

Tree Report of
30859



Genus
Khaya

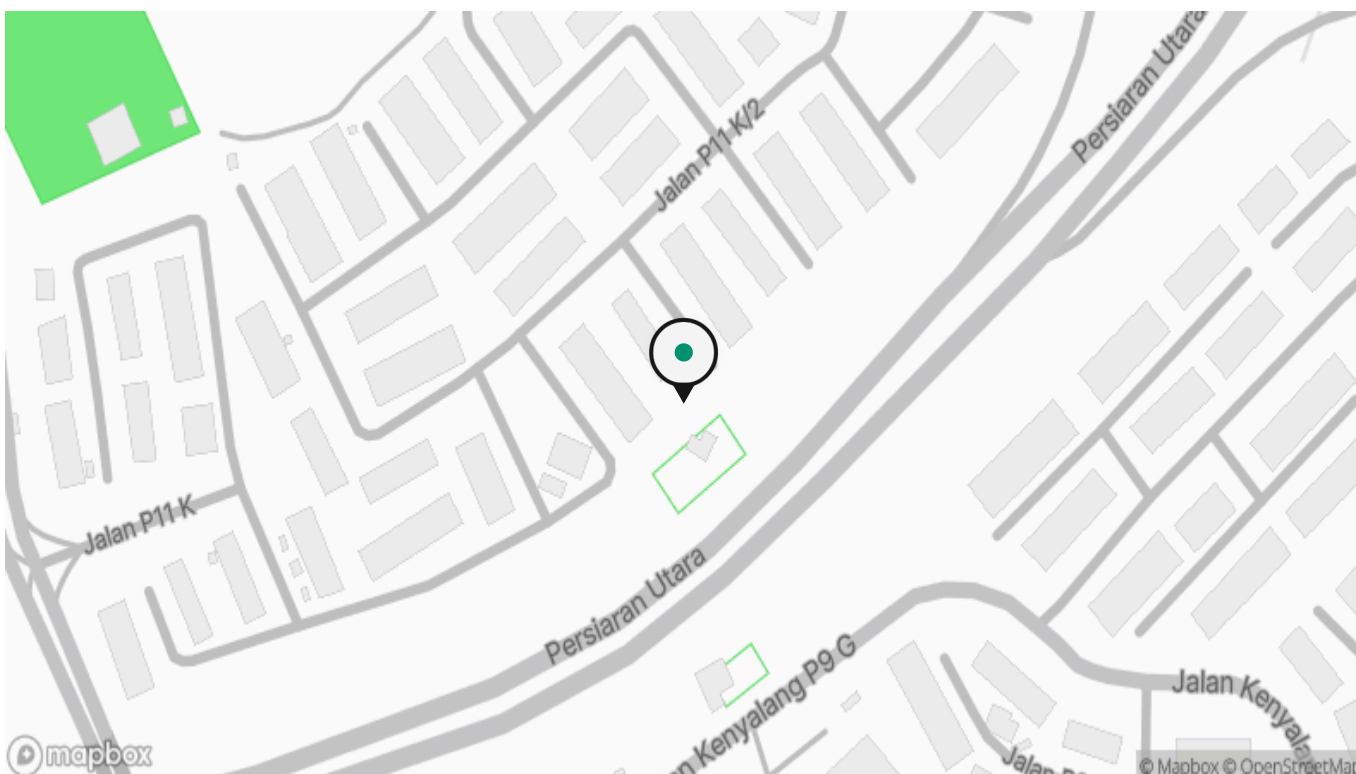
Species
senegalensis

Common Name
Sengal khaya

Date of report
16th March, 2026

Address
Persiaran Utara

Position
2.9482541444757544, 101.67995339845939



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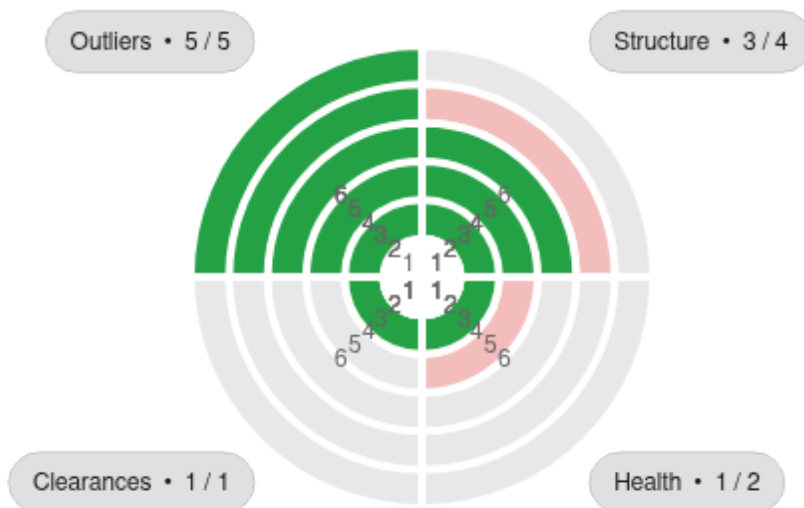
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Structural assessment

- ✗ 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	19.58 m	Crown Spread	Very large	9.83 m
Trunk Height	Very high	5.31 m	Tree Protection Zone	Very large	6.48 m
DBH	Very large	0.54 m	Root Protection Zone	Very large	9.72 m
Crown Height	Very large	8.82 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Medium	36.26	Crown Lean Angle	Very high	16.27 °
Trunk Stability Index		1.39	Trunk Lean Angle	Medium	3.23 °
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	High	26.6%	Foliage Transparency	30.98%
Basal Area Increment	-	-	Leaf Area	Very large 514.5 m ²
NDVI	-	-	Leaf Area Index	Medium 6.79

Foliage

Leaf Area Density	Low	0.97 m ² /m ³	Live Crown Ratio	Low 45.03%
Crown Volume	Very large	531.3 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.21 m ³ /yr	Evaporation	Very high	3.63 m ³ /yr
Potential Evapotranspiration	Very high	22.39 m ³ /yr	Transpiration	Very high	4.3 m ³ /yr
Water Intercepted	Very high	3.65 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,202.31 kg	CO Removal	Very high	8.11 g/yr
Carbon Sequestration	Very high	134.14 kg/yr	NO ₂ Removal	Very high	32.04 g/yr
Oxygen Production	Very high	354.46 kg/yr	O ₃ Removal	Very high	386.07 g/yr
PM _{2.5} Removal	Very high	20.16 g/yr	SO ₂ Removal	Very high	69.11 g/yr

Economical value

Cavat Value **ery valuabl** 10,065.54 £

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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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