

Tree Report of
30412



Genus
Khaya

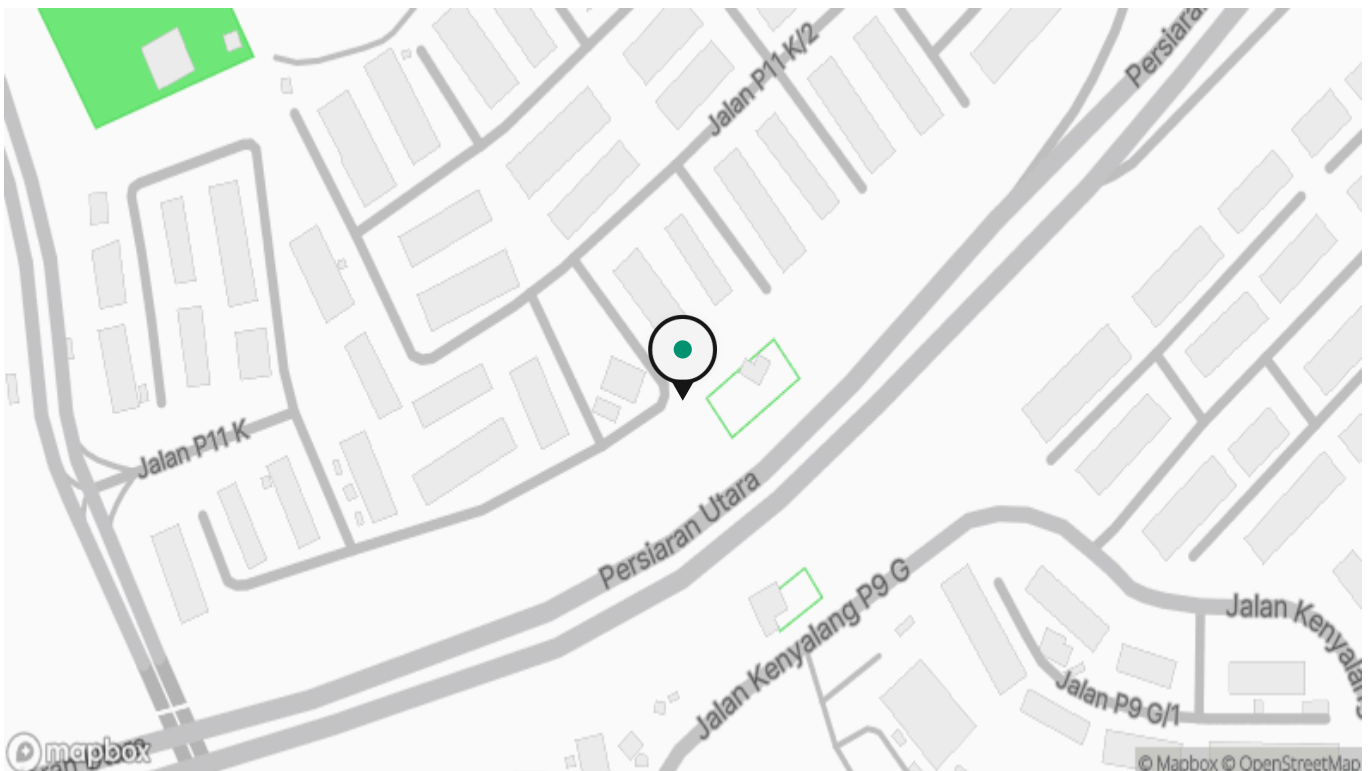
Species
senegalensis

Common Name
Sengal khaya

Date of report
16th March, 2026

Address
Jalan P11 K/5

Position
2.9479782950024003, 101.67971144511277



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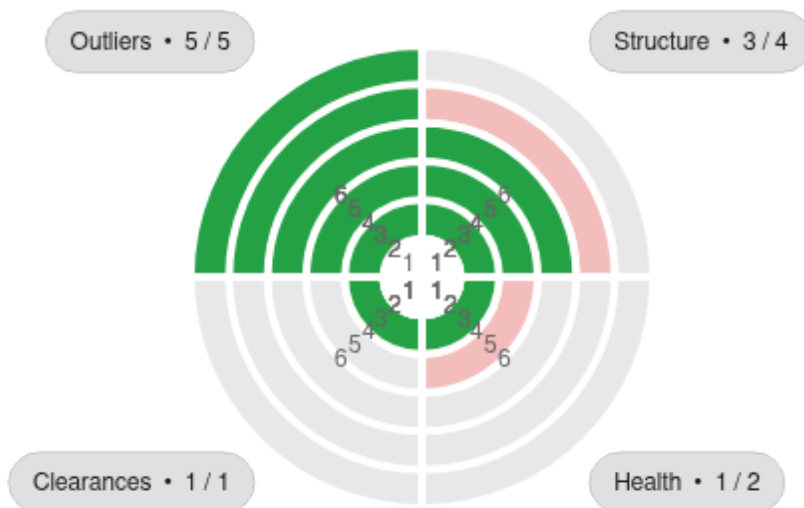
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Structural assessment

- ✗ 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	21.39 m	Crown Spread	Very large	10.88 m
Trunk Height	Very high	3.86 m	Tree Protection Zone	Very large	8.03 m
DBH	Very large	0.67 m	Root Protection Zone	Very large	12.04 m
Crown Height	Very large	13.43 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Medium	32	Crown Lean Angle	High	9.43 °
Trunk Stability Index		1.45	Trunk Lean Angle	High	5.58 °
Critical Wind Speed		80 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	0%	Foliage Transparency	33.75%
Basal Area Increment	-	-	Leaf Area	Very large 1,282.03 m ²
NDVI	-	-	Leaf Area Index	Very high 13.95

Foliage

Leaf Area Density	Low	1.19 m ² /m ³	Live Crown Ratio	Medium 62.79%
Crown Volume	Very large	1,080.44 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.26 m ³ /yr	Evaporation	Very high	4.45 m ³ /yr
Potential Evapotranspiration	Very high	27.44 m ³ /yr	Transpiration	Very high	5.27 m ³ /yr
Water Intercepted	Very high	4.48 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	2,536.46 kg	CO Removal	Very high	9.94 g/yr
Carbon Sequestration	Very high	128.24 kg/yr	NO ₂ Removal	Very high	39.26 g/yr
Oxygen Production	Very high	338.87 kg/yr	O ₃ Removal	Very high	473.16 g/yr
PM _{2.5} Removal	Very high	24.71 g/yr	SO ₂ Removal	Very high	84.7 g/yr

Economical value

Cavat Value **ery valuabl** 15,463.42 £

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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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