

Tree Report of
30604



Genus
Peltophorum

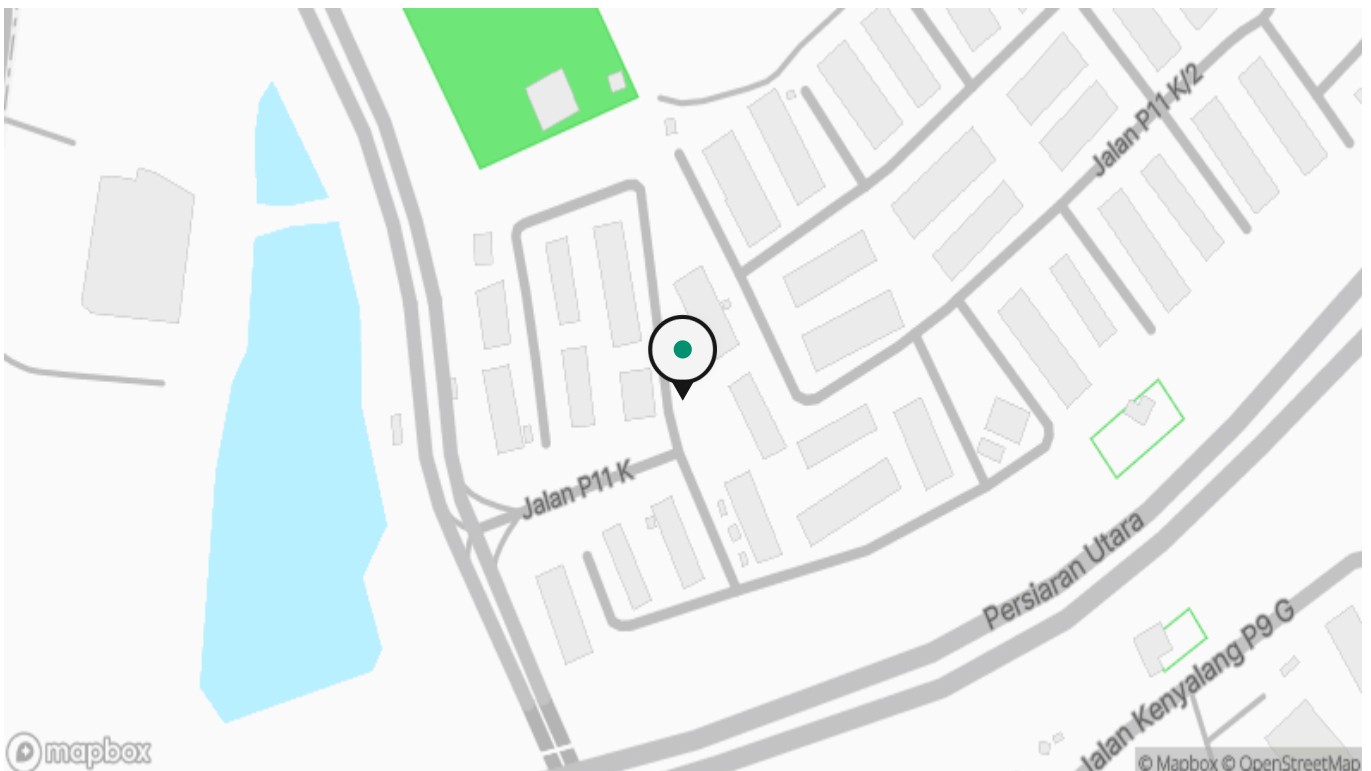
Species
pterocarpum

Common Name
Yellow flame

Date of report
1st April, 2026

Address
Jalan P11 K/1

Position
2.948131821375199, 101.67801482928792



Tree Report of 30604



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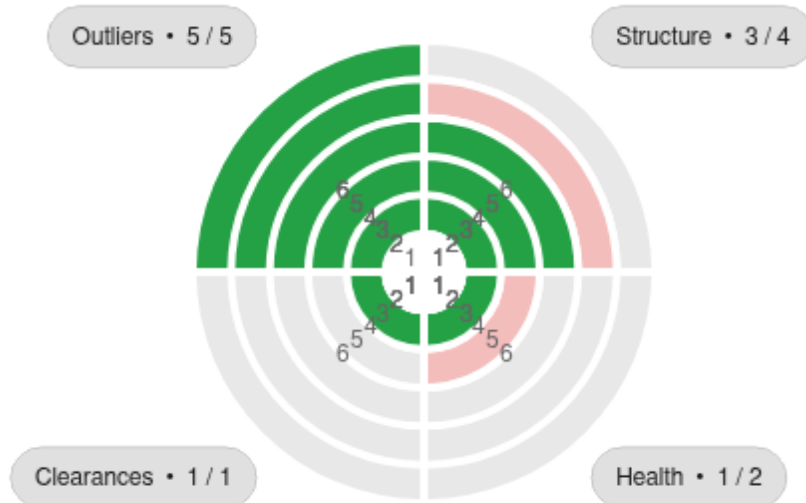
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Structural assessment

- ✗ 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	22.58 m	Crown Spread	Very large	11.39 m
Trunk Height	High	3.05 m	Tree Protection Zone	Very large	7.37 m
DBH	Very large	0.62 m	Root Protection Zone	Very large	11.06 m
Crown Height	Very large	17.5 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Medium	36.76	Crown Lean Angle	High	9.93 °
Trunk Stability Index		0.92	Trunk Lean Angle	Low	1.93 °
Critical Wind Speed		65 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	42.33%
Basal Area Increment	-	-	Leaf Area	Very large 772.82 m ²
NDVI	-	-	Leaf Area Index	Medium 7.35

Foliage

Leaf Area Density	Low	0.69 m ² /m ³	Live Crown Ratio	High 77.51%
Crown Volume	Very large	1,130.44 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.28 m ³ /yr	Evaporation	Very high	4.88 m ³ /yr
Potential Evapotranspiration	Very high	30.09 m ³ /yr	Transpiration	Very high	5.77 m ³ /yr
Water Intercepted	Very high	4.91 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,251.23 kg	CO Removal	Very high	10.9 g/yr
Carbon Sequestration	Very high	89.6 kg/yr	NO ₂ Removal	Very high	43.05 g/yr
Oxygen Production	Very high	236.76 kg/yr	O ₃ Removal	Very high	518.85 g/yr
PM _{2.5} Removal	Very high	27.09 g/yr	SO ₂ Removal	Very high	92.88 g/yr

Economical value

Cavat Value **ery valuabl** 13,110.39 £

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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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