

Tree Report of
30857



Genus
Khaya

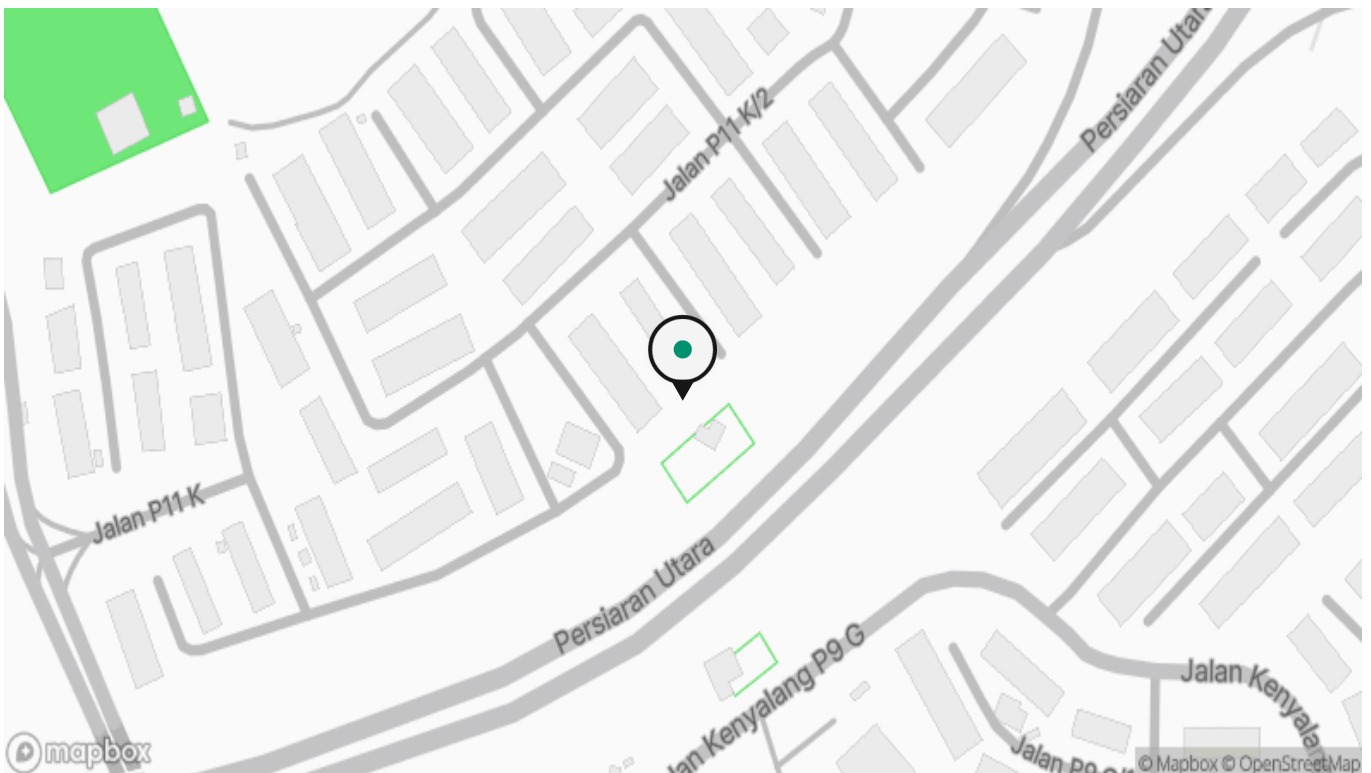
Species
senegalensis

Common Name
Sengal khaya

Date of report
16th March, 2026

Address
Persiaran Utara

Position
2.9482246523225655, 101.67991040871264



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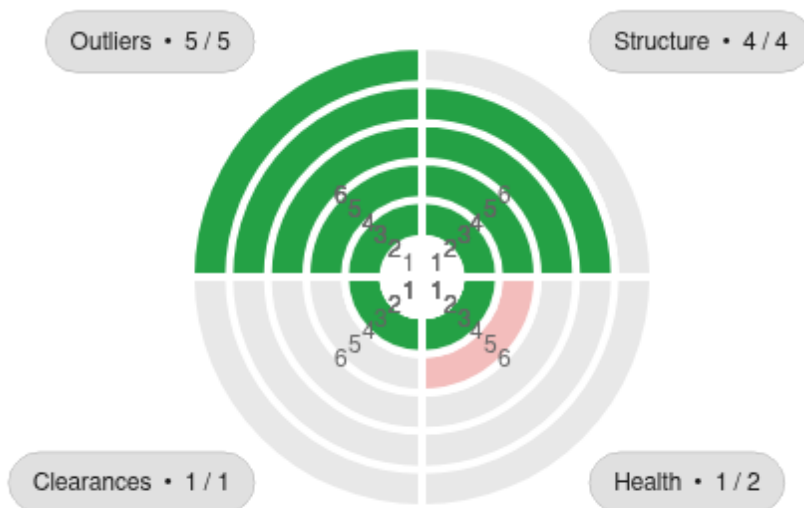
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Structural assessment

- ✓ 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	18.98 m	Crown Spread	Large	8.09 m
Trunk Height	High	3.29 m	Tree Protection Zone	Very large	8.71 m
DBH	Very large	0.73 m	Root Protection Zone	Very large	13.06 m
Crown Height	Very large	12.58 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	26.18	Crown Lean Angle	High	9.88 °
Trunk Stability Index		3.5	Trunk Lean Angle	High	6.56 °
Critical Wind Speed		125 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	52.31%
Basal Area Increment	-	-	Leaf Area	Large 382.72 m ²
NDVI	-	-	Leaf Area Index	High 7.99

Foliage

Leaf Area Density	Low	0.9 m ² /m ³	Live Crown Ratio	Medium 66.26%
Crown Volume	Very large	427.33 m ³		

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Benefits

Water management

Avoided Water Runoff	High	0.14 m ³ /yr	Evaporation	High	2.46 m ³ /yr
Potential Evapotranspiration	High	15.16 m ³ /yr	Transpiration	High	2.91 m ³ /yr
Water Intercepted	High	2.48 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	2,437.01 kg	CO Removal	High	5.49 g/yr
Carbon Sequestration	Very high	203.73 kg/yr	NO ₂ Removal	High	21.7 g/yr
Oxygen Production	Very high	538.37 kg/yr	O ₃ Removal	High	261.48 g/yr
PM _{2.5} Removal	High	13.66 g/yr	SO ₂ Removal	High	46.81 g/yr

Economical value

Cavat Value **ery valuabl** 18,271.67 £

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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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