

Tree Report of
30810



Genus
Adenanthera

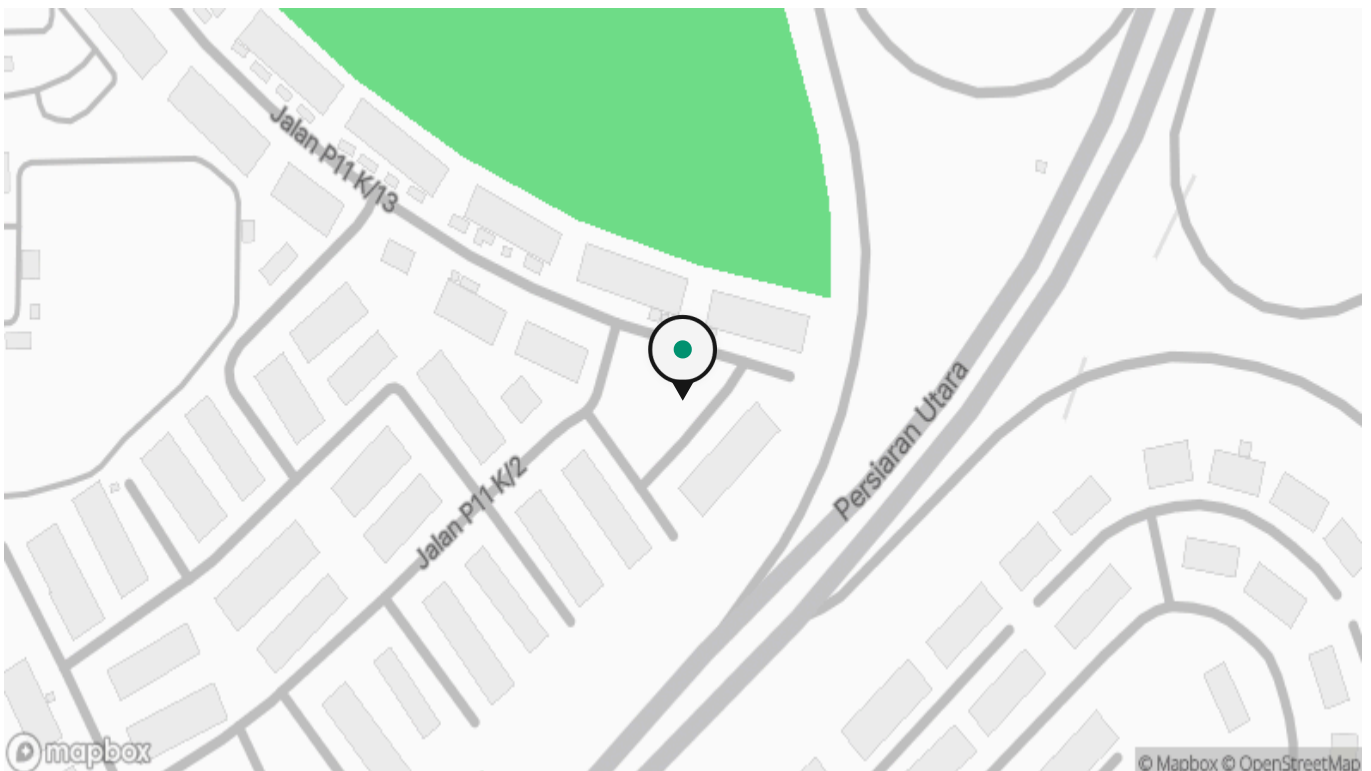
Species
pavonina

Common Name
Saga Daun Tumpul

Date of report
1st April, 2026

Address
Jalan P11 K/12

Position
2.9496219310216105, 101.68099880738504



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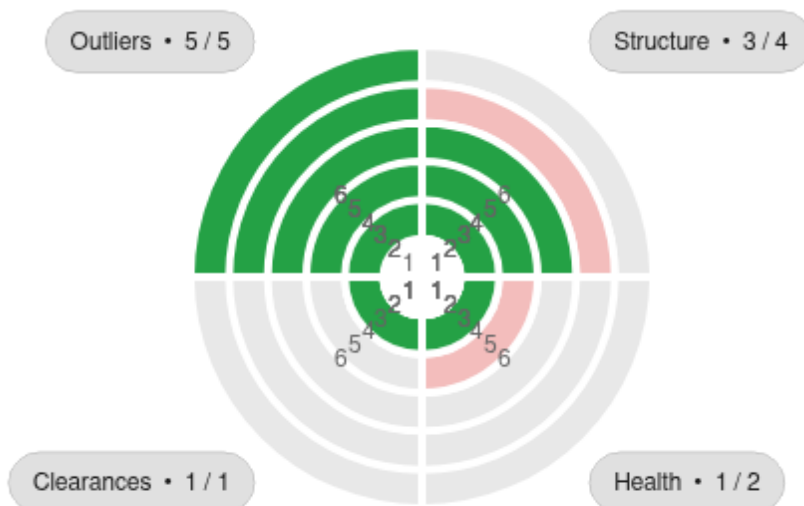
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Structural assessment

- ✗ Trunk stability (base)
- ✓ Crown Lean Angle
- ✓ Slenderness
- ✓ Dieback

Health & Vitality

- ✓ Dieback
- ✗ Foliage Transparency

Clearances

- ✓ Road

Outliers

- ✓ DBH vs Leaf Area
- ✓ Height vs Crown Volume
- ✓ DBH vs Height
- ✓ Leaf Area vs Crown Volume
- ✓ DBH vs Crown Volume

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Dimensions

Total Height	Very high	19.32 m	Crown Spread	Very large	11.73 m
Trunk Height	Very high	4.1 m	Tree Protection Zone	Very large	5.05 m
DBH	Very large	0.43 m	Root Protection Zone	Very large	7.58 m
Crown Height	Very large	15.81 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	High	45.92	Crown Lean Angle	Very high	24.61 °
Trunk Stability Index		0.52	Trunk Lean Angle	Very high	14.25 °
Critical Wind Speed		50 kmh			

Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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Health and vitality

Condition & Vigor

Dieback	Low	3.15%	Foliage Transparency		39.33%
Basal Area Increment		-	Leaf Area	Very large	716.19 m ²
NDVI		-	Leaf Area Index	High	7.82

Foliage

Leaf Area Density	Low	0.71 m ² /m ³	Live Crown Ratio	High	81.84%
Crown Volume	Very large	1,014.1 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.3 m ³ /yr	Evaporation	Very high	5.17 m ³ /yr
Potential Evapotranspiration	Very high	31.88 m ³ /yr	Transpiration	Very high	6.12 m ³ /yr
Water Intercepted	Very high	5.2 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	614.37 kg	CO Removal	Very high	11.55 g/yr
Carbon Sequestration	Very high	64.59 kg/yr	NO ₂ Removal	Very high	45.62 g/yr
Oxygen Production	Very high	170.67 kg/yr	O ₃ Removal	Very high	549.79 g/yr
PM _{2.5} Removal	Very high	28.71 g/yr	SO ₂ Removal	Very high	98.42 g/yr

Economical value

Cavat Value **ery valuabl** 6,112.62 £

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Adenantha

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Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	No	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Low 0
Trunk Diameter / Crown Volume	No		

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Clearances

Building Clearance

Not available

Road Clearance

No issue

Wire Clearance

Not available

Traffic Sign Clearance

Not available

Visibility Clearance

Not available

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