

Tree Report of
30401



Genus
Peltophorum

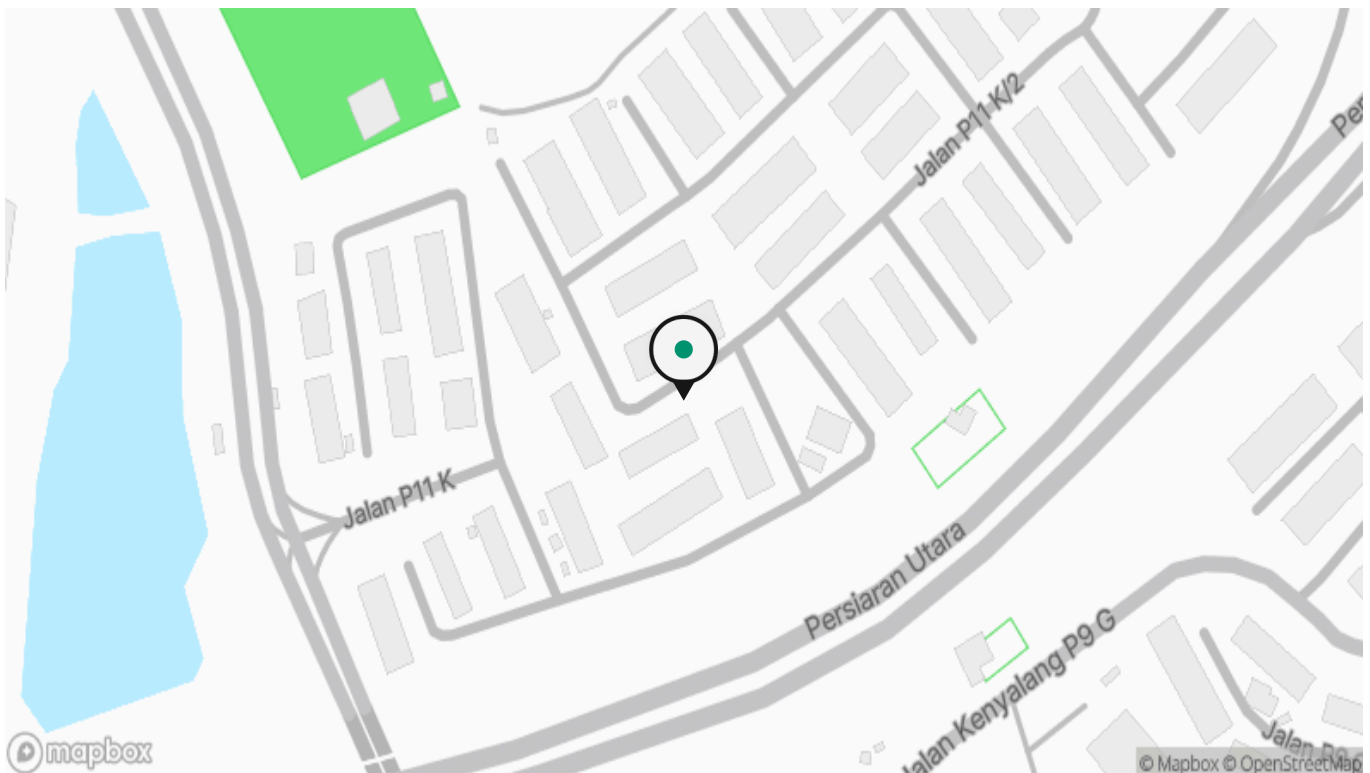
Species
pterocarpum

Common Name
Yellow flame

Date of report
1st April, 2026

Address
Jalan P11 K/2

Position
2.9481683918923522, 101.6788077409205



Tree Report of 30401



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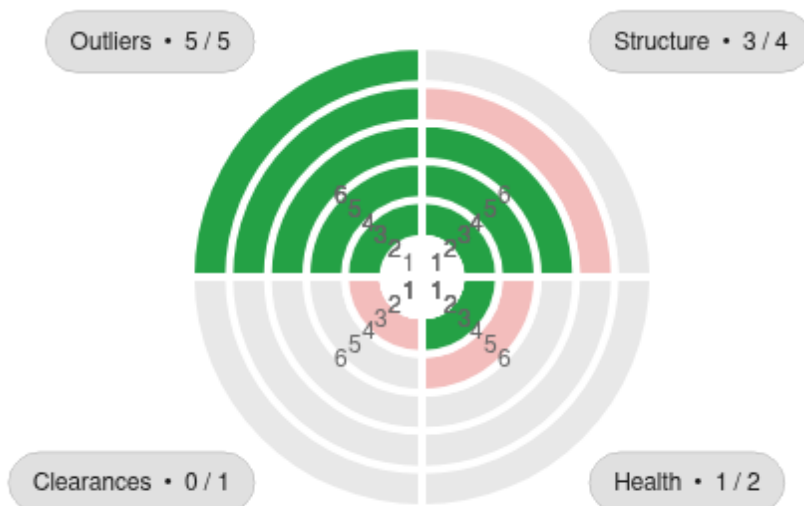
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Structural assessment

- ✗ 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	19.38 m	Crown Spread	Very large	18.46 m
Trunk Height	High	2.59 m	Tree Protection Zone	Very large	8.57 m
DBH	Very large	0.72 m	Root Protection Zone	Very large	12.86 m
Crown Height	Very large	18.07 m	Number Of Stems	Low	2

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Structural assessment

Stability

Slenderness	Low	27.13	Crown Lean Angle	Very high	15.01 °
Trunk Stability Index		1.29	Trunk Lean Angle	Low	2.59 °
Critical Wind Speed		75 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	19.61%
Basal Area Increment	-	-	Leaf Area	Very large 3,387.79 m ²
NDVI	-	-	Leaf Area Index	Very high 13.37

Foliage

Leaf Area Density	Low	1.29 m ² /m ³	Live Crown Ratio	Very high 93.29%
Crown Volume	Very large	2,629.6 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.73 m ³ /yr	Evaporation	Very high	12.8 m ³ /yr
Potential Evapotranspiration	Very high	79.02 m ³ /yr	Transpiration	Very high	15.16 m ³ /yr
Water Intercepted	Very high	12.89 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,409.35 kg	CO Removal	Very high	28.61 g/yr
Carbon Sequestration	Very high	115.1 kg/yr	NO ₂ Removal	Very high	113.07 g/yr
Oxygen Production	Very high	304.15 kg/yr	O ₃ Removal	Very high	1,362.85 g/yr
PM _{2.5} Removal	Very high	71.16 g/yr	SO ₂ Removal	Very high	243.97 g/yr

Economical value

Cavat Value **ery valuabl** 17,118.03 £

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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:	1.3 m
Obstruction (height):	0.0 m
Obstruction (volume):	7.6 m ³
Affected crown:	3.5%

Wire Clearance

⊘ Not available

Traffic Sign Clearance

⊘ Not available

Visibility Clearance

⊘ Not available

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