

Tree Report of  
**30614**



Genus  
**Peltophorum**

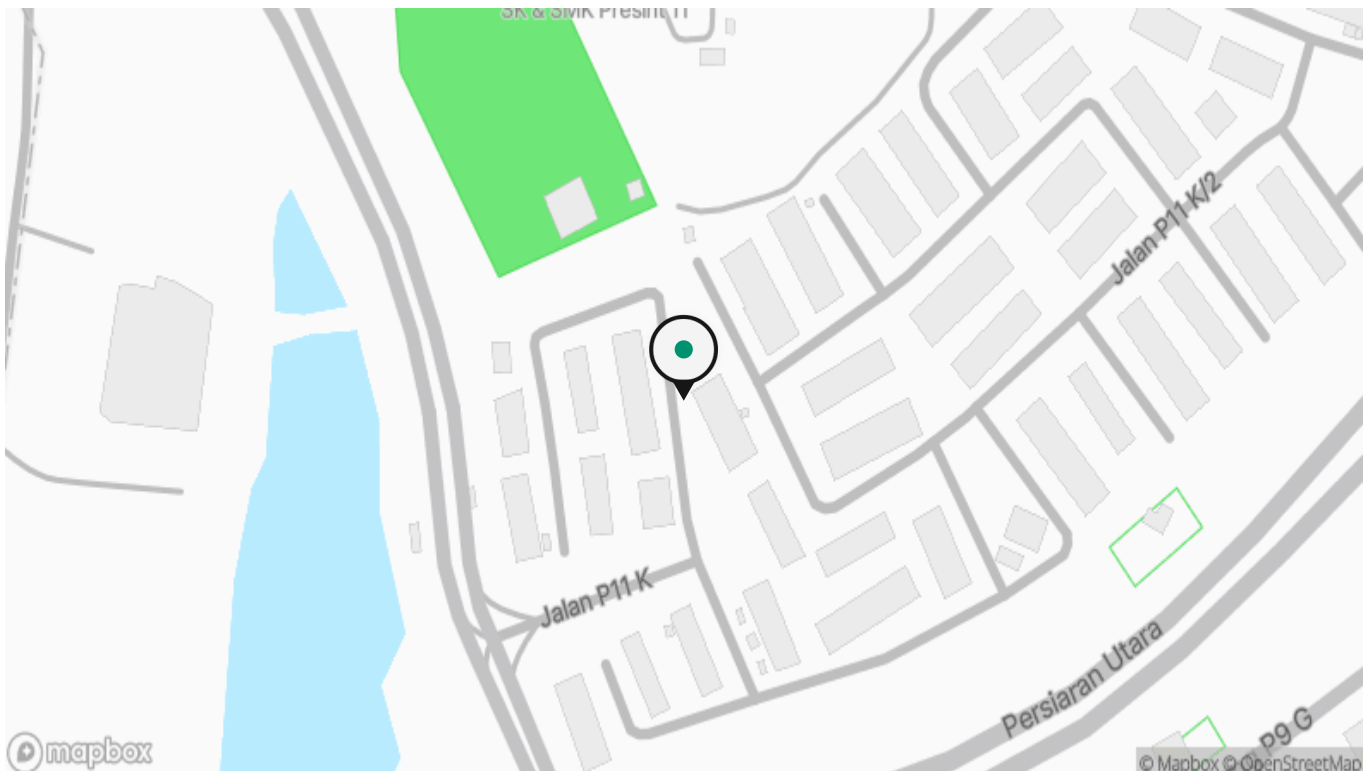
Species  
**pterocarpum**

Common Name  
**Yellow flame**

Date of report  
**16th March, 2026**

Address  
**Jalan P11 K/1**

Position  
**2.948542801712719, 101.67793744848824**



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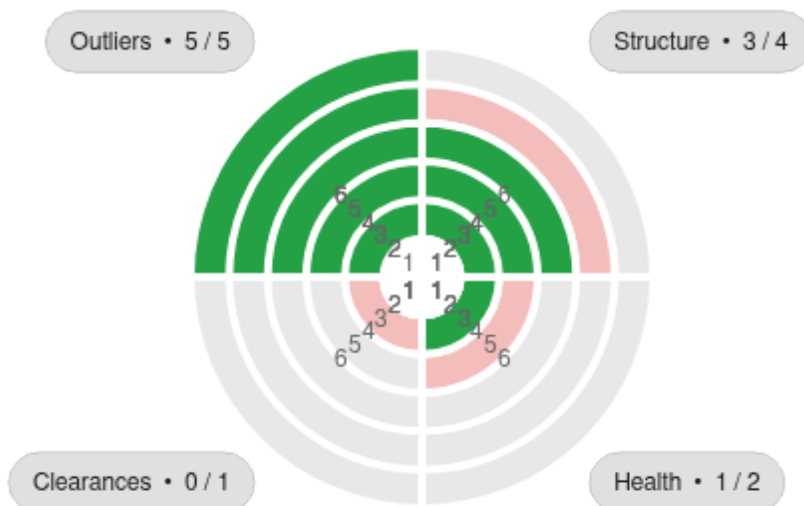
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## Structural assessment

- ✗ 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	20.6 m	Crown Spread	Very large	20.15 m
Trunk Height	High	2.7 m	Tree Protection Zone	Very large	9.86 m
DBH	Very large	0.83 m	Root Protection Zone	Very large	14.79 m
Crown Height	Very large	12.69 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	Low	25.08	Crown Lean Angle	High	8.7 °
Trunk Stability Index		1.75	Trunk Lean Angle	Very high	7.83 °
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	<b>Low</b>	0.28%	Foliage Transparency		26.24%
Basal Area Increment		-	Leaf Area	<b>Very large</b>	2,682.33 m <sup>2</sup>
NDVI		-	Leaf Area Index	<b>High</b>	10.02

### Foliage

Leaf Area Density	<b>Low</b>	0.94 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>Medium</b>	61.6%
Crown Volume	<b>Very large</b>	2,855.61 m <sup>3</sup>			

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.87 m <sup>3</sup> /yr	Evaporation	Very high	15.24 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	94.1 m <sup>3</sup> /yr	Transpiration	Very high	18.05 m <sup>3</sup> /yr
Water Intercepted	Very high	15.35 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	2,064.01 kg	CO Removal	Very high	34.07 g/yr
Carbon Sequestration	Very high	76.63 kg/yr	NO <sub>2</sub> Removal	Very high	134.65 g/yr
Oxygen Production	Very high	202.48 kg/yr	O <sub>3</sub> Removal	Very high	1,622.95 g/yr
PM <sub>2.5</sub> Removal	Very high	84.74 g/yr	SO <sub>2</sub> Removal	Very high	290.53 g/yr

### Economical value

Cavat Value **ery valuabl** 23,243.99 £

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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:

2.3 m

Obstruction (height):

0.0 m

Obstruction (volume):

1.2 m<sup>3</sup>

Affected crown:

0.7%

**Wire Clearance**

⌵ Not available

**Traffic Sign Clearance**

⌵ Not available

**Visibility Clearance**

⌵ Not available

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