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NEGERI SEMBILAN
Scale 1 : 146 000
0 5 10Km
ASPIRING MELAKA GEOPARK FUN MAP
ALOR GAJAH
MELAKA TENGAH
BANDAR MELAKA
JASIN
JOHOR
STRAIT OF MALACCA
Alor Gajah
Jasin
Malacca International Airport
Durian Tunggal Dam Reservoir
Jus Dam Reservoir
Melaka Pindah
Simpang Ampat Interchange
Ayer Keroh Interchange
Jasin Interrchange
Melaka Marine Park
Tanjung Tuan Recreational Forest
Tg. Agas
Tg. Bkt. Supai
Tg. Che' Awar
Tg. Serai
Tg. Merian Patok
Kuala Linggi
Tanjung Dahan
Tanjung Keramat
Tanjung Bidara
Tanjung Puteri
Tg. Panchor
Lubok China
Sg. Siput
Brisu
Simpang Ampat
Pulau Sebang
Batang Melaka
Nyalas
Asahan
Bukit Senggeh
Selandar
Ramuan China Besar
Kuala Sg. Baru
Masjid Tanah
Lendu
Ayer Pa' Abas
Simpang Kelemak
Mackap Umboo
Mackap Baru
Rembia
Paya Rumput
Sungai Udang
Cheng
Durian Tunggal
Kesang Pajak
Chabau
Simpang Kerayong
Chin Chin
Bandar Jasin Bestari
Bemban
Tangga Batu
Bukit Rambai
Bertam Malim
Batu Berendam
Klebang Besar
Tg. Kling
Limbongan
Ayer Molek
Kandang
Sempang Bugis
Tg. Ketapang
Serkam
Sempang
Tedong
Merlimau
Sebatu
Batu Gajah
Sungai Rambai
Semujuk
Legend
Expressway
Other Road
KTM Route
Toll Plaza
Expressway Route Number
Interchange Number
State Boundary
District Boundary
Town
District Capital
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ASPIRING MELAKA GEOPARK FUN MAP

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Aspiring Melaka Geopark Melaka Geopark www.melakageopark.com

1 Tanjung Tuan Schist and Quartz Dyke



Tanjung Tuan is a coastal landscape composed of ancient metamorphic rocks known as schist. This area is highly unique as it showcases various geological structures such as faults, folds, quartz veins, and vertical joints. These features offer exceptional aesthetic and scientific value, making it an excellent natural laboratory for studying structural geology and earth sciences.

Geological Diversity | Rocks Landscapes, Minerals and Geological Structure | Metamorphic Rock

2 Beting Beras Basah Ferricrete



Beting Beras Basah is a coastal area featuring metasedimentary rocks that have undergone heavy weathering, forming iron-rich soil layers (laterite/ferricrete). This geosite is highly valuable for studying exogenic geological processes, particularly surface weathering and soil formation.

Geological Diversity | Rocks Landscapes | Laterite

3 Pengkalan Balak Beach Landscape



The Pengkalan Balak Beach geosite is a popular coastal strip featuring fine sandy beaches and unique coastal erosion features. The expansive beach and scenic views make it a top destination for relaxation, while the rocky outcrops along the shore provide excellent subjects for geological photography.

Landform Diversity | Rocks Landscapes | Igneous Rock

4 Tanjung Bidara Batu Mandi Xenolith



This geosite is characterized by the presence of a xenolith, which is a foreign rock fragment trapped within a larger igneous rock body. The geological feature visible here is a dark-colored xenolith (metasediment) enclosed within a light-colored granite matrix, forming an outstanding visual contrast.

Geological Diversity | Rocks Landscapes | Igneous Rock

5 Cerana Putih Hot Springs



Located in the Alor Gajah district, this natural hot spring is aniother manifestation of the region's geothermal activity. The spring water bubbles up through fractures in the granite bedrock, serving as a unique local geological attraction.

Geological Process Diversity | Rocks Landscapes | Igneous Rock

6 Gadek Hot Springs



Similar to Jasin, the Gadek Hot Springs are formed by geothermal heating within the regional granite bedrock. The facility has been developed into a well-managed wellness park, attracting visitors looking for the health benefits of natural mineral-rich hot water.

Geological Process Diversity | Rocks Landscapes | Igneous Rock

7 Bukit Sedanan Artificial Lake



This artificial lake is a repurposed water body that now serves as a scenic recreational park. The lake and its surrounding hills are ideal for family activities, team building, and nature walks, featuring an eco-trail known as the "Hiking Trail" that winds through the lush secondary forest.

Landform Diversity | Rocks Landscapes | Igneous Rock

8 Anthropogenic Durian Tunggal Dam Reservoir



This is another major man-made reservoir that plays a vital role in Melaka's water management. The surrounding area features highly weathered soil profiles and provides an excellent location for studying watershed conservation.

Anthropogenic Diversity | Rocks Landscapes | Laterite

9 Anthropogenic Jus Dam Reservoir



The Jus Dam is a massive man-made reservoir constructed to secure the state's water supply. Nestled among rolling granite hills, this geosite demonstrates the interaction between human engineering, hydrology, and the natural landscape.

Anthropogenic Diversity | Rocks Landscapes | Laterite

10 Batang Melaka Bukit Gapis Granite Landscape



This geosite features a granite landscape shaped by millions of years of tectonic activity and weathering. The granite formations here belong to the Main Range Granite suite and showcase a variety of landforms, including valleys, streams, and rolling hills, offering great potential for eco-tourism.

Landform Diversity | Rocks Landscapes | Igneous Rock

11 Batang Melaka Waterfall



This waterfall is formed within medium-grained granite bedrock, where the water cascades down a staircase-like rock configuration. These step-like formations are created by a combination of horizontal and vertical joints (natural fractures). This geosite holds high aesthetic value due to the scenic blend of cascading water, unique rock structures, and the surrounding lush forest ecosystem.

Geological Diversity | Rocks Landscapes | Igneous Rock

12 Bukit Batu Lebah Granite Tor



Bukit Batu Lebah is an exceptional geosite featuring massive, stacked granite boulders (tors). These structures are formed through deep-seated weathering followed by the erosion of surrounding soil, leaving the giant rocks balanced on top of one another. The area is also rich in biodiversity and local folklore.

Landform Diversity | Rocks Landscapes | Igneous Rock

13 Jasin Hot Springs



The Jasin Hot Springs are natural thermal springs fed by deep geothermal systems. The groundwater is naturally heated by deep-seated granite bodies before rising to the surface, making it a highly popular spot for wellness and therapeutic recreation.

Geological Process Diversity | Rocks Landscapes | Igneous Rock

14 Anthropogenic Former Chin Chin Lake Mine



This geosite is an anthropogenic (man-made) lake created from a former tin mine. The lake and its surrounding remnants serve as a historical testament to the region's rich mining heritage and offer great insights into post-mining land rehabilitation.

Anthropogenic Diversity | Rocks Landscapes | Laterite

15 Sungai Rambai Ancient Shell Fossil Geosite / Geomorphology



This highly important geosite features ancient marine shell fossils embedded within inland sediment layers. This discovery provides crucial scientific evidence that this inland area was once submerged under the sea thousands of years ago, making it invaluable for studying paleoclimate and sea-level changes.

Landform Diversity | Rocks Landscapes | Quaternary

16 Pulau Menatang Abrasion Platform / Laterite



This geosite highlights a coastal abrasion platform formed by continuous wave erosion. The flat rock surface exhibits rich laterite layers, creating an attractive reddish-brown color scheme that contrasts beautifully with the blue sea.

Landform Diversity | Rocks Landscapes | Laterite

17 Pulau Hanyut Granite



Pulau Hanyut is dominated by granite, specifically blocky granite formations. A notable feature of this island is its wave-cut / abrasion platform, which becomes fully exposed during low tide. The rock surface showcases distinct geological features, including xenoliths (host rock fragments trapped inside the granite) and aplite veins cutting across the main granite body.

Geological Diversity | Rocks Landscapes | Igneous Rock

18 Pulau Dodol Granite



Pulau Dodol is a tiny island characterized by blocky granite formations. A unique geological feature here is the sheet jointing structure, where the granite splits into thin, parallel layers. These layers are stacked neatly, creating a distinctive look that adds to its scientific and aesthetic value.

Landform Diversity | Rocks Landscapes | Igneous Rock

19 Pulau Nangka Granite



Pulau Nangka features a granite coastal landscape with exceptional aesthetic value. The granite rocks here have undergone extensive weathering, creating a stunning arrangement of giant boulders (tors) along the shore. The island also boasts pristine sandy beaches, making it a highly scenic spot.

Landform Diversity | Rocks Landscapes | Igneous Rock

20 Pulau Undan Granite Tor



Pulau Undan is the outermost island in the Melaka Geopark area. It features spectacular granite boulders (tors) stacked along the coast, formed by long-term weathering and coastal erosion. The island also displays interesting magmatic structures such as xenoliths, aplite veins, and mineral alignments within the granite blocks.

Landform Diversity | Rocks Landscapes | Igneous Rock

21 Bukit Beruang Jelebu Schist



Bukit Beruang is an isolated hill composed of metamorphic rock (Jelebu Schist), which contains minerals like quartz, mica, and chlorite. The hill serves as a vital green lung for the city and acts as an urban recreational forest popular among hikers and nature lovers.

Landform Diversity | Rocks Landscapes | Metamorphic Rock

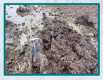
22 Anthropogenic Former Pulau Upeh Laterite Quarry



Pulau Upeh features a historical laterite quarry that was heavily utilized during the Melaka Sultanate and colonial eras. The laterite blocks quarried here were used to construct historic fortresses and buildings in Melaka city. The site holds immense historical, cultural, and geological significance.

Anthropogenic Diversity | Rocks Landscapes | Laterite

23 Pulau Panjang Granite



Pulau Panjang is dominated by a coastal granite landscape featuring heavy laterite weathering. The granite here is mostly coarse-grained and forms blocky coastlines. Laterite rock formations along the beach add high aesthetic value to the island's landscape.

Landform Diversity | Rocks Landscapes | Laterite

24 Bukit Larang Amphibolite Schist



The Bukit Larang Amphibolite Schist geosite is situated in the Bukit Larang, Telok Emas, Melaka. The rock formation exposed here is historically linked to the Western Bending Axis Zone. The amphibolite schist rock exhibits varying degrees of metamorphism, indicating a complex transition from dark-colored ancient oceanic rocks to its current form.

Geological Diversity | Rocks Landscapes | Metamorphic Rock

25 Anthropogenic Former Pulau Peringgi Laterite Quarry



Similar to Pulau Upeh, this geosite is a former laterite quarry on the mainland. It provides crucial evidence of how early builders extracted local stone for construction, blending geology with human history.

Anthropogenic Diversity | Rocks Landscapes | Laterite

26 Anthropogenic Pulau Burong Laterite Quarry



Pulau Burong is a small rocky island featuring extensive laterite rock formations. The island shows clear signs of historical stone-cutting activities, offering a window into ancient resource extraction methods used in the region.

Anthropogenic Diversity | Rocks Landscapes | Laterite

27 Pulau Lalang Granite



Pulau Lalang is dominated by medium- to coarse-grained granite. The landscape features a distinct aplite vein cutting across the granite body, forming a highly unique coastal geological view.

Geological Diversity | Rocks Landscapes | Igneous Rock

28 Pulau Besar Aplite



Pulau Besar is an island cluster steeped in legends, history, and unique geological elements. The foundational rock here is granite, which is intersected by igneous rock intrusions known as aplite. A highly unique geological feature found here is the aplite weathering structure that resembles a turtle shell (turtle-back weathering). There are also granite caves formed naturally by the accumulation of massive granite boulders.

Geological Diversity | Rocks Landscapes | Igneous Rock

29 Pulau Serimbun Granite



This island is formed by blocky formations of medium-grained granite. Along the coast, there are unique mineral veins containing quartz and garnet. The quartz appears whitish-purple, while the garnet crystals are reddish-brown, primarily occurring in small clusters with a grain size of about 2.0 mm.

Geological Diversity | Rocks Landscapes | Igneous Rock



----- LEGEND -----

I Alor Gajah District
II Jasin District
III Melaka Tengah District

Classification
Physical Of Geosites

" PRESERVING NATURE, CELEBRATING HERITAGE "