

Tree Report of
30372



Genus
Peltophorum

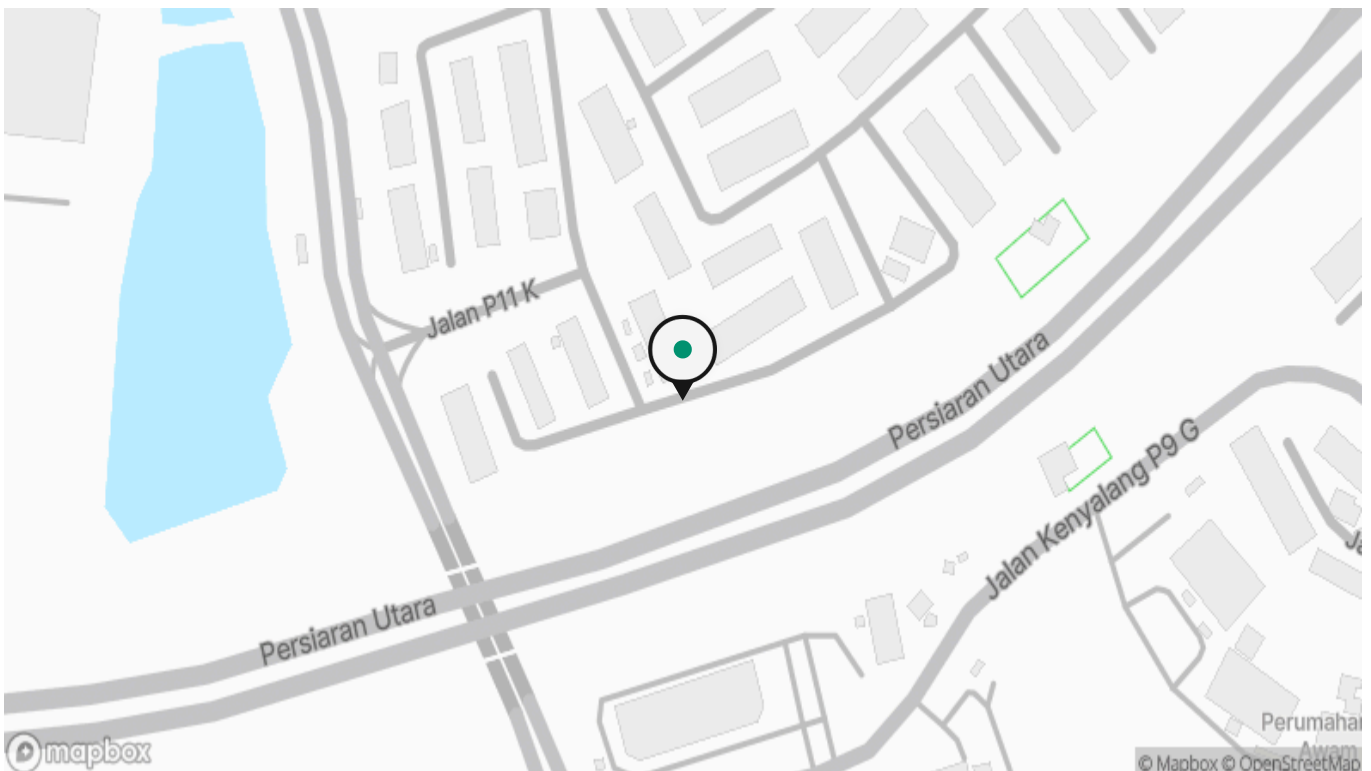
Species
pterocarpum

Common Name
Yellow flame

Date of report
16th March, 2026

Address
Jalan P11 K/5

Position
2.947447078172985, 101.6784345113028



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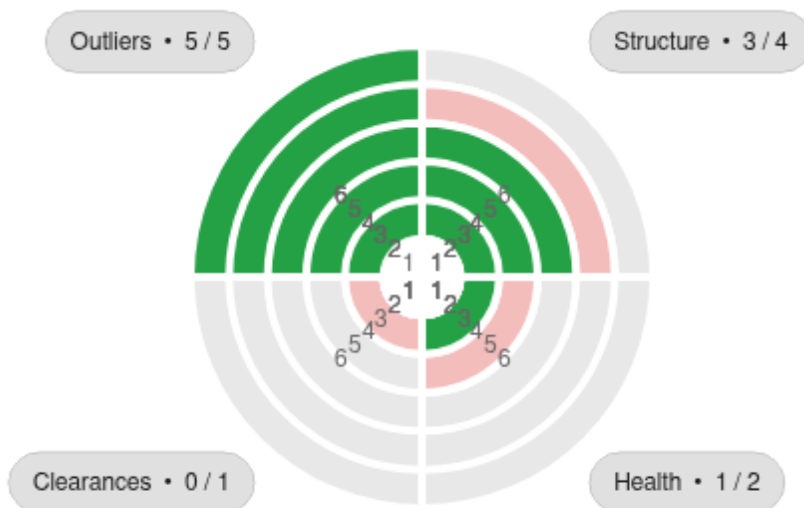
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Structural assessment

- ✗ 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	16.51 m	Crown Spread	Very large	15.26 m
Trunk Height	Medium	1.98 m	Tree Protection Zone	Very large	7.88 m
DBH	Very large	0.66 m	Root Protection Zone	Very large	11.82 m
Crown Height	Very large	12.22 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	25.16	Crown Lean Angle	High	9.01 °
Trunk Stability Index		1.74	Trunk Lean Angle	High	6.06 °
Critical Wind Speed		90 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	0.57%	Foliage Transparency		21.82%
Basal Area Increment		-	Leaf Area	Very large	1,473.3 m ²
NDVI		-	Leaf Area Index	High	8.91

Foliage

Leaf Area Density	Low	1.1 m ² /m ³	Live Crown Ratio	High	73.98%
Crown Volume	Very large	1,347.46 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.5 m ³ /yr	Evaporation	Very high	8.75 m ³ /yr
Potential Evapotranspiration	Very high	54.01 m ³ /yr	Transpiration	Very high	10.36 m ³ /yr
Water Intercepted	Very high	8.81 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,181.1 kg	CO Removal	Very high	19.56 g/yr
Carbon Sequestration	Very high	123.78 kg/yr	NO ₂ Removal	Very high	77.28 g/yr
Oxygen Production	Very high	327.09 kg/yr	O ₃ Removal	Very high	931.46 g/yr
PM _{2.5} Removal	Very high	48.64 g/yr	SO ₂ Removal	Very high	166.74 g/yr

Economical value

Cavat Value **ery valuabl** 14,851.78 £

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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

⊗ Issue(s) found

↳ Min. height clearance:	4.2 m
Obstruction (height):	0.0 m
Obstruction (volume):	0.0 m ³
Affected crown:	0.0%

Wire Clearance

⦿ Not available

Traffic Sign Clearance

⦿ Not available

Visibility Clearance

⦿ Not available

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