

Tree Report of  
**30384**



Genus  
**Peltophorum**

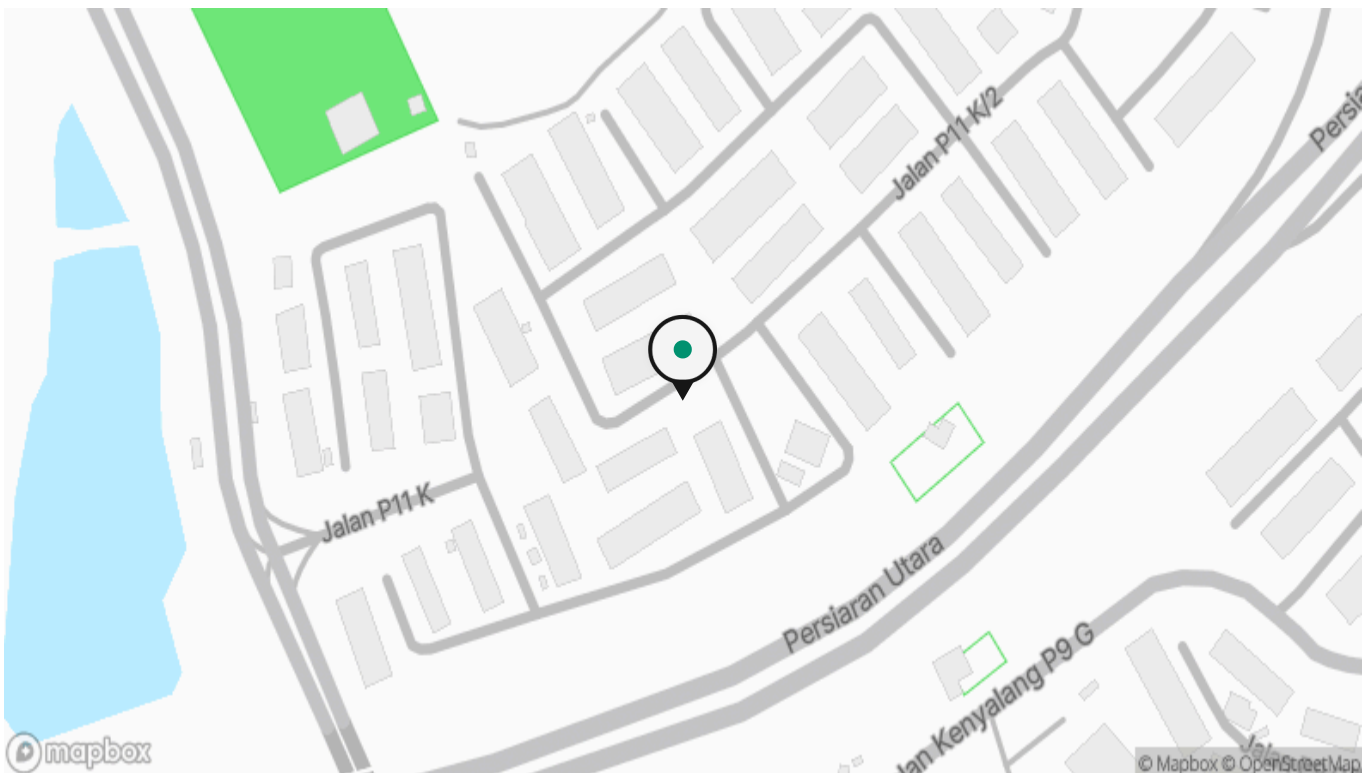
Species  
**pterocarpum**

Common Name  
**Yellow flame**

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

Address  
**Jalan P11 K/2**

Position  
**2.948220669344508, 101.67889858353529**



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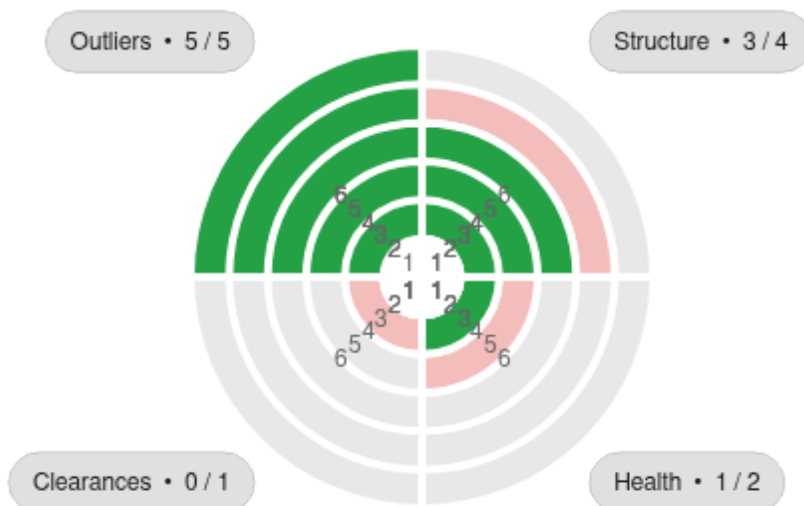
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## Structural assessment

- ✗ 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	18.34 m	Crown Spread	Very large	14.34 m
Trunk Height	Low	1.65 m	Tree Protection Zone	Very large	8.19 m
DBH	Very large	0.69 m	Root Protection Zone	Very large	12.28 m
Crown Height	Very large	15.07 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	Low	26.88	Crown Lean Angle	Very high	12.18 °
Trunk Stability Index		1.71	Trunk Lean Angle	Very high	10.35 °
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%	Foliage Transparency	31.18%
Basal Area Increment	-	-	Leaf Area	<b>Very large</b> 1,704.3 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	<b>Very high</b> 11.87

### Foliage

Leaf Area Density	<b>Low</b>	1.08 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>Very high</b> 82.19%
Crown Volume	<b>Very large</b>	1,582.07 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.44 m <sup>3</sup> /yr	Evaporation	Very high	7.73 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	47.7 m <sup>3</sup> /yr	Transpiration	Very high	9.15 m <sup>3</sup> /yr
Water Intercepted	Very high	7.78 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	1,299.34 kg	CO Removal	Very high	17.27 g/yr
Carbon Sequestration	Very high	119.67 kg/yr	NO <sub>2</sub> Removal	Very high	68.26 g/yr
Oxygen Production	Very high	316.22 kg/yr	O <sub>3</sub> Removal	Very high	822.65 g/yr
PM <sub>2.5</sub> Removal	Very high	42.96 g/yr	SO <sub>2</sub> Removal	Very high	147.27 g/yr

### Economical value

Cavat Value **ery valuabl** 16,035.99 £

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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:

3.6 m

Obstruction (height):

0.0 m

Obstruction (volume):

1.0 m<sup>3</sup>

Affected crown:

0.8%

**Wire Clearance**

⊘ Not available

**Traffic Sign Clearance**

⊘ Not available

**Visibility Clearance**

⊘ Not available

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