimize the need for land acquisition.

3.3.1

Menyelaras pembangunan projek Ipoh Sentral sebagai hab pengangkutan moden dan pusat pembangunan berorientasikan transit (*Transit Oriented Development, TOD*).

Coordinate the development of the Ipoh Sentral project as a modern transportation hub and transit-oriented development center (TOD).

3.3.2

Mentransformasikan perkhidmatan bas henti-henti melalui perluasan liputan perkhidmatan secara menyeluruh ke setiap daerah.

Transforming the one-stop bus service through the comprehensive expansion of service coverage to every district.

3.3.3

Menyediakan lorong khas bagi laluan bas dan teksi

Provide special lanes for buses and taxis

3.3.4

Membangunkan hab pengangkutan awam bersepadu (stesen dan hentian) yang dilengkapi dengan prasarana sokongan

Develop integrated public transport hubs (stations and stops) equipped with supporting infrastructure

3.3.5

Memperkasa peranan Pihak Berkuasa Tempatan (PBT) dalam pengurusan hab pengangkutan awam, termasuk stesen dan hentian di setiap daerah.

Strengthen the role of Local Authorities (PBT) in the management of public transport hubs, including stations and stops in each district.

RSA4 Menguukuh Kemampuan Gerbang Maritim, Udara dan Rangkaian Logistik Bersepadu

2 SP 8 IP

STRENGTHENING THE CAPABILITIES OF MARITIME, AIR GATEWAYS AND INTEGRATED LOGISTICS NETWORKS

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

4.1

Memperkasa Terminal Maritim dan Integrasi Rangkaian Logistik Negeri Perak

Strengthening Maritime Terminals and Integration of Perak State Logistics Network

4.2

Menguukuhkan Pintu Masuk Antarabangsa Negeri Perak bagi Meningkatkan Kecekapan Logistik dan Pergerakan Penumpang

Strengthening Perak State International Gateway to Improve Logistics Efficiency and Passenger Movement

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

4.1.1

Memperkukuh peranan Terminal Maritim Lumut sebagai hab utama kargo pukal dan mineral dengan penggunaan teknologi automasi bagi merangsang pertumbuhan ekonomi negeri.

Build new highways by prioritizing the use of government land to minimize the need for land acquisition.

4.1.2

Memperluas had terminal sedia ada bagi menyokong perkembangan industri marin.

Build new roads and intersections by prioritizing the use of government land to minimize the need for land acquisition.

4.1.3

Membina stesen kargo di Terminal Maritim Lumut bagi meningkatkan kecekapan pengendalian logistik.

Transforming rural road infrastructure through the integration of safe road geometric design and the use of smart lighting systems.

4.1.4

Meningkatkan promosi Terminal Maritim Lumut dan Terminal Feri Antarabangsa Hutan Melintang sebagai terminal “feeder” bertaraf antarabangsa.

Increase the promotion of the Lumut Maritime Terminal and Hutan Melintang International Ferry Terminal as international-class “feeder” terminals.

4.1.5

Menjalankan kajian kemungkinan bagi pembangunan hab logistik di Pengkalan Hulu.

Conducting a feasibility study for the development of a logistics hub in Pengkalan Hulu.

4.2.1

Menaik taraf infrastruktur Lapangan Terbang Sultan Azlan Shah bagi meningkatkan kapasiti pengendalian logistik dan pergerakan penumpang.

Upgrading the infrastructure of Sultan Azlan Shah Airport to increase logistics handling capacity and passenger movement.

4.2.2

Menaik taraf pintu masuk antarabangsa ke Negeri Perak

Upgrading international entry points to Perak State

4.2.3

Menjalankan kajian kemungkinan bagi menilai potensi pembangunan Lapangan Terbang Seri Iskandar sebagai hab kargo udara strategik.

Conduct a feasibility study to assess the potential for developing Seri Iskandar Airport as a strategic air cargo hub.

RSA5

MEMELIHARA DAN MENGURUS SUMBER AIR, PENGAIRAN SALIRAN, BEKALAN AIR TERAWAT DAN SISTEM PEMBENTUNGAN SECARA BERSEPADU DAN LESTARI

4

SP

14

IP

CONSERVING AND MANAGING WATER RESOURCES, DRAINAGE IRRIGATION, CONTROLLED WATER SUPPLY AND RESERVOIR SYSTEMS IN AN INTEGRATED AND SUSTAINABLE MANNER

STRATEGI PELAKSANAAN (SP)

IMPLEMENTATION STRATEGIES

5.1

Memperkasa, Memelihara dan Mengawal Selia Pengurusan Sumber Air bagi Menjamin Bekalan Air Bersih dan Mencukupi

Empowering, Preserving and Regulating Water Resources Management to Guarantee Clean and Sufficient Water Supply

5.2

Menyediakan Sistem Saliran Mesra Alam Bagi Mengurangkan Risiko Banjir

Providing an Eco-Friendly Drainage System to Reduce Flood Risk

5.3

Menyediakan Sistem Bekalan Air Terawat bagi Memenuhi Permintaan Secara Menyeluruh

Strengthening and Standardizing the Quality of Land Public Transport Services

INISIATIF PELAKSANAAN (IP)

IMPLEMENTATION INITIATIVES

5.1.1

Memperkasa tadbir urus LPSA dalam pelesenan pengambilan air, pengawalan kualiti air, pemantauan projek dan penguatkuasaan

Strengthen LPSA governance in water intake licensing, water quality control, project monitoring and enforcement

5.1.2

Melaksana projek Skim Pemindahan Air Sungai Perak yang memindahkan air mentah ke Empangan Bukit Merah

Implementing the Perak River Water Transfer Scheme project which transfers raw water to the Bukit Merah Dam

5.1.3

Menjalankan Kajian Sumber Air Negeri Perak

Conducting a Study on Perak State Water Resources

5.2.1

Menyiapkan Kajian Pengurusan Lembangan Sungai Bersepadu (Integrated River Basin Management, IRBM)

Completing the Integrated River Basin Management (IRBM) Study

5.2.2

Menyediakan Pelan Induk Saliran Mesra Alam (PISMA)

Preparing an Environmentally Friendly Drainage Master Plan (PISMA)

5.2.3

Menyiapkan Rancangan Tebatan Banjir (RTB) bagi mengurangkan risiko banjir

Prepare a Flood Mitigation Plan (RTB) to reduce flood risk

5.2.4

Mewartakan koridor lembangan sungai sebagai zon perlindungan bagi mengawal pembangunan dan pengurusan lembangan sungai yang lebih berkesan.

Gazette river basin corridors as protection zones to control development and more effective management of river basins.

5.3.1

Meningkatkan kapasiti loji rawatan air

Increasing water treatment plant capacity

5.3.2

Melaksanakan program pengurangan kadar kehilangan air tidak berhasil (non-revenue water, NRW) melalui penggantian paip, pemantauan pintar dan pengurusan tekanan sistem.

Implement a program to reduce non-revenue water (NRW) losses through pipe replacement, smart monitoring and system pressure management.

5.3.3

Menggalakkan penggunaan air secara cekap melalui kesedaran pengguna, teknologi penjimatan dan pengurusan permintaan.

Promote efficient water use through consumer awareness, saving technologies and demand management.

RSA6

MENJAMIN BEKALAN TENAGA YANG MENCUKUPI, BERDAYA TAHAN DAN MAMPAN

ENSURING ADEQUATE, RELIABLE AND SUSTAINABLE ENERGY SUPPLY

3
SP

7
IP

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

6.1

Meningkatkan Keberkesanan Sistem Bekalan Elektrik Bagi Memastikan Penggunaan yang Efisien

Improving the Effectiveness of the Electricity Supply System to Ensure Efficient Use

6.2

Meluaskan Liputan Bekalan Gas Asli Berpaip untuk Menyokong Pembangunan

Expanding Piped Natural Gas Supply Coverage to Support Development

6.3

Menggalakkan Pembangunan Sumber Tenaga Boleh Baharu (TBB) dan Tenaga Alternatif Bagi Mengurangkan Emisi yang Dihasilkan

Promoting the Development of Renewable Energy Sources (RES) and Alternative Energy to Reduce Emissions

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

6.1.1

Merancang dan meningkatkan Grid Nasional dan Grid Negeri dengan membina Pencawang Masuk Utama (PMU) baharu, menaiktaraf PMU sedia ada, membangunkan sistem penghantaran voltan tinggi dan sistem agihan baharu bagi menyokong pertumbuhan pembangunan masa hadapan.
Planning and improving the National Grid and State Grid by building new Main Input Substations (PMUs), upgrading existing PMUs, developing high voltage transmission systems and new distribution systems to support future development growth.

6.1.2

Melaksanakan program kecekapan tenaga seperti program pengurusan cekap tenaga, insentif bangunan hijau dan galakan penggunaan peralatan cekap tenaga.
Implement energy efficiency programs such as energy efficient management programs, green building incentives and encouraging the use of energy efficient equipment.

6.2.1

Meningkatkan liputan rangkaian bekalan gas asli berpaip tekanan sederhana dan rendah bagi menyokong pembangunan industri dan ekonomi.
Increase the coverage of medium and low pressure piped natural gas supply networks to support industrial and economic development.

6.2.2

Meningkatkan kapasiti bekalan gas asli melalui pelaksanaan projek Terminal Regasifikasi 3 (RGT3)
Increasing natural gas supply capacity through the implementation of the Regasification Terminal 3 (RGT3) project

6.3.1

Menyediakan Pelan Induk Tenaga Boleh Baharu dan Tenaga Alternatif Negeri Perak yang merangkumi tenaga solar, biojisim, nuklear, hidrogen hijau, angin dan geothermal serta penggunaan teknologi tenaga terkini seperti battery energy storage systems.
Providing a Perak State Renewable and Alternative Energy Master Plan which includes solar, biomass, nuclear, green hydrogen, wind and geothermal energy as well as the use of the latest energy technologies such as battery energy storage systems.

6.3.2

Menaik taraf kapasiti stesen janakuasa hidro sedia ada
Upgrading the capacity of existing hydropower stations

6.3.3

Membangunkan infrastruktur tenaga baharu seperti hidrogen hijau, pengecasan kenderaan elektrik (EV) dan sistem mikrogrid bagi menyokong peralihan tenaga rendah karbon dan pelaburan masa hadapan.
Developing new energy infrastructure such as green hydrogen, electric vehicle (EV) charging and microgrid systems to support the low-carbon energy transition and future investments.

TERAS 2 THRUST 2

REGENERASI PEMACU EKONOMI

Economic Growth Regeneration



Teras 2 memfokuskan transformasi ekonomi Negeri Perak ke arah ekonomi bernilai tinggi, inovatif, berteknologi dan berdaya saing bagi memperkukuh pertumbuhan mampan sehingga tahun 2040.

Thrust focuses on transforming Perak's economy towards a high-value, innovative, technology-driven and competitive economy to strengthen sustainable growth by 2040.

TERAS 2

THRUST 2

8 Dasar Strategik
Strategic Policies

24 Strategi Pelaksanaan
Implementation Strategies

111 Inisiatif Pelaksanaan
Implementation Initiatives

FOKUS UTAMA TERAS 2

THRUST 2 KEY FOCUS AREAS

RSA7

Pengukuhan Ekonomi Berasaskan Kekuatan Sumber Negeri



Strengthening the economy based on the state's resource advantages

RSA8

Pembangunan ekonomi baharu berasaskan inovasi, teknologi dan nilai tambah tinggi



Development of a new economy driven by innovation, technology and high value-added activities

RSA9

Pemantapan kluster pelancongan beridentiti dan berkualiti



Enhancing distinctive and high-quality tourism clusters

RSA10

Pengaktifan warisan sebagai pemacu identiti dan ekonomi



Activating heritage assets as drivers of identity and economic growth

RSA11

Pemodernan sektor agromakanan dan pengukuhan sekuriti makanan negeri



Modernising the agri-food sector and strengthening state food security

RSA12

Peningkatan nilai tambah dan sumbangan sektor agrikomoditi



Increasing the value-added contribution of the agribusiness and commodity sectors

RSA13

Pengurusan hutan lestari dan pemerkasaan perkhidmatan ekosistem



Promoting sustainable forest management and strengthening ecosystem services

RSA14

Perlombongan dengan nilai tambah dan pemulihan mampan



Value-added mining and sustainable rehabilitation

RSA7

2
SP

6
IP

STRENGTHENING WELL-BEING OF ELDERLY, WOMEN AND PEOPLE WITH DISABILITIES

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

7.1

Memperkuuhkan koridor pertumbuhan negeri dengan memacu pertumbuhan ekonomi berimpak tinggi dan berasaskan nilai tambah serta menarik pelaburan strategik

Strengthening the state's growth corridors by driving high-impact, value-added economic growth and attracting strategic investments

7.2

Memperkuuhkan pertumbuhan ekonomi dengan menempatkan industri berasaskan kekuatan sumber, lokasi strategik dan penyelarasan infrastruktur sokongan

Strengthening economic growth by locating industries based on resource strengths, strategic locations and coordination of supporting infrastructure

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

7.1.1

Melaksanakan pertumbuhan Pembangunan sebagai platform peluasan ekonomi strategik (extension economy) negeri dengan menempatkan ekonomi berimpak tinggi

Implementing Development growth as a strategic economic expansion platform (extension economy) for the state by placing high-impact economies

7.1.2

Menarik pelaburan berimpak tinggi

Attracting high-impact investments

7.2.1

Menyelaras pembangunan industri berasaskan kekuatan sumber berpandukan pelan perindustrian negeri

Coordinate industrial development based on resource strength guided by the state industrial plan

7.2.2

Memperkuuhkan infrastruktur yang lengkap di kawasan perindustrian bagi nod pertumbuhan ekonomi ke taraf antarabangsa

Strengthening complete infrastructure in industrial areas for economic growth nodes to international standards

7.2.3

Meningkatkan kapasiti infrastruktur digital dan perhubungan di zon perindustrian sedia ada

Increasing digital and connectivity infrastructure capacity in existing industrial zones

7.2.4

Memperluas dan memperkuuhkan sektor logistik bersepadu dan rantai bekalan merangkumi pergudangan, penghantaran, pengedaran dan perkhidmatan nilai tambah.

Expand and strengthen the integrated logistics sector and supply chain encompassing warehousing, shipping, distribution and value-added services.

RSA8 MEMACUKAN EKONOMI BAHARU MELALUI PEMBANGUNAN SEKTOR BERNILAI TAMBAH TINGGI BAGI MEMPERKUKUH STRUKTUR DAN KESEJAHTERAAN EKONOMI NEGERI

5

SP

14

IP

DRIVING A NEW ECONOMY THROUGH THE DEVELOPMENT OF HIGH VALUE-ADDED SECTORS TO STRENGTHEN THE STRUCTURE AND WELFARE OF THE STATE'S ECONOMY

STRATEGI PELAKSANAAN (SP)

IMPLEMENTATION STRATEGIES

8.1

Memperluaskan pembangunan tenaga boleh baharu (TBB) melalui perancangan serta pengurusan sumber secara bersepadu

Strengthening economic growth by locating industries based on resource strengths, strategic locations and coordination of supporting infrastructure

8.2

Memperkukuh dan memperluas ekonomi digital Negeri Perak dengan mengikuti arus semasa

Strengthening and expanding the digital economy of Perak State by following the current trends

8.3

Memperkasa ekosistem ekonomi penjagaan berteraskan silver economy melalui pembiayaan mampan dan perkhidmatan berkualiti

Empowering the care economy ecosystem based on the silver economy through sustainable financing and quality services

INISIATIF PELAKSANAAN (IP)

IMPLEMENTATION INITIATIVES

8.1.1

Memperluaskan penajaan TBB daripada solar di kawasan bekas lombong, badan air dan struktur bangunan.

Expanding renewable energy generation from solar in former mining areas, water bodies and building structures.

8.1.2

Menaik taraf dan membangunkan Mini Hidro di sungai yang mempunyai aliran mencukupi untuk skim run-of-river dan menaiktaraf Mini Hidro semasa.

Upgrading and developing Mini Hydro on rivers that have sufficient flow for run-of-river schemes and upgrading current Mini Hydro.

8.1.3

Membina Loji Biojisim dan Biogas dengan memanfaatkan sumber sisa pertanian dan penternakan

Build Biomass and Biogas Plants by utilizing agricultural and livestock waste resources

8.2.1

Membangunkan sebuah pusat penyelidikan dan inovasi digital berasaskan industri bagi menyokong pembangunan dan penerapan penyelesaian digital.

Develop an industry-based digital research and innovation center to support the development and adoption of digital solutions.

8.2.2

Memperkukuhkan ekosistem pelaburan dan inovasi dalam ekonomi digital di Negeri Perak

Strengthening the investment and innovation ecosystem in the digital economy in the State of Perak

8.2.3

Memacu peralihan PKS ke arah model perniagaan berasaskan digital dan e-dagang bagi meningkatkan kecekapan operasi serta capaian pasaran

Driving SMEs' transition towards digital-based business models and e-commerce to improve operational efficiency and market reach

8.3.1

Memperkukuhkan ekosistem pembiayaan dan pelaburan penjagaan

Strengthening the care financing and investment ecosystem

8.3.2

Membangunkan pusat integrasi warga emas di peringkat daerah yang melibatkan kerjasama kerajaan, pemain industri dan swasta

Develop an integration center for the elderly at the district level involving the collaboration of the government, industry players and the private sector

8.3.3

Mempromosikan Pelaburan Perak sebagai destinasi Medical Tourism (Perak Healthcare Branding)

Promoting Perak Investment as a Medical Tourism Destination (Perak Healthcare Branding)

RSA8 MEMACUKAN EKONOMI BAHARU MELALUI PEMBANGUNAN SEKTOR BERNILAI TAMBAH TINGGI BAGI MEMPERKUKUH STRUKTUR DAN KESEJAHTERAAN EKONOMI NEGERI

3 SP
16 IP

DRIVING A NEW ECONOMY THROUGH THE DEVELOPMENT OF HIGH VALUE-ADDED SECTORS TO STRENGTHEN THE STRUCTURE AND WELFARE OF THE STATE'S ECONOMY

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

8.4

Memperkukuh pendidikan tertiar untuk menyokong ekonomi bagi melahirkan tenaga mahir yang berilmu dan berakhlak

Strengthening economic growth by locating industries based on resource strengths, strategic locations and coordination of supporting infrastructure

8.5

Memperkasa ekosistem ekonomi kreatif sebagai pemacu penjana pendapatan

Empowering the creative economy ecosystem as a driver of income generation

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

8.4.1

Melaksanakan Pelan TVET Negeri & Majlis TVET-STEM- Tahfiz Negeri

Implementing the State TVET Plan & State TVET-STEM-Tahfiz Council

8.4.2

Mewujudkan Penjajaran TVET-STEM-Tahfiz kepada industri strategik

Creating TVET-STEM-Tahfiz Alignment to Strategic Industries

8.4.3

Mewujudkan Pensijilan industri TVET-STEM-TAHFIZ (micro-credentials & skills passport)

Creating TVET-STEM-TAHFIZ industry certification (micro-credentials & skills passport)

8.5.1

Menggalakkan penghasilan kandungan digital berasaskan identiti tempatan

Promoting the production of digital content based on local identity

8.5.2

Menubuhkan Creative Production Lab produksi berasaskan di Negeri Perak untuk memanfaatkan landskap dan lokasi menarik di Negeri Perak sebagai latar penggambaran.

Establishing a Creative Production Lab based in the State of Perak to utilize the landscape and attractive locations in the State of Perak as filming backdrops.

RSA9 MENGUKUH DAYA SAING SEKTOR PELANCONGAN SECARA MAMPAN DAN BERNILAI TINGGI

3
SP

15
IP

STRENGTHENING THE COMPETITIVENESS OF THE SUSTAINABLE AND HIGH-VALUE TOURISM SECTOR

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

9.1

Memperkasa kluster dan produk pelancongan berteraskan identiti tempatan bagi menjana pelancongan bernilai tinggi, berdaya saing dan mampan

Strengthening tourism clusters and products based on local identity to generate high-value, competitive and sustainable tourism

9.2

Menguatkan infrastruktur, kesalinghubungan dan mobiliti destinasi pelancongan secara bersepadu

Strengthening the infrastructure, connectivity and mobility of tourism destinations in an integrated manner

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

9.1.1

Mewujudkan kluster pelancongan negeri sebagai asas pembangunan destinasi secara berhierarki, beridentiti dan bernilai tinggi

Creating state tourism clusters as the basis for developing destinations in a hierarchical, identity-based and high-value manner

9.1.2

Mengangkat Bandar Kuala Kangsar sebagai Bandar Diraja Warisan Negeri Perak melalui pemerkasaan identiti bandar, warisan budaya dan pelancongan diraja

Elevating Kuala Kangsar City as a Royal Heritage City of the State of Perak through the empowerment of the city's identity, cultural heritage and royal tourism

9.1.3

Memperkukuh produk ekopelancongan premium dan pelancongan berasaskan biodiversiti secara mampan

Strengthening premium ecotourism products and sustainable biodiversity-based tourism

9.1.4

Memperkasa produk pelancongan warisan dan budaya sebagai tarikan bernilai tinggi dan berprofil antarabangsa

Strengthening heritage and cultural tourism products as high-value attractions with an international profile

9.1.5

Memperkasa pembangunan produk pelancongan komuniti dan desa berasaskan budaya, warisan dan pengalaman autentik tempatan

Strengthen the development of community and village tourism products based on local culture, heritage and authentic experiences

9.2.1

Memperkukuh kesalinghubungan dan sistem mobiliti pelancongan ke destinasi utama negeri

Strengthening connectivity and tourism mobility systems to the state's main destinations

9.2.2

Merancang dan mengawal pembangunan penginapan pelancongan

Planning and controlling the development of tourist accommodation

9.2.3

Menyediakan, menaik taraf dan menyelenggara kemudahan sokongan pelancongan yang berkualiti dan inklusif.

Provide, upgrade and maintain quality and inclusive tourism support facilities.

9.2.4

Memperkukuh sistem Smart Tourism dan infrastruktur digital pelancongan

Strengthening the Smart Tourism system and digital tourism infrastructure

9.2.5

Menggalakkan pembangunan mobiliti hijau dan pelancongan rendah karbon di destinasi pelancongan utama

Strengthen the development of community and village tourism products based on local culture, heritage and authentic experiences

RSA10 MEMPERKASA PEMELIHARAAN DAN PEMULIHARAAN WARISAN

3

SP

7

IP

STRENGTHENING THE COMPETITIVENESS OF THE SUSTAINABLE AND HIGH-VALUE TOURISM SECTOR

STRATEGI PELAKSANAAN (SP)

IMPLEMENTATION STRATEGIES

10.1

Menstrukturkan Rangka Spatial Warisan Negeri Perak Sebagai Sistem Bandar dan Landskap Warisan Hidup

Structuring the Spatial Framework of Perak State Heritage as a Living Heritage Urban and Landscape System

10.2

Menguatkan sistem inventori kawalan pembangunan dan pemuliharaan fizikal warisan secara bersepadu

Strengthening the integrated development control inventory system and physical heritage conservation

10.3

Mengaktifkan warisan sebagai ekonomi hidup melalui pemindahan ilmu, inovasi budaya dan pemerkasaan komuniti secara inklusif dan berdaya tahan

Activating heritage as a living economy through knowledge transfer, cultural innovation and community empowerment in an inclusive and resilient manner

INISIATIF PELAKSANAAN (IP)

IMPLEMENTATION INITIATIVES

10.1.1

Menetapkan Koridor Warisan Primer dan Sekunder sebagai rangka spatial rasmi negeri

Establishing Primary and Secondary Heritage Corridors as the state's official spatial framework

10.1.2

Melaksanakan regenerasi berasaskan warisan melalui pendekatan tematik dan keutamaan intervensi

Implementing heritage-based regeneration through a thematic approach and prioritizing interventions

10.2.1

Mewujudkan inventori Daftar Warisan Negeri Perak

Creating an inventory of the Perak State Heritage Register

10.2.2

Melaksanakan program pemuliharaan fizikal dan guna semula adaptif aset warisan.

Implement a physical conservation program and adaptive reuse of heritage assets.

10.3.1

Membangunkan ekonomi warisan berasaskan kraf tangan dan makanan tradisional

Developing a heritage economy based on handicrafts and traditional food

10.3.2

Memindahkan warisan tidak ketara melalui kerjasama dan pemerkasaan komuniti pemilik pengetahuan serta pelaksanaan program pemindahan kemahiran warisan antara generasi

Transferring intangible heritage through collaboration and empowerment of knowledge-owning communities and the implementation of intergenerational heritage skills transfer programs

10.3.2

Memperkuh penglibatan komuniti dalam program kraf serta memperluas peluang memartabatkan seni dan warisan secara berterusan.

Strengthen community involvement in craft programs and expand opportunities to continuously promote arts and heritage.

RSA11

MENGUKUHKAN KETERJAMINAN MAKANAN DENGAN PEMODENAN RANTAIAN NILAI AGROMAKANAN

4 SP 7 IP

STRENGTHENING THE COMPETITIVENESS OF THE SUSTAINABLE AND HIGH-VALUE TOURISM SECTOR

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

11.1

Mengekalkan sekurang-kurangnya 10 peratus kawasan agromakanan

Maintain at least 10 percent of agro-food areas

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

11.1.1

Mengekalkan kawasan padi yang dizonkan

Maintain the rice area used

11.1.2

Mengekalkan pewartaan Taman Kekal Pengeluaran Makanan (Tanaman) sedia ada dan menambah satu TKPM (Tanaman) baharu,

Maintain the gazettement of the existing Permanent Food Production Park (Plants) and add a new TKPM (Plants),

11.1.3

Mengekalkan pewartaan Taman Kekal Pengeluaran Ruminan (TKPR) Pondok Tanjung dan menaiktaraf komponen sokongan

Maintain the gazettement of the Pondok Tanjung Permanent Ruminant Production Park (TKPR) and upgrade the supporting components

11.1.4

Mengekalkan pewartaan padang ragut sedia ada dan menambah pewartaan padang ragut Baharu

Maintain existing grazing land gazettement and add new grazing land gazettement

11.1.5

Mewartakan padang ragut sebagai Taman Kekal Pengeluaran Makanan (Ternakan),

Gazette grazing land as a Permanent Food Production Park (Livestock),

11.1.6

Mengekalkan pewartaan Zon Industri Akuakultur sedia ada dan menambah pewartaan ZIA Baharu

Maintain the gazettement of existing Aquaculture Industrial Zones and add the gazettement of New ZIAs

11.1.7

Mewartakan kawasan kerang-kerangan di pesisir pantai Daerah Bagan Datuk, Daerah Larut Matang dan Daerah Kerian.

Gazette shellfish areas on the coast of Bagan Datuk District, Larut Matang District and Kerian District.

11.1.8

Mengekal kawasan tanaman kelapa di Rungkup – Sungai Sumun, Daerah Bagan Datuk.

Maintaining coconut plantation areas in Rungkup – Sungai Sumun, Bagan Datuk District.

11.1.9

Mewujudkan koridor ternakan unggas dan koridor ternakan ruminan

Creating poultry farming corridors and ruminant farming corridors

11.1.10

Mewujudkan zon guna tanah utama bagi penternakan dan akuakultur dalam setiap Rancangan Tempatan

Establish primary land use zones for livestock and aquaculture in each Local Plan

RSA11

MENGUKUHKAN KETERJAMINAN MAKANAN DENGAN PEMODENAN RANTAIAN NILAI AGROMAKANAN

4 SP 7 IP

STRENGTHENING THE COMPETITIVENESS OF THE SUSTAINABLE AND HIGH-VALUE TOURISM SECTOR

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

11.2

Memodenkan aktiviti pertanian untuk meningkatkan produktiviti agromakanan secara mampan

Modernizing agricultural activities to sustainably increase agro-food productivity

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

11.2.1

Meningkatkan produktiviti padi

Increasing rice productivity

11.2.2

Mempertingkatkan produktiviti sayur-sayuran, buah-buahan dan tanaman makanan lain

Improve the productivity of vegetables, fruits and other food crops

11.2.3

Mengoptimumkan penggunaan tanah pertanian bagi meningkatkan pengeluaran agromakanan

Optimizing the use of agricultural land to increase agro-food production

11.2.4

Meningkatkan pengeluaran ternakan ruminan pedaging di koridor ternakan ruminan

Increasing ruminant meat production in the ruminant livestock corridor

11.2.5

Meningkatkan produktiviti ternakan

Increase livestock productivity

11.2.6

Melaksanakan aktiviti penternakan secara mesra alam

Carrying out environmentally friendly farming activities

11.2.7

Meningkatkan pengeluaran susu segar dengan menaik taraf prasarana Pusat Perkhidmatan Industri Tenuku (PPIT) sedia ada

Increase fresh milk production by upgrading the existing Dairy Industry Service Centre (PPIT) infrastructure

11.2.8

Merancang dan melaksanakan Agro Mix Farm Sungai Soh

Planning and implementing Agro Mix Farm Sungai Soh

11.2.9

Meningkatkan produktiviti akuakultur

Increasing aquaculture productivity

11.2.10

Meningkatkan hasil pendaratan ikan tangkapan

Increase the yield of fish landings

11.2.11

Memelihara kemampanan sumber perikanan

Maintaining the sustainability of fishery resources

RSA11

MENGUKUHKAN KETERJAMINAN MAKANAN DENGAN PEMODENAN RANTAIAN NILAI AGROMAKANAN

4

SP

7

IP

STRENGTHENING THE COMPETITIVENESS OF THE SUSTAINABLE AND HIGH-VALUE TOURISM SECTOR

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

11.3

Meningkatkan kecekapan infrastruktur sokongan di kawasan agromakanan

Improving the efficiency of support infrastructure in agro-food areas

11.4

Memperkasa Pembangunan Rantaian Industri Agromakanan Bernilai Tambah Tinggi

Empowering the Development of High Value-Added Agro-Food Industry Chains

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

11.3.1

Meningkatkan keberkesanan sistem pengairan dan saliran

Improve the efficiency of irrigation and drainage systems

11.3.2

Menggalakkan penggunaan sumber air alternatif seperti telaga tiub bersama pam bergerak dan Sistem Penuaian Air Hujan (SPAHL).

Promote the use of alternative water sources such as tube wells with mobile pumps and Rainwater Harvesting Systems (SPAHL).

11.3.3

Menaik taraf dan membangunkan jalan ladang dari laluan utama serta jalan dalaman di kawasan/tapak agromakanan.

Upgrading and developing farm roads from main routes as well as internal roads in agro-food areas/sites.

11.3.4

Menaik taraf jeti-jeti pendaratan ikan kepada struktur kekal dan dilengkapi dengan kemudahan pengendalian serta pemprosesan hasil perikanan

Upgrading fish landing jetties to permanent structures and equipped with facilities for handling and processing fishery products

11.4.1

Mempergiat aktiviti penyelidikan, pembangunan, mengkomersialkan dan inovasi (research, development, commercialization and innovation, R&D&C&I)

Intensify research, development, commercialization and innovation (R&D&C&I) activities

11.4.2

Memastikan bekalan makanan ternakan yang mencukupi dan berterusan

Ensuring an adequate and continuous supply of livestock feed

11.4.3

Meningkatkan kecekapan proses pengendalian hasil agromakanan yang bermula dari aktiviti penuaian hingga pemasaran bagi mengurangkan kehilangan hasil pasca tuai.

Improve the efficiency of the agro-food product handling process, starting from harvesting activities to marketing, to reduce post-harvest product losses.

11.4.4

Menaik taraf pusat hatcheri sebagai pembekal benih ikan dan udang dari segi kapasiti dan varieti pengeluaran bagi mengekalkan status negeri sebagai pembekal utama.

Upgrading hatchery centres as suppliers of fish and shrimp seeds in terms of capacity and production varieties to maintain the state's status as a major supplier.

11.4.5

Menguatkan aktiviti hiliran sektor agromakanan

Strengthening downstream activities in the agri-food sector

11.4.6

Menaik taraf Pusat Pemprosesan, Pembungkusan dan Pemasaran (3P) bagi memenuhi standard pensijilan

Upgrading the Processing, Packaging and Marketing (3P) Centre to meet certification standards

RSA11

MENGUKUHKAN KETERJAMINAN MAKANAN DENGAN PEMODENAN RANTAIAN NILAI AGROMAKANAN

4 SP 7 IP

STRENGTHENING THE COMPETITIVENESS OF THE SUSTAINABLE AND HIGH-VALUE TOURISM SECTOR

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

11.4

Memperkasa
Pembangunan Rantai
Industri Agromakanan
Bernilai Tambah Tinggi

Empowering the
Development of High Value-
Added Agro-Food Industry
Chains

11.4.7

Menguukh dan memperluas rangkaian pemasaran produk agromakanan

Strengthen and expand the marketing network of agro-food products

11.4.8

Mengoptimumkan fasiliti latihan pertanian sedia ada untuk menawarkan latihan kemahiran dan teknikal (upskilling & reskilling)

Optimizing existing agricultural training facilities to offer skills and technical training (upskilling & reskilling)

11.4.9

Meningkatkan pengamalan ekonomi kitaran

Increasing the practice of the circular economy

11.4.10

Meningkatkan penglibatan generasi kedua dan ketiga FELDA dalam Program Pembangunan Peneroka (PPP) dan penglibatan pekebun kecil dalam Program Agromakanan (PAM) RISDA.

Increase the involvement of second and third generation FELDA in the Settler Development Program (PPP) and the involvement of smallholders in the RISDA Agro-Food Program (PAM).

11.4.11

Meningkatkan kesiapsiagaan sektor agromakanan terhadap perubahan iklim dan risiko bencana

Improving the agri-food sector's preparedness for climate change and disaster risks

11.4.12

Menjalankan Kajian Kebolehlaksanaan Lembah Tenusu Negeri Perak sebagai hab pengeluaran tenusu yang lengkap dengan prasarana bersepadu

Conducting a Feasibility Study on the Perak Dairy Valley as a complete dairy production hub with integrated infrastructure

11.4.13

Menjalankan Kajian Pembangunan Rumah Sembelih Ruminan Negeri Perak, termasuk pengenalpastian lokasi dan kaedah pengoperasian yang bersesuaian.

Conducting a Study on the Development of a Ruminant Slaughterhouse in Perak, including identifying suitable locations and operating methods.

RSA12

MEMPERKASA SEKTOR AGRIKOMODITI SECARA MAMPAN DAN BERDAYA SAING

2 SP 14 IP

STRENGTHENING THE AGRICOMMODITY SECTOR IN A SUSTAINABLE AND COMPETITIVE WAY

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

12.1

Meningkatkan produktiviti agrikomoditi secara mampan dengan memodenkan aktiviti pengeluaran

Increasing agri-commodity productivity sustainably by modernizing production activities

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

12.1.1

Menanam semula kawasan pokok sawit dan getah yang telah melebihi 20 tahun serta tidak produktif dengan menggunakan klon berhasil tinggi.

Replanting areas of oil palm and rubber trees that are over 20 years old and unproductive using high-yielding clones.

12.1.2

Memodenkan sektor agrikomoditi menerusi program penggalakan seperti Skim Insentif Mekanisasi Sawit, serta program pemindahan teknologi

Modernizing the agri-commodity sector through incentive programs such as the Palm Oil Mechanization Incentive Scheme, as well as technology transfer programs

12.1.3

Memperkasa dan meningkatkan ekonomi pekebun kecil menerusi program pembangunan

Empowering and improving the economy of smallholders through development programs

12.1.4

Menggalakkan penyatuan tanah kebun bersaiz kecil kepada pertanian koperasi dan berkelompok untuk perusahaan secara komersial dan berteknologi tinggi.

Promote the consolidation of small-scale farm land into cooperative and group agriculture for commercial and high-tech enterprises.

12.1.5

Mempromosi penggunaan kecerdasan buatan (AI) dan aplikasi Internet of Things (IoT) untuk pengurusan ladang

Promoting the use of artificial intelligence (AI) and Internet of Things (IoT) applications for farm management

12.1.6

Mempromosi penggunaan teknologi automasi serta mengamalkan Amalan Pengilangan Baik (GMP)

Promote the use of automation technology and practice Good Manufacturing Practices (GMP)

12.1.7

Menggalakkan penggunaan tanaman penutup bumi sebagai langkah kesiapsiagaan terhadap perubahan iklim dan risiko bencana

Encouraging the use of ground cover plants as a preparedness measure against climate change and disaster risk

12.1.8

Mengawal aktiviti agrikomoditi dengan tidak membenarkan pembukaan kawasan ladang baharu, terutamanya di kawasan tadahan air dan hutan tanah negeri.

Control agri-commodity activities by not allowing the opening of new plantation areas, especially in water catchment areas and state forest lands.

12.1.9

Memperkuh kawal selia dan penguatkuasaan terhadap aktiviti penukaran kegunaan tanah sawah jelapang padi kepada tanaman agrikomoditi.

Strengthen regulation and enforcement of land conversion activities from paddy fields to agri-commodity crops.

RSA12 MEMPERKASA SEKTOR AGRIKOMODITI SECARA MAMPAN DAN BERDAYA SAING

2 SP
14 IP

STRENGTHENING THE AGRICOMMODITY SECTOR IN A SUSTAINABLE AND COMPETITIVE WAY

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

12.1

Meningkatkan produktiviti agrikomoditi secara mampan dengan memodenkan aktiviti pengeluaran

Increasing agri-commodity productivity sustainably by modernizing production activities

12.2

Mengoptimumkan dan Mempelbagaikan penggunaan kawasan agrikomoditi untuk pengeluaran agromakanan

Optimizing and Diversifying the use of agri-commodity areas for agri-food production

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

12.1.10

Mempergiat aktiviti penyelidikan, pembangunan, mengkomersialkan dan inovasi (R&D&C&I)
Intensify research, development, commercialization and innovation (R&D&C&I) activities

12.1.11

Meningkatkan pengamalan ekonomi kitaran dengan mengitar semula sisa agrikomoditi
Increasing the practice of circular economy by recycling agri-commodity waste

12.1.12

Mengamal dan mematuhi Skim Pensijilan Minyak Sawit Mampan Malaysia (MSPO) dan Skim Getah Asli Mampan Malaysia (MSNR).
Practicing and complying with the Malaysian Sustainable Palm Oil Certification Scheme (MSPO) and the Malaysian Sustainable Natural Rubber Scheme (MSNR).

12.2.1

Memperluas pelaksanaan tanaman selingan dengan tanaman jangka pendek dan sederhana di kawasan tanam semula agrikomoditi yang kurang daripada 5 tahun.
Expand the implementation of intercropping with short and medium-term crops in agri-commodity replanting areas that are less than 5 years old.

12.2.2

Memperluas pelaksanaan integrasi penternakan ruminan di kawasan agrikomoditi yang lebih daripada 5 tahun berdasarkan pengurusan pusingan ragutan.
Expand the implementation of integrated ruminant farming in agri-commodity areas that are more than 5 years old based on rotational grazing management.

RSA13 MEMPERKASA EKONOMI HUTAN DAN PERKHIDMATAN EKOSISTEM SECARA MAMPAN

1 SP
3 IP

STRENGTHENING FOREST ECONOMY AND ECOSYSTEM SERVICES SUSTAINABLY

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

13.1

Mengurus hutan mampan untuk mengoptimumkan ekonomi negeri

Managing forests sustainably to optimize the state economy

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

13.1.1

Melaksanakan Rancangan Pengurusan Hutan (RPH) 2026-2035 bagi hutan darat dan Rancangan Kerja Hutan (RKH) 2020-2029 bagi hutan paya laut.
Implement the Forest Management Plan (RPH) 2026-2035 for terrestrial forests and the Forest Work Plan (RKH) 2020-2029 for marine swamp forests.

13.1.2

Menyokong penubuhan Zon Pembangunan Ladang Hutan (ZPLH) secara terancang dan berimpak tinggi
Supporting the establishment of a planned and high-impact Forest Plantation Development Zone (ZPLH)

13.1.3

Membangunkan Akaun Satelit Sektor Perhutanan dalam membantu usaha penilaian kuantitatif dan berasaskan bukti
Developing a Forestry Sector Satellite Account to assist quantitative and evidence-based assessment efforts

RSA14 MEMPERKASA PERLOMBONGAN NILAI TAMBAH DAN PEMULIHAN MAMPA

1 SP 3 IP ENHANCING VALUE-ADDED MINING AND AFFORDABLE RECOVERY

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

14.1

Memperkuhkan pembangunan industri mineral bernilai tinggi dan rantai nilai hulu, pertengahan serta hiliran

Managing forests sustainably to optimize the state economy

14.2

Meningkatkan dan mempelbagaikan Peluang Pekerjaan dalam sektor perlombongan negeri

Increasing and diversifying employment opportunities in the state's mining sector

14.3

Memperkuhkan tadbir urus dan pemantauan aktiviti perlombongan secara bertanggungjawab dan mampan

Strengthening governance and monitoring of responsible and sustainable mining activities

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

14.1.1

Memperkuhkan pembangunan sumber mineral strategik termasuk IAC-REE

Strengthening the development of strategic mineral resources including IAC-REE

14.1.2

Memfaatkan Silver Valley Technology Park (SVTP) sebagai hab industri pertengahan dan hiliran mineral berteknologi tinggi

Utilizing the Silver Valley Technology Park (SVTP) as a hub for midstream and downstream high-tech mineral industries

14.1.3

Memperkasakan penyelidikan, pengkomersialan dan pelaburan industri mineral

Strengthening mineral industry research, commercialization and investment

14.1.4

Mengukuhkan jaringan logistik dan aksesibiliti antara kawasan sumber mineral dengan zon perindustrian

Strengthening logistics networks and accessibility between mineral resource areas and industrial zones

14.1.5

Membangunkan sistem data dan Akaun Satelit Sektor Perlombongan bagi menyokong penilaian prestasi sektor, pengurusan sumber mineral, perancangan infrastruktur strategik dan penggubalan dasar berasaskan data.

Develop a data system and Mining Sector Satellite Account to support sector performance assessment, mineral resource management, strategic infrastructure planning and data-based policy formulation.

14.2.1

Memperkasakan pembangunan modal insan sektor perlombongan melalui kerjasama antara institusi pendidikan, TVET, pusat penyelidikan dan pemain industri bagi melahirkan tenaga kerja berkemahiran tinggi yang memenuhi keperluan industri mineral masa hadapan.

Strengthening human capital development in the mining sector through collaboration between educational institutions, TVET, research centres and industry players to produce a highly skilled workforce that meets the needs of the future mineral industry.

14.2.2

Menggalakkan adaptasi teknologi moden dan kepakaran teknikal dalam sektor hulu, pertengahan dan hiliran mineral termasuk bidang geologi, pemprosesan mineral, automasi industri, GIS, pemantauan digital dan pengurusan alam sekitar bagi meningkatkan peluang pekerjaan berpendapatan tinggi.

Promote the adaptation of modern technology and technical expertise in the upstream, midstream and downstream mineral sectors including geology, mineral processing, industrial automation, GIS, digital monitoring and environmental management to increase high-income employment opportunities.

14.3.1

Memperkuhkan kawalan dan pematuhan aktiviti perlombongan

Strengthen control and compliance of mining activities

14.3.2

Memperkasakan penggunaan teknologi pemantauan moden

Empowering the use of modern monitoring technology

TERAS 3 THRUST 3

PEMBANGUNAN INKLUSIF DAN BERDAYA TAHAN

INCLUSIVE AND RESILIENT DEVELOPMENT



Teras 3 memberi tumpuan kepada pembangunan sosial yang inklusif dan berdaya tahan melalui penyediaan perumahan, kemudahan masyarakat dan sistem sokongan bandar yang berkualiti bagi meningkatkan kesejahteraan rakyat sehingga tahun 2040.

Thrust 3 focuses on fostering inclusive and resilient social development through the provision of quality housing, community facilities and urban support systems to enhance the well-being of the people through to 2040.

TERAS 3

THRUST 3

7 Dasar Strategik
Strategic Policy

17 Strategi Pelaksanaan
Implementation Strategies

53 Inisiatif Pelaksanaan
Implementation Initiatives

FOKUS UTAMA TERAS 3

THRUST 3 KEY FOCUS AREAS

RSA15

Pengurusan cabaran demografi warga menua dan golongan rentan



Managing the challenges of an ageing population and vulnerable groups

RSA16

Menangani isu migrasi dan pemerkasaan modal insan



Addressing migration issues and strengthening human capital

RSA17

Menangani isu pemilikan perumahan dengan penstrukturan penawaran dan agihan perumahan



Addressing housing ownership issues through the restructuring of housing supply and distribution

RSA18

Penyediaan kemudahan masyarakat dengan mudah capai, mencukupi dan berdaya tampung



Providing accessible, adequate and capacity-responsive community facilities

RSA19

Pengukuhan imej reka bentuk bandar



Strengthening urban design and place identity

RSA20

Liputan jalur lebar dan telekomunikasi dengan perluasan capaian yang baik



Expanding broadband and telecommunications coverage with improved connectivity

RSA21

Pengurusan sisa pepejal yang baik dan terancang



Promoting efficient and well-planned solid waste management

RSA15 MENGUKUHKAN KESEJAHTERAAN WARGA EMAS, WANITA DAN OKU

3
SP

16
IP

STRENGTHENING WELL-BEING OF ELDERLY, WOMEN AND PEOPLE WITH DISABILITIES

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

15.1

Memperkasakan ekosistem sosial dan Kesihatan yang inklusif dan komprehensif bagi warga emas

Strengthening an inclusive and comprehensive social and health ecosystem for seniors

15.2

Menyediakan peluang pekerjaan fleksibel dan inklusif bagi warga emas aktif, wanita serta orang kurang Upaya (OKU)

Providing flexible and inclusive employment opportunities for active senior citizens, women and people with disabilities (OKU)

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

15.1.1

Mewujudkan pusat kesejahteraan warga emas di bandar utama

Establishing senior citizen wellness centers in major cities

15.1.2

Memperkenalkan dan memperkukuh aliran TVET sosial penjagaan dan pengurusan warga emas

Introduce and strengthen the social TVET stream of elderly care and management

15.1.3

Menggalakkan pelaksanaan pogram gaya hidup aktif bagi mencapai penuaian aktif dan kesejahteraan sosial warga emas

Promote the implementation of active lifestyle programs to achieve active harvesting and social well-being of senior citizens

15.2.1

Memperkasakan Pembangunan Koridor Ekonomi Sempadan (KES) Pengkalan Hulu- Baling- Betong Sebagai Zon Kerjasama Ekonomi Strategik Perak-Kedah- Thailand

Strengthening the Development of the Pengkalan Hulu- Baling- Betong Border Economic Corridor (KES) as Perak- Kedah- Thailand Strategic Economic Cooperation Zone

15.2.2

Memperkukuh Integrasi Darat-maritim bagi Memposisikan Negeri Perak Sebagai Nod Perdagangan Antarabangsa Dalam Rangka IMT-GT dan Selat Melaka

Strengthening Land-Maritime Integration to Position Perak as an International Trade Node within the IMT-GT and Straits of Malacca Framework

15.2.3

Memperkukuh Jaringan Ekonomi, Perdagangan dan Modal Insan Antarabangsa Berasaskan Kluster Strategik Negeri

Strengthening International Economic, Trade and Human Capital Networks Based on State Strategic Clusters

15.2.4

Memperkukuh Kerjasama Pembangunan Rentas Negeri Melalui PEKA, CEKAL dan Platform Kejasama

Strengthening Cross-State Development Cooperation Through PEKA, CEKAL and Other Cooperation Platforms

15.2.5

Memperkukuh Peranan JawatankuasaPerancang Wilayah (JPW) Sebagai Mekanisme Tadbir Urus Pembangunan Wilayah Rentas Sempadan

Strengthening the Role of Regional Planning Committees (RPCs) as a Governance Mechanism for Cross-Border Regional Development

RSA16

MENGURUS MINGRASI MELALUI PEMERKASAAN MODAL INSAN BELIA DAN TENAGA KERJA TEMPATAN

3 SP 16 IP

MANAGING MIGRATION THROUGH EMPOWERING YOUTH HUMAN CAPITAL AND LOCAL LABOR

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

16.1

Mengurangkan Migrasi Keluar Melalui Penawaran Pelbagai Peluang Pekerjaan dan Keusahawanan

Reducing Outward Migration by Offering Various Employment and Entrepreneurship Opportunities

16.2

Memperkasa Modal Insan Belia dan Tenaga Kerja Tempatan Menerusi Pendidikan dan Latihan berkualiti dengan Kerjasama Industri-Universiti

Empowering the Human Capital of Youth and Local Workforce Through Quality Education and Training with Industry-University Collaboration

16.3

Mengutamakan Penggunaan Tenaga Kerja Tempatan dalam Semua Sektor Ekonomi Negeri Termasuk Industri Berimpak Tinggi

Empowering the Human Capital of Youth and Local Workforce Through Quality Education and Training with Industry-University Collaboration

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

16.1.1

Memperkukuh dan mempelbagaikan peluang pekerjaan dalam sektor primer
Strengthening and diversifying employment opportunities in the primary sector

16.1.2

Memperkenalkan dan memperkukuh aliran TVET sosial penjagaan dan pengurusan warga emas
Introduce and strengthen the social TVET stream of elderly care and management

16.1.3

Menggalakkan pelaksanaan pogram gaya hidup aktif bagi mencapai penuaian aktif dan kesejahteraan sosial warga emas
Promote the implementation of active lifestyle programs to achieve active harvesting and social well-being of senior citizens

16.2.1

Memperkasa pendidikan TVET dan STEM secara latihan berkemahiran tinggi
Strengthening TVET and STEM education through highly skilled training

16.2.2

Meminimumkan kadar pengangguran dalam kalangan graduan berijazah di Negeri Perak
Minimizing the unemployment rate among degree graduates in the State of Perak

16.3.1

Memastikan pelaksanaan projek berimpak tinggi memberi keutamaan kepada pengambilan tenaga kerja tempatan
Ensure that the implementation of high-impact projects prioritizes the recruitment of local workers

16.3.1

Memastikan pelaksanaan projek berimpak tinggi memberi keutamaan kepada pengambilan tenaga kerja tempatan
Ensure that the implementation of high-impact projects prioritizes the recruitment of local workers

RSA17

MEMBANGUNKAN PERUMAHAN YANG INKLUSIF DAN BERDAYA HUNI

3 16
SP IP

DEVELOPING INCLUSIVE AND LIVABLE HOUSING

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

17.1

Menstrukturkan penawaran dan agihan perumahan di lokasi strategik secara seimbang dan inklusif

Structuring the supply and distribution of housing in strategic locations in a balanced and inclusive manner

17.2

Meningkatkan kualiti dan stok perumahan negeri dengan pendekatan regenerasi bandar dan penggunaan semula

Improving the quality and stock of state housing with an urban regeneration and reuse approach

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

17.1.1

Mempelbagaikan jenis perumahan bagi memenuhi keperluan demografi, struktur ekonomi dan perumahan gaya hidup dengan memfokuskan di nod pertumbuhan Pembangunan dan Kawasan tumpuan pekerjaan

Diversify housing types to meet demographic needs, economic structures and housing lifestyles by focusing on Development growth nodes and employment focus areas

17.1.2

Memastikan penyediaan perumahan mampu milik secara mandatori bagi Pembangunan Baharu berskala berskala besar

Ensure the mandatory provision of affordable housing for large-scale New Developments

17.2.1

Melaksanakan pembaharuan perumahan dengan pendekatan *urban housing regeneration* bagi meningkatkan keselamatan, kualiti hidup dan nilai persekitaran

Implementing housing reform with an urban housing regeneration approach to improve safety, quality of life and environmental value

17.2.2

Mengoptimumkan stok perumahan sedia ada melalui penggunaan data inventori perumahan sebagai asas perancangan

Optimizing existing housing stock through the use of housing inventory data as a planning basis

17.2.3

Melaksanakan piawaian reka bentuk sejagat (*universal design*) dan integrasi kemudahan kejiranan melalui konsep *15-minute neighbourhood*

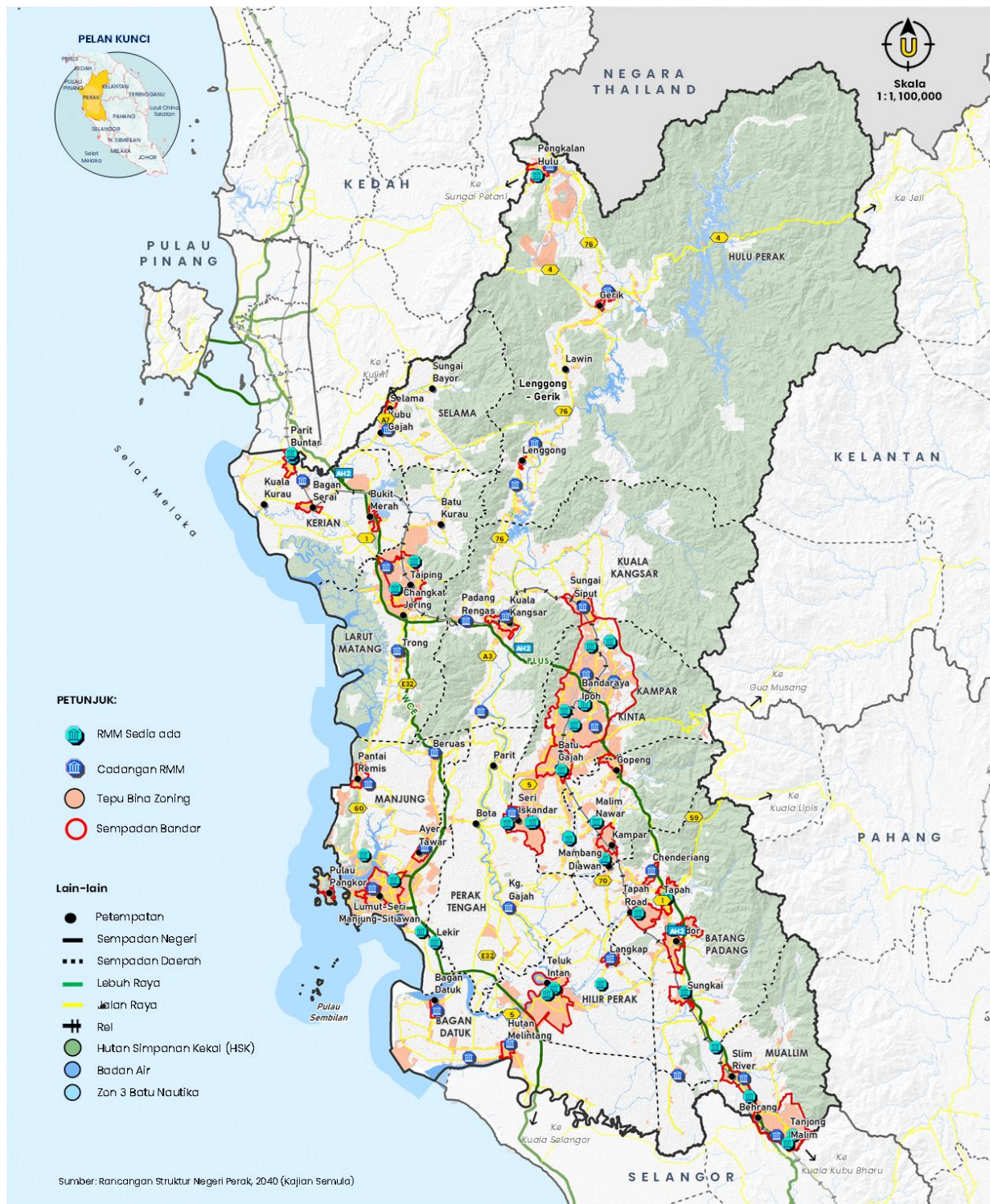
Implementing universal design standards and integrating neighborhood amenities through the 15-minute neighborhood concept

17.2.4

Melaksanakan Pembangunan perumahan berskala kecil secara terkawal

Implementing small-scale housing development in a controlled manner

Lokasi Rumah Mampu Milik Affordable Housing Location



RSA18

MENGUKUH PENYEDIAAN KEMUDAHAN MASYARAKAT DAN REKREASI

6
SP

17
IP

STRENGTHENING THE PUBLIC AND RECREATIONAL FACILITIES

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

18.1

Merancang kemudahan Masyarakat secara berhierarki, berpusat dan mudah capai

Planning public facilities in a hierarchical, centralized and easily accessible manner

18.2

Menyediakan Kemudahan Pendidikan secara terancang dan berasaskan keperluan

Providing Educational Facilities in a planned and needs-based manner

18.3

Menstruktur sistem kemudahan Kesihatan yang mencukupi dan mudah akses

Structuring a system of adequate and easily accessible health facilities

18.4

Mengukuh agihan dan liputan kemudahan keselamatan berasaskan risiko setempat

Strengthen the distribution and coverage of security facilities based on local risk

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

18.1.1

Membangunkan hab komuniti bersepadu sebagai nod infrastruktur sosial pelbagai fungsi
Developing integrated community hubs as multifunctional social infrastructure nodes

18.1.2

Memperkuh agihan dan mentransformasikan perpustakaan awam sebagai hab pembelajaran, inovasi dan komuniti dengan pengagihan liputan seimbang, peluasan capaian digital dan penaiktarafan kemudahan berasaskan keperluan pengguna
Strengthening the distribution and transforming public libraries as learning, innovation and community hubs with balanced coverage distribution, expanding digital access and upgrading facilities based on user needs

18.1.3

Memastikan Pembangunan Baharu berkeluasan 8.09 hektar (20 ekar) menyediakan *social infrastructure reserve* untuk liputan perkhidmatan yang saksama
Ensure that the New Development covering an area of 8.09 hectares (20 acres) provides a social infrastructure reserve for equitable service coverage

18.2.1

Merancang penyediaan kemudahan pendidikan secara berhierarki dan berasaskan keperluan kapasiti setempat
Planning the provision of educational facilities hierarchically and based on local capacity needs

18.2.2

Memperkuhkan standard dan kualiti kemudahan Pendidikan yang selamat, pintar dan berdaya tahan iklim
Strengthening the standards and quality of safe, smart and climate-resilient Education facilities

18.3.1

Memperkuhkan kapasiti dan agihan fasiliti Kesihatan
Strengthening the capacity and distribution of Health facilities

18.3.2

Menaik taraf klinik desa terpilih kepada klinik kesihatan
Upgrading selected rural clinics to health clinics

18.3.3

Memacu transformasi sistem Kesihatan berasaskan komuniti dan digital
Driving community-based and digital health system transformation

18.4.1

Memperkuhkan kemudahan polis
Strengthening police facilities

18.4.2

Memperkuhkan kemudahan bomba dan penyelamat
Strengthening fire and rescue facilities

18.4.3

Memperkuhkan kawalan keselamatan maritim
Strengthen maritime security controls

RSA18

MENGUKUH PENYEDIAAN KEMUDAHAN MASYARAKAT DAN REKREASI

6 SP 6 IP

STRENGTHENING THE PUBLIC AND RECREATIONAL FACILITIES

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

18.5

Menstruktur
Kemudahan
Keagamaan dan
Perkuburan

*Structuring Religious
Facilities and Cemeteries*

18.6

Menyediakan tanah
lapang dan kemudahan
rekreasi awam
mengikut hierarki dan
keperluan penduduk

*Provide open space and
public recreational facilities
according to the hierarchy
and needs of the population*

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

18.5.1

Merancang dan mengawal penyediaan masjid dan surau secara bersepadu berasaskan keperluan penduduk, pematuhan piawaian perancangan dan pengoptimuman guna tanah

Plan and control the provision of mosques and suraus in an integrated manner based on the needs of the population, compliance with planning standards and land use optimization

18.5.2

Memastikan perancangan dan Pembangunan Rumah Ibadat Bukan Islam (RIBI) mematuhi Garis Panduan Rumah Ibadat Bukan Islam (RIBI) Semasa

Ensure that the planning and development of Non-Muslim Houses of Worship (RIBI) comply with the Current Guidelines for Rumah Ibadat Bukan Islam (RIBI)

18.5.3

Memastikan perancangan dan Pembangunan tempat perkuburan Islam mematuhi Garis Panduan Perancangan Tempat Perkuburan Islam semasa.

Ensure that the planning and development of Islamic cemeteries comply with the current Islamic Cemeteries Planning Guidelines.

18.5.4

Memastikan perancangan dan Pembangunan tempat perkuburan Islam mematuhi Garis Panduan Perancangan Tempat Perkuburan Bukan Islam semasa

Ensure that the planning and development of Islamic cemeteries comply with the current Non-Muslim Cemeteries Planning Guidelines

18.6.1

Menjamin fungsi taman awam, tanah lapang dan rekreasi melalui pewartaan tapak sedia ada yang sesuai dan mematuhi piawaian perancangan landskap negara

Ensuring the function of public parks, open spaces and recreation through gazetting of existing sites that are suitable and comply with national landscape planning standards

18.6.2

Menggalakkan penyediaan kemudahan sukan dan rekreasi yang berkualiti, inklusif dan selamat secara terancang dan berasaskan piawaian

Promote the provision of quality, inclusive and safe sports and recreational facilities in a planned manner and based on standards

RSA19

MENGUKUH REKA BENTUK BANDAR BERIDENTITI
DAN LANDSKAP HIJAU- BIRU NEGERI

13
SPIP

STRENGTHENING URBAN DESIGN WITH IDENTITY AND THE STATE'S
BLUE-GREEN LANDSCAPE

STRATEGI PELAKSANAAN (SP)

IMPLEMENTATION STRATEGIES

19.1

Mengukuh reka bentuk bandar, landskap hijau-biru dan infrastruktur ekologi sebagai asas daya huni dan daya tahan negeri

Strengthening urban design, green-blue landscapes and ecological infrastructure as the foundation of the state's livability and resilience

INISIATIF PELAKSANAAN (IP)

IMPLEMENTATION INITIATIVES

19.1.1

Mengukuh reka bentuk bandar

Strengthening urban design

19.1.2

Mengintegrasikan rangkaian hijau-biru sebagai infrastruktur ekologi wilayah yang menyokong daya tahan

Integrating green-blue networks as regional ecological infrastructure that supports resilience

19.1.3

Melaksanakan dan memperkukuh Pelan Induk Landskap

Implement and strengthen the Landscape Master Plan

RSA20

MENINGKATKAN RANGKAIAN TELEKOMUNIKASI
DAN JALUR LEBAR BERKELAJUAN TINGGI SECARA
INKLUSIF

13
SPIP

INCREASING TELECOMMUNICATIONS NETWORKS AND HIGH-SPEED
BROADBAND IN AN INCLUSIVE WAY

STRATEGI PELAKSANAAN (SP)

IMPLEMENTATION STRATEGIES

20.1

Meluaskan liputan dan capaian jalur lebar berkelajuan tinggi ke kawasan pembangunan

Strengthening urban design, green-blue landscapes and ecological infrastructure as the foundation of the state's livability and resilience

INISIATIF PELAKSANAAN (IP)

IMPLEMENTATION INITIATIVES

20.1.1

Meluaskan jaringan telekomunikasi jalur lebar fiber optic dan liputan 5G berkelajuan tinggi di koridor pembanguna, kawasan perindustrian, lebuh raya dan jalan utama

Expanding fiber optic broadband telecommunications networks and high-speed 5G coverage in development corridors, industrial areas, highways and main roads

20.1.2

Melaksanakan projek Pemberian Perkhidmatan Sejagat (Universal Service Provider, USP) bagi meluaskan capaian jalur lebar

Implementing the Universal Service Provider (USP) project to expand broadband access

20.1.3

Memperkasakan Pusat Sebaran Maklumat Nasional (National Information Dissemination Centre, NADI) sebagai hab digital komuniti

Empowering the National Information Dissemination Center (NADI) as a community digital hub

20.1.4

Memperkukuh infrastruktur digital pintar melalui integrasi IoT, sistem bandar pintar dan platform data digital

Strengthening smart digital infrastructure through integrated IoT, smart city systems and digital data platforms

RSA21

MEMPERKASA PENGURUSAN SISA PEPEJAL SECARA BERSEPADU DAN MAMPAN

2 SP 8 IP *STRENGTHENING INTEGRATED AND SUSTAINABLE SOLID WASTE MANAGEMENT*

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

21.1

Mengurus sisa pepejal secara bersepadu dan cekap melalui peningkatan tapak pelupusan sisa dan perkhidmatan kutipan sisa

Manage solid waste in an integrated and efficient manner through improved waste disposal sites and waste collection services

21.2

Menerapkan ekonomi kitaran dan amalan sisa sifar

Implementing circular economy and zero waste practices

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

21.1.1

Meningkatkan kapasiti pelupusan melalui naik taraf tapak sedia ada kepada tapak sanitari dan Pembangunan tapak pelupusan baharu bagi menggantikan tapak yang telah atau hampir tamat operasi

Increasing disposal capacity through upgrading existing sites to sanitary sites and Development of new landfill sites to replace sites that have or are nearing the end of their operations

21.1.2

Mengaplikasi teknologi pelupusan dan rawatan sisa berimpak tinggi seperti loji sisa ke tenaga (waste to energy, WTE), Material Recovery Facilities (MRF), Refuse Derived Fuel (RDF) dan Pengkomposan di tapak pelupusan

Applying high-impact waste disposal and treatment technologies such as waste to energy (WTE) plants, Material Recovery Facilities (MRF), Refuse Derived Fuel (RDF) and Composting at landfills

21.1.3

Membangunkan tapak pelupusan sedia ada sebagai kompleks bersepadu

Develop existing landfill sites as integrated complexes

21.1.4

Melaksanakan Pelan Induk Pengurusan Sisa Pepejal Negeri Perak (PISPEN) sebagai kerangka strategik negeri

Implement the Perak State Solid Waste Management Master Plan (PISPEN) as the state's strategic framework

21.1.5

Mengguna pakai teknologi ICT di peringkat PBT

Adopting ICT technology at the local government level

21.2.1

Melaksanakan pengasingan sisa di punca secara berperingkat

Implement waste separation at source in stages

21.2.2

Memperkukuh ekosistem kitar semula melalui penyediaan kemudahan komuniti dan bandar, Pembangunan industry kitar semula dan pelaksanaan pendekatan Extended Producer Responsibility (EPR)

Strengthening the recycling ecosystem through the provision of community and urban facilities, the development of the recycling industry and the implementation of the Extended Producer Responsibility (EPR) approach

21.2.3

Memperkukuh tadbir urus melalui penguatkuasaan PBT, Pembangunan model pembiayaan mampan dan pelaksanaan sistem pemantauan berasaskan data

Strengthening governance through local authority enforcement, development of sustainable financing models and implementation of data-based monitoring systems

TERAS 4 THRUST 4

PENGURUSAN SUMBER
JAYA MAMPAN
SUSTAINABLE RESOURCE
MANAGEMENT



Teras 4 memberi tumpuan kepada perlindungan dan pengurusan sumber semula jadi secara mampan bagi memperkukuh kelestarian alam sekitar, daya tahan wilayah dan kesejahteraan rakyat sehingga tahun 2040. Penekanan diberikan kepada pemeliharaan aset ekologi strategik, pengurusan risiko bencana, infrastruktur berdaya tahan serta adaptasi perubahan iklim melalui pendekatan berasaskan sains dan nature-based solutions (NbS). Pendekatan ini memastikan sumber semula jadi terus menyokong keselamatan air, biodiversiti, keterjaminan makanan dan pembangunan Negeri Perak yang lestari serta berdaya tahan.

Thrust 4 focuses on the protection and sustainable management of natural resources to strengthen environmental sustainability, regional resilience and community well-being through to 2040. Emphasis is placed on the conservation of strategic ecological assets, disaster risk management, resilient infrastructure, and climate change adaptation through science-based approaches and Nature-based Solutions (NbS). This approach ensures that natural resources continue to support water security, biodiversity conservation, food security, and the sustainable and resilient development of Perak State.

TERAS 4

THRUST 4

3 Dasar Strategik
Strategic Policy

10 Strategi Pelaksanaan
Implementation Strategies

39 Inisiatif Pelaksanaan
Implementation Initiatives

FOKUS UTAMA TERAS 4 THRUST 4 KEY FOCUS AREAS

RSA22



Pewartaan dan perlindungan spatial bersepadu

Integrated spatial protection and gazettelement

RSA23



Kualiti alam sekitar dan pengurusan sumber mampan

Environmental quality and sustainable resource management

RSA24



Adaptasi, mitigasi dan ketahanan komuniti

Climate adaptation, mitigation and community resilience

RSA22

MELINDUNG DAN MEMULIHARA ASET SEMULA JADI DENGAN PENGUATKUASAAN BERKESAN

3 SP 16 IP

PROTECTING AND CONSERVING NATURAL ASSETS WITH EFFECTIVE ENFORCEMENT

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

22.1

Memperkasakan Tadbir Urus Kawasan Sensitif Alam Sekitar (KSAS) Sebagai Aset Semula Jadi

Strengthening the Governance of Environmentally Sensitive Areas (ESAs) as Natural Assets

22.2

Menguatkan Perlindungan Hutan Simpanan Kekal

Strengthening the Protection of Permanent Forest Reserves

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

22.1.1

Mengguna pakai pendekatan kawalan pembangunan berasaskan kategori kawasan sensitif alam sekitar (KSAS) dan secara KSAS bersepadu
Adopting a development control approach based on environmentally sensitive area categories (ESA) and an integrated ESA

22.1.2

Memastikan pengurusan KSAS Tahap 1 dilaksanakan
Ensure that KSAS Level 1 management is implemented

22.1.3

Memastikan pengurusan KSAS Tahap 2 dilaksanakan
Ensure that KSAS Level 2 management is implemented

22.1.4

Memastikan pengurusan KSAS Tahap 3 dilaksanakan
Ensure that KSAS Level 3 management is implemented

22.1.5

Melaksanakan kajian lanjutan / cadangan Special Management Area (SMA)
Conducting further studies/proposals for Special Management Areas (SMA)

22.2.1

Mengekalkan dan meningkatkan litupan kawasan berhutan bagi mencapai 50% keluasan negeri
Maintaining and increasing forest cover to achieve 50% of the total land area of the state

22.2.2

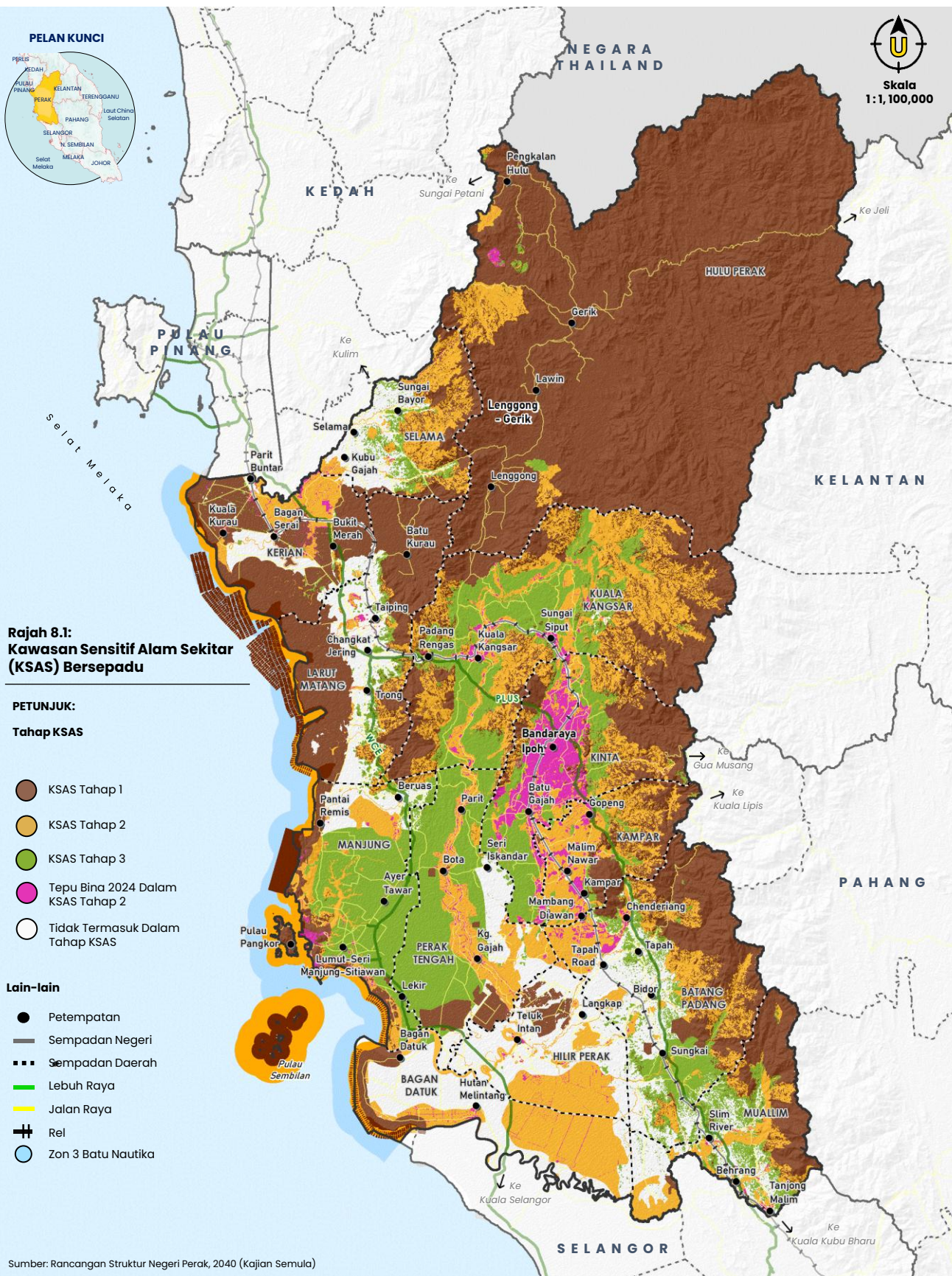
Menguatkan fungsi ekologi HSK Perlindungan
Strengthening the ecological functions of Protected Permanent Reserved Forest

22.2.3

Membangunkan sistem bersepadu bagi pemantauan, penguatkuasaan dan pengurusan HSK
Developing an integrated system for the monitoring, enforcement, and management of Permanent Reserved Forests

22.2.4

Memperkuh mekanisme pengurusan bersama HSK sebagai instrumen sokongan kepada penguatkuasaan dan pematuhan perundangan
Strengthening collaborative management mechanisms for Permanent Reserved Forests as a supporting instrument for enforcement and regulatory compliance.



STRATEGI PELAKSANAAN (SP)
IMPLEMENTATION STRATEGIES

22.3

Mengurus sisa pepejal secara bersepadu dan cekap melalui peningkatan tapak pelupusan sisa dan perkhidmatan kutipan sisa

Managing solid waste in an integrated and efficient through improved waste disposal facilities and waste collection services.

22.4

Menguatkan jaringan kawasan perlindungan (protected areas) dan memulihara kepelbagaian biologi

Strengthening the network of protected areas and conserving biodiversity.

22.5

Menguatkan perlindungan kawasan persisiran pantai dan marin

Strengthening the protection of coastal and marine areas

INISIATIF PELAKSANAAN (IP)
IMPLEMENTATION INITIATIVES

22.3.1

Mengekalkan danewartakan koridor bagi rangkaian ekologi CFS
Maintaining and gazeteting corridors for the Central Forest Spine (CFS) ecological network.

22.3.2

Memulihara koridor hidupan liar dengan mengurangkan fragmentasi habitat
Conserving wildlife corridors by reducing habitat fragmentation.

22.3.3

Mengintegrasikan pendekatan Nature-based Solutions (NbS) dalam pengurusan landskap
Integrating Nature-based Solutions (NbS) approaches into landscape management.

22.3.4

Memperkuatkan tadbir urus dan kerjasama rentas agensi dan komuniti
Strengthening governance and collaboration across agencies and communities.

22.4.1

Memperkuatkan jaringan kawasan perlindungan
Strengthening the network of protected areas

22.4.2

Menguatkan pengiktirafan dan pewartaan Taman Negeri Perak
Strengthening the recognition and gazettement of the Perak State Park

22.4.3

Menguatkan geopark Negeri Perak
Strengthening the geoparks of Perak State

22.4.4

Memperkuatkan zon perlindungan pendaratan penyu di Segari dan Pangkor dan tuntung laut di rezab sungai
Strengthening protection zones for turtle landing sites in Segari and Pangkor, as well as river reserve areas for river terrapins

22.4.5

Melaksanakan Pelan Tindakan Pemuliharaan Harimau Malaya Kebangsaan
Implementing the National Malaysian Tiger Conservation Action Plan

22.4.6

Menguruskan konflik hidupan liar-manusia yang lebih holistik
Managing human-wildlife conflicts in a more holistic manner

22.5.1

Memulihara dan meningkatkan daya tahan ekosistem marin
Conserving and enhancing the resilience of marine ecosystems

22.5.2

Mengawal dan mengurus pelancongan marin berasaskan daya tampung (carrying capacity)
Controlling and managing marine tourism based on carrying capacity

22.5.3

Mengurangkan pencemaran dan kawalan pembangunan kawasan persisiran pantai dan marin
Reducing pollution and controlling development in coastal and marine areas

22.5.4

Menyediakan Pelan Pengurusan Bersepadu IMMA Matang
Preparing an Integrated Management Plan for Matang IMMA

22.5.5

Mengadakan program pendidikan komuniti dan pengusaha pelancongan marin
Conducting educational programs for communities and marine tourism operators

RSA23

MEMPERKASAKAN DAYA TAHAN EKOLOGI DAN KEMAMPAHAN PENGURUSAN ALAM SEKITAR

2 SP 9 IP

STRENGTHENING ECOLOGICAL RESILIENCE AND ENVIRONMENTAL MANAGEMENT SUSTAINABILITY

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

23.1

Memantapkan sistem pemantauan bagi menjamin kualiti alam sekitar secara bersepadu

Strengthening monitoring systems to ensure integrated environmental quality

23.2

Memantapkan pengurusan perlombongan mineral secara mampan dan bertanggungjawab

Strengthening sustainable and responsible mineral mining management

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

23.1.1

Memantapkan pemantauan bersepadu kualiti air sungai, air muka sauk dan air bawah tanah
Strengthening integrated monitoring of river water quality, raw water, and groundwater quality

23.1.2

Mengukuhkan sistem amaran awal dan tindak balas pencemaran sumber air
Strengthening early warning systems and response mechanisms for water source pollution

23.1.3

Memantau dan mengurus kualiti udara dan bau
Monitoring and managing air quality and odour

23.1.4

Mengukuhkan kawalan sisa ke perairan negeri
Mengukuhkan kawalan sisa ke perairan negeri

23.1.5

Mengurus sisa pepejal dan pencegahan pencemaran sekunder
Managing solid waste and preventing secondary pollution

23.2.1

Memperkuh kerangka kawal selia perlombongan mineral
Strengthening the regulatory framework for mineral mining

23.2.2

Mengawal aktiviti perlombongan di ekosistem daratan, pesisiran pantai dan marin
Controlling mining activities in terrestrial, coastal, and marine ecosystems

23.2.3

Menjalankan audit EIA dan pematuhan kepada syarat kelulusan projek
Conducting EIA audits and ensuring compliance with project approval conditions

23.2.4

Mengadakan latihan dan kursus kepatuhan dan penglibatan pemegang taruh
Conducting training and courses on compliance and stakeholder engagement

RSA24

MENGURUS PERUBAHAN IKLIM DAN RISIKO BENCANA SECARA BERSEPADU

3 SP 6 IP

MANAGING CLIMATE CHANGE AND DISASTER RISKS IN AN INTEGRATED APPROACH

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

24.1

Pengarusperdaan adaptasi iklim dalam perancangan guna tanah

Integrating climate adaptation into land use planning

24.2

Meningkatkan kesiapsiagaan terhadap perubahan iklim, risiko bencana dan pasca bencana

Enhancing readiness for climate change, disaster risks, and post-disaster management

24.3

Memperkasakan pemulihan dan ketahanan komuniti pasca bencana

Strengthening post-disaster recovery and community resilience

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

24.1.1

Mengintegrasikan peta risiko bencana dan perubahan iklim (banjir, aliran puing, tanah runtuh, tanah jerlus, gempa bumi, tsunami, gelombang haba dan kenaikan aras laut)
Integrating disaster risk and climate change maps (floods, debris flows, landslides, sinkholes, earthquakes, tsunamis, heatwaves, and sea level rise)

24.1.2

Menambah Pusat Pemindahan Kekal (PPK) di kawasan berisiko bencana
Increasing Permanent Evacuation Centres (PPE) in disaster-prone areas

24.2.1

Memperkuh sistem amaran awal dengan pengurusan bencana dan perubahan iklim
Strengthening early warning systems for disaster and climate change management

24.2.2

Melaksanakan latihan simulasi bencana berkala
Conducting regular disaster simulation exercises

24.2.3

Memperkuh struktur komuniti sebagai barisan hadapan pengurusan risiko bencana dan perubahan iklim
Strengthening community structures as the frontline of disaster risk and climate change management

24.3.1

Menyokong pemulihan ekonomi komuniti
Supporting community economic recovery

TERAS 5 THRUST 5

SISTEM PENYAMPAIAN PERKHIDMATAN CEKAP

EFFICIENT SERVICE DELIVERY SYSTEM



Teras 5 memberi tumpuan kepada pengukuhan tadbir urus, pembiayaan, pemantauan dan pelaksanaan RS Negeri Perak 2040 (Kajian Semula) bagi memastikan setiap dasar dan inisiatif dilaksanakan secara berkesan sehingga tahun 2040. Penekanan diberikan kepada pemerkasaan PBT, pembangunan sistem pemantauan berasaskan prestasi, pengukuhan pembiayaan strategik serta pengurusan bank tanah negeri yang proaktif. Pendekatan ini memastikan RS Negeri Perak 2040 (Kajian Semula) berfungsi sebagai instrumen pelaksanaan pembangunan yang berfokus kepada pencapaian output, outcome dan impak sebenar terhadap pembangunan ekonomi, sosial dan spatial negeri.

Thrust 5 focuses on strengthening the governance, financing, monitoring and implementation mechanisms of the Perak State Structure Plan 2040 (Review) to ensure that every policy and initiative is effectively delivered through to 2040. Emphasis is placed on empowering Local Authorities (PBTs), developing performance-based monitoring systems, strengthening strategic financing frameworks, and proactively managing the state land bank. This approach ensures that the Perak State Structure Plan 2040 (Review) functions as an implementation-driven development instrument focused on achieving tangible outputs, outcomes and impacts on the state's economic, social and spatial development.

TERAS 5

THRUST 5

1

Dasar Strategik
Strategic Policy

6

Strategi Pelaksanaan
Implementation Strategies

13

Inisiatif Pelaksanaan
Implementation Initiatives

FOKUS UTAMA TERAS 5

THRUST 5 KEY FOCUS AREAS

RSA25



Mekanisme pelaksanaan, pemantauan dan penyelarasan Rancangan Struktur Negeri Perak 2040 (Kajian Semula)

Implementation, monitoring and coordination mechanisms for the Perak State Structure Plan 2040 (Review)

RSA25

MEMANTAPKAN PELAKSANAAN RANCANGAN STRUKTUR NEGERI PERAK 2040

3 SP 16 IP

STRENGTHENING THE IMPLEMENTATION OF THE PERAK STATE STRUCTURE PLAN 2040

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

25.1

Memperkuhkan tadbir urus berasaskan Perak Think Global dan Negeri Berprestasi Tinggi

Strengthening institutional capacity and fostering the Perak Think Global mindset among civil servants and communities

25.2

Memperkasakan PBT sebagai enjin pelaksanaan Negeri Berprestasi Tinggi

Empowering local authorities as the driving force for the implementation of a high-performing state

25.3

Mengukuhkan sistem pemantauan bersepadu berasaskan data dan prestasi

Strengthening integrated monitoring systems based on data and performance

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

25.1.1

Menginstitusikan Perak Think Global sebagai asas penilaian dan keputusan pembangunan negeri
Institutionalising Perak Think Global as the foundation for state development evaluation and decision-making

25.1.2

Melaksanakan sistem tadbir urus berasaskan prestasi melalui KPI bersepadu dan pemantauan berstruktur
Implementing a performance-based governance system through integrated KPIs and structured monitoring

25.1.3

Memperkuhkan kapasiti institusi dan pembudayaan pemikiran Perak Think Global dalam kalangan penjawat awam dan masyarakat
Strengthening institutional capacity and fostering the Perak Think Global mindset among civil servants and communities

25.2.1

Menstruktur semula PBT berasaskan prestasi, kapasiti dan fungsi wilayah
Restructuring local authorities based on performance, capacity, and regional functions

25.2.2

Memperkuhkan keupayaan operasi, kewangan dan digital PBT
Strengthening the operational, financial, and digital capabilities of local authorities

25.3.1

Menubuhkan dan mengoperasikan State Urban Observatory (SUO) sebagai platform pemantauan bersepadu
Establishing and operationalising the State Urban Observatory (SUO) as an integrated monitoring platform

STRATEGI PELAKSANAAN (SP) IMPLEMENTATION STRATEGIES

25.4

Melaksana projek keutamaan negeri secara berfokus pelaburan dan disokong tadbir urus bersepadu

Implementing priority state projects through targeted investment and supported by integrated governance

25.5

Menguatkan kerangka pembiayaan strategik bersepadu bagi menyokong pelaksanaan RSN dan kemampanan fiskal pihak berkuasa tempatan

Strengthening an integrated strategic financing framework to support the implementation of the Perak State Structure Plan and the fiscal sustainability of local authorities

25.6

Menguatkan sistem bank tanah strategik negeri bagi menyokong pelaksanaan RSN dan pembangunan mampan

Strengthening the state strategic land bank system to support the implementation of the Perak State Structure Plan and sustainable development

INISIATIF PELAKSANAAN (IP) IMPLEMENTATION INITIATIVES

25.4.1

Memperkuh pelaksanaan Projek Berimpak Tinggi (HIP) dan projek pemudah cara secara bersepadu dan berfasa

Strengthening the implementation of High Impact Projects (HIP) and enabler projects in an integrated and phased approach

25.5.1

Membangunkan kerangka pembiayaan strategik bersepadu berasaskan jenis projek, tahap kesiapsiagaan dan impak pelaburan

Developing an integrated strategic financing framework based on project type, level of readiness, and investment impact

25.5.2

Memperkuh peranan GLC negeri dan kerjasama sektor swasta sebagai pemacu pelaburan strategik negeri

Strengthening the role of state GLCs and private sector collaboration as drivers of strategic state investment

25.5.3

Memperkuh kedudukan kewangan PBT melalui pengoptimuman hasil, aset dan pengurusan kewangan berasaskan prestasi

Strengthening the financial position of local authorities through the optimisation of revenue, assets, and performance-based financial management

25.6.1

Mengoptimumkan pengurusan dan pelupusan tanah negeri secara strategik dan terkawal

Optimising the management and disposal of state land in a strategic and controlled manner

25.6.2

Memastikan ketersediaan tanah strategik melalui pewartaan rizab dan pengukuhan pegangan negeri

Ensuring the availability of strategic land through reserve gazettment and the strengthening of state ownership

25.6.2

Membangunkan sistem inventori dan pengurusan data tanah strategik

Developing an inventory system and strategic land data management

PROJEK KEUTAMAAN NEGERI PERAK 2040

PERAK PRIORITY PROJECTS 2040

Sebanyak 98 Projek Keutamaan dikenal pasti sebagai pemacu utama pelaksanaan RS Negeri Perak 2040 merangkumi projek berskala negeri dan daerah dalam pelbagai sektor strategik. Projek-projek ini menggabungkan pembangunan ekonomi, infrastruktur, utiliti dan kemudahan sokongan bagi memperkukuh daya saing, ketersambungan dan kesejahteraan negeri secara mampan sehingga tahun 2040.

A total of 98 Priority Projects have been identified as the main drivers for the implementation of the Perak State Strategic Plan 2040, comprising state and district-scale projects in various strategic sectors. These projects combine economic development, infrastructure, utilities and support facilities to strengthen the competitiveness, connectivity and well-being of the state sustainably until 2040.



STATISTIK PROJEK KEUTAMAAN 2040 | PRIORITY PROJECTS STATISTICS 2040



8

PROJEK BERIMPAK
TINGGI NEGERI

State High
Impact Projects



49

PROJEK BERIMPAK
TINGGI DAERAH

District High
Impact Projects



12

PROJEK PEMUDAHCARA
STRATEGIK

Strategic Enabler
Projects



29

KAJIAN, PELAN INDUK
DAN AKAUN SATELIT

Studies, Plans &
Satellite Accounts



98

JUMLAH PROJEK
Total Projects

PROJEK BERIMPAK TINGGI

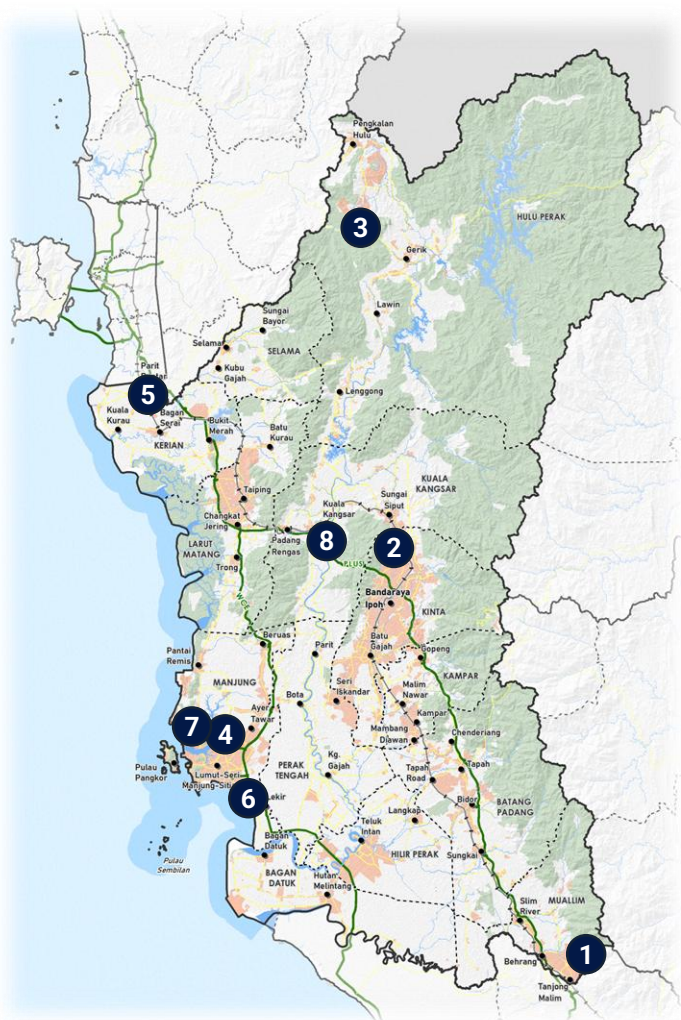
HIGH IMPACT PROJECTS (HIP)

8 PROJEK BERIMPAK TINGGI NEGERI

STATE HIGH IMPACT PROJECTS

Projek strategik yang memacu transformasi ekonomi negeri melalui pembangunan sektor strategik, pelaburan berimpak tinggi dan nod pertumbuhan wilayah menjelang 2040.

Strategic projects that drive the state's economic transformation through the development of strategic sectors, high-impact investments and regional growth nodes by 2040.



1

**Automotive
Hi-Tech Valley
(AHTV)**
Muallim

2

**Silver Valley
Technology
Park (SVTP)**
Kinta

3

**Pelombongan
Lanthanide
(REE)**
Hulu Perak

4

**Lumut Maritime
Industrial City
(LuMIC)**
Manjung

5

**Kerian
Integrated
Green
Industrial Park
(KIGIP)**
Kerian

6

**Perak Halal
Industrial
Park
(PHIP)**
Manjung

7

**Projek Terminal
Penggasan
Semula Ketiga
(RGT3)**
Manjung

8

**Bandar Diraja
Warisan
Negeri Perak
(BDWNP)**
Kuala Kangsar

PROJEK BERIMPAK TINGGI DAERAH

DISTRICTS HIGH IMPACT PROJECTS

49

PROJEK BERIMPAK TINGGI DAERAH

DISTRICTS HIGH IMPACT PROJECTS

Sebanyak 49 Projek Berimpak Tinggi Daerah dikenal pasti sebagai pemacu ekonomi setempat yang memperkukuh pembangunan wilayah berdasarkan kelebihan kompetitif setiap daerah. Projek-projek ini berpotensi mewujudkan peluang pekerjaan, merangsang aktiviti ekonomi tempatan serta mengukuhkan sektor strategik seperti agro, pelancongan, industri, logistik, tenaga dan pembangunan bandar.

A total of 49 District High Impact Projects have been identified as local economic drivers that strengthen regional development based on each district's competitive advantages. These projects have the potential to create job opportunities, stimulate local economic activities and strengthen strategic sectors such as agro, tourism, industry, logistics, energy and urban development.

Daerah Kinta (7 projek)

1. Pembangunan Ipoh Sentral
2. Hab Industri Kreatif Warisan Bandar Ipoh
3. Galeri Warisan Alam Perak
4. Hospital Baru Raja Permaisuri Bainun 2
5. Hab Komuniti Bersepadu Negeri Bandaraya Ipoh
6. Pusat Kesejahteraan Warga Emas Bandaraya Ipoh
7. Menaiktaraf Hospital Batu Gajah kepada Hospital Pakar Minor

Daerah Manjung (3 projek)

8. Pekan Pangkor Pusat Ekonomi Bebas Cukai
9. Viewing deck Bukit Pangkor
10. Hab Komuniti Wilayah Perak Perdana, Manjung

Daerah Larut Matang (3 projek)

11. Kuala Sepetang Mangrove Biosphere
12. Hab Komuniti Wilayah AgroNexus Perak, Taiping
13. Pusat Kesejahteraan Warga Emas Taiping

Daerah Selama (3 projek)

14. Institusi Pengajian Tinggi (IPT)
15. Pelancongan Sukan Lasak Trans-Bintang
16. Kluster Teluk Mas – Sungai Siputeh (Akuakultur - Udang Air Gunung)

Daerah Kuala Kangsar (3 projek)

17. Taman Agroteknologi Manong
18. Laluan Keretapi Pelancongan Jambatan Victoria–Karai
19. Kampung Pelancongan Orang Asli Kuala Mu - Beswok

Daerah Hilir Perak (5 projek)

20. Taman Perindustrian Changkat Jong
21. Pembangunan Bercampur Sime Darby
22. Cadangan Kluster Industri Halal
23. Hab Komuniti Bersepadu Negeri Wilayah Paksi Selatan, Teluk Intan
24. Pusat Kesejahteraan Warga Emas Teluk Intan

Daerah Bagan Datuk (5 projek)

25. Taman Perindustrian Perikanan Antarabangsa
26. Pusat Data Bagan Datuk
27. Bandar Baru Bagan Datuk
28. Taman Perindustrian Bagan Datuk
29. Hospital Daerah Bagan Datuk

Daerah Kerian (2 projek)

30. Projek Pembangunan Bercampur Bandar Baru Dennistown
31. Peningkatan Hasil Akuakultur

Daerah Muallim (1 projek)

32. Taman Perindustrian KLK TechPark

Daerah Perak Tengah (3 projek)

33. Lembah Ruminan Pedaging
34. Pelancongan Pesisir Sungai Perak
35. Kampung Pelancongan Budaya Pulau Misa

Daerah Kampar (3 projek)

36. Kampung Pelancongan Ekowarisan Gopeng
37. Pusat Kesejahteraan Warga Emas Kampar
38. Hospital Baru Kampar

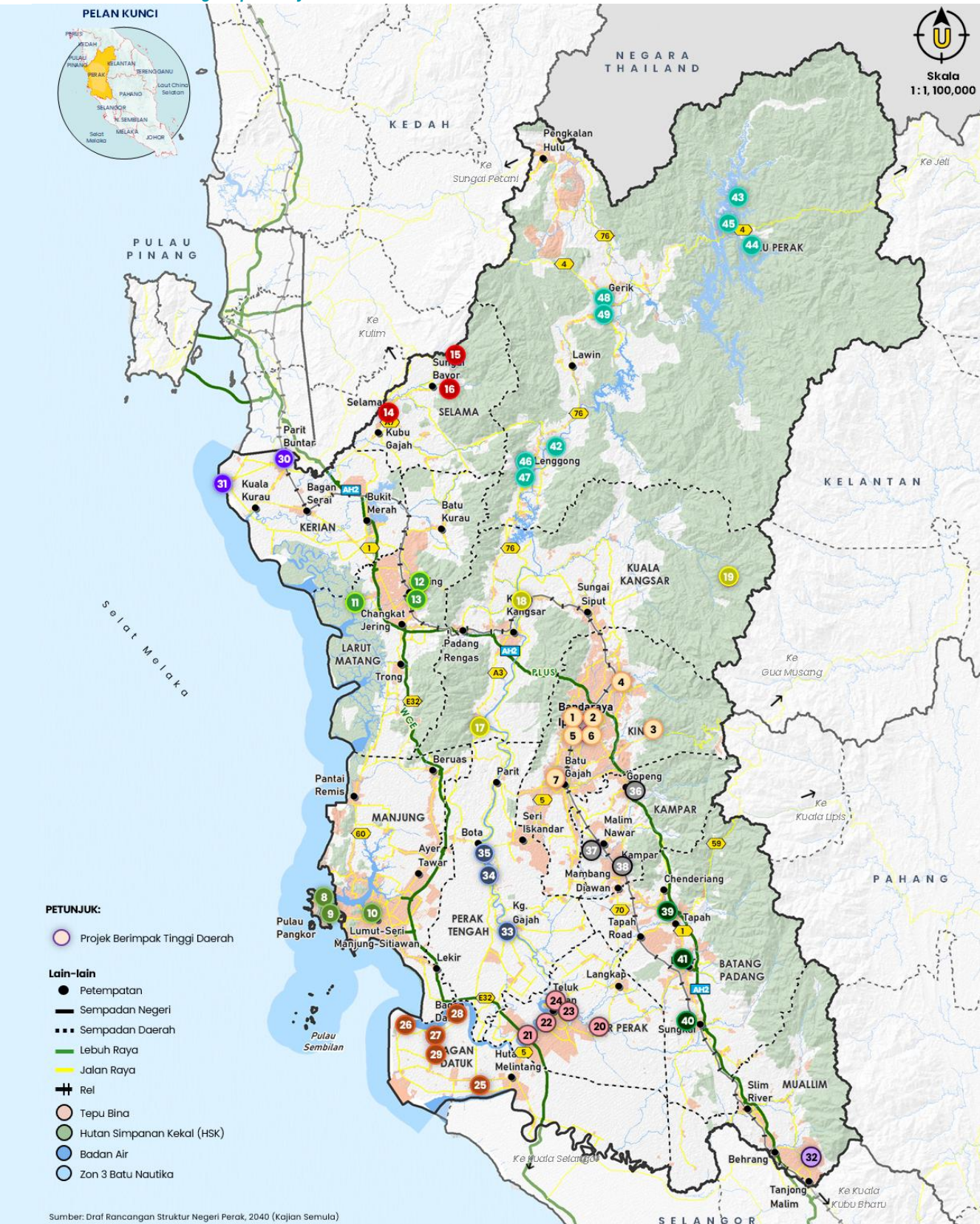
Daerah Batang Padang (3 projek)

39. ASEAN Agrotech Distribution Center
40. Pemindahan Kem Batu Kentonmen
41. National Automotive Testing Centre (NATC)

Daerah Hulu Perak (8 projek)

42. Agro Mix Farm Sungai Soh
43. Pusat Interpretasi Taman Negeri Royal Belum
44. Galeri Orang Asli Air Banun
45. Fasiliti Pelancongan Bertaraf Dunia di Taman Negeri Royal Belum
46. Pembangunan Infrastruktur Pelancongan Warisan Arkeologi Lembah Lenggong
47. Kampung Pelancongan Ekowarisan Lenggong
48. Menaik taraf Hospital Gerik kepada Hospital Pakar Minor
49. Hab Komuniti Wilayah EkoWarisan Perak⁶⁶

Location of District High Impact Projects



PROJEK PEMUDAHCARA STRATEGIK

STRATEGIC ENABLER PROJECTS

12

PROJEK PEMUDAHCARA STRATEGIK STRATEGIC ENABLER PROJECTS

Projek Pemudahcara Strategik Negeri berfungsi sebagai backbone infrastructure yang memperkukuh ketersambungan, integrasi wilayah dan kecekapan sistem pembangunan negeri. Melalui penyediaan rangkaian jalan, rel, utiliti dan bekalan air strategik, projek-projek ini menyokong pelaksanaan Projek Berimpak Tinggi serta mempercepat pertumbuhan ekonomi dan pembangunan spatial Negeri Perak.

The State Strategic Facilitation Projects function as the backbone infrastructure that strengthens the connectivity, regional integration and efficiency of the state's development system. Through the provision of strategic road, rail, utility and water supply networks, these projects support the implementation of High Impact Projects and accelerate the economic growth and spatial development of the State of Perak.

06 PROJEK NAIK TARAF JALAN ROAD UPGRADING PROJECTS

1 Menaik taraf Jalan Persekutuan 5 (Ipoh - Lumut)
Upgrade Federal Road 5 (Ipoh - Lumut)

2 Menaik taraf Jalan Persekutuan 1 (Ipoh-Kampar)
Upgrade Federal Road 1 (Ipoh - Kampar)

3 Menaik taraf Jalan Persekutuan 4
*Upgrade Federal Road 4
(Kupang, Kedah – Tanah Merah, Kelantan melalui Gerik)*

4 Menaik taraf Jalan Persekutuan 185
*Upgrade Federal Road 185
(Simpang Pulai, Perak – Gua Musang, Kelantan)*

5 Menaik taraf Jalan Persekutuan 4/ Jalan Persekutuan 76
*Upgrade Federal Road 4/ 76
(Lebuhraya Butterworth – Kulim, Simpang Kulim Hi Tech – Kuala Kangsar)*

6 Persimpangan baharu Lebuhraya Utara - Selatan (PLUS) di KM 178.3 dan jalan baharu melalui Jalan Negeri A277 ke Laluan Persekutuan FT001 di Seksyen 710.0
New North-South Expressway (PLUS) Interchange at KM 178.3 and new road via State Road A277 to Federal Route FT001 at Section 710.0

04 PROJEK LEBUH RAYA BAHARU NEW HIGHWAYS PROJECTS

7 Lebuhraya Koridor Utara (NCH)
North Corridor Highway

8 Lebuhraya Span Ipoh Barat (WISE)
West Ipoh Span Highway

9 Lebuhraya Tanjung Malim – Lumut
Tanjung Malim- Lumut Highway

10 Lebuhraya Pantai Remis – Parit – Kinta
Pantai Remis- Parit- Kinta Highway

PROJEK INFRASTRUKTUR AIR WATER INFRASTRUCTURE PROJECT

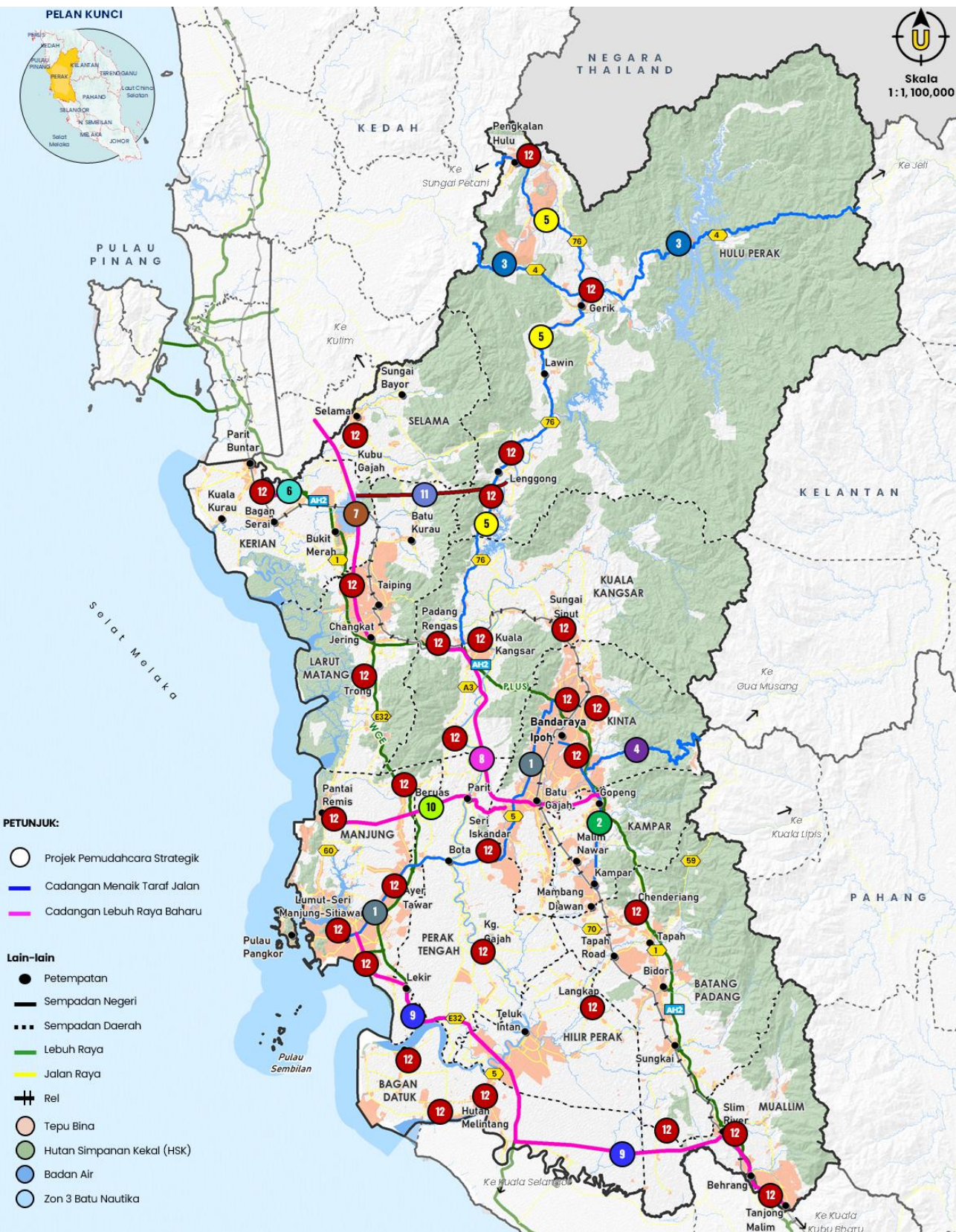
11 Projek Water Transfer Skim Bekalan Air Perak
Perak Water Supply Scheme Water Transfer Project

PROJEK PERUMAHAN HOUSING PROJECT

12 Pembangunan Baharu Rumah Mampu Milik (RMM)
New affordable housing development

Lokasi Projek Pemudah Cara Strategik

Strategic Enablers Projects



KAJIAN, PELAN INDUK DAN AKAUN SATELIT

RESEARCH, MASTER PLAN AND SATELITE ACCOUNTS

29

KAJIAN, PELAN DAN AKAUN SATELIT *RESEARCH, PLAN AND SATELITE ACCOUNTS*

Kajian dan pelan strategik ini berperanan memperkukuh kebolehlaksanaan dan kebolehdanaan projek, menyokong perancangan yang lebih sistematik, mempertingkatkan tadbir urus berasaskan data serta meningkatkan ketahanan dan kelestarian pembangunan negeri dalam menghadapi cabaran masa hadapan.

This study/ research and strategic plan serves to strengthen the feasibility and fundability of projects, support more systematic planning, enhance data-based governance and increase the resilience and sustainability of state development in facing future challenges.

21

Kajian Lanjutan *Advanced Studies*

Merangkumi kajian dalam sektor pengangkutan, infrastruktur dan utiliti, alam sekitar, pertanian serta kajian strategik negeri

Covers studies in the transportation, infrastructure and utility sectors, environment, agriculture as well as state strategic studies

6

Pelan Induk *Master Plan*

Merangkumi kajian dalam sektor alam sekitar, saliran dan pengurusan sisa pepejal

Covers studies in the environmental, drainage and solid waste management sectors

2

Akaun Satelit *Satellite Accounts*

Merangkumi akaun satelit sektor perhutanan dan perlombongan

Includes satellite accounts for the forestry and mining sectors



