

Tree Report of  
**30350**



Genus  
**Peltophorum**

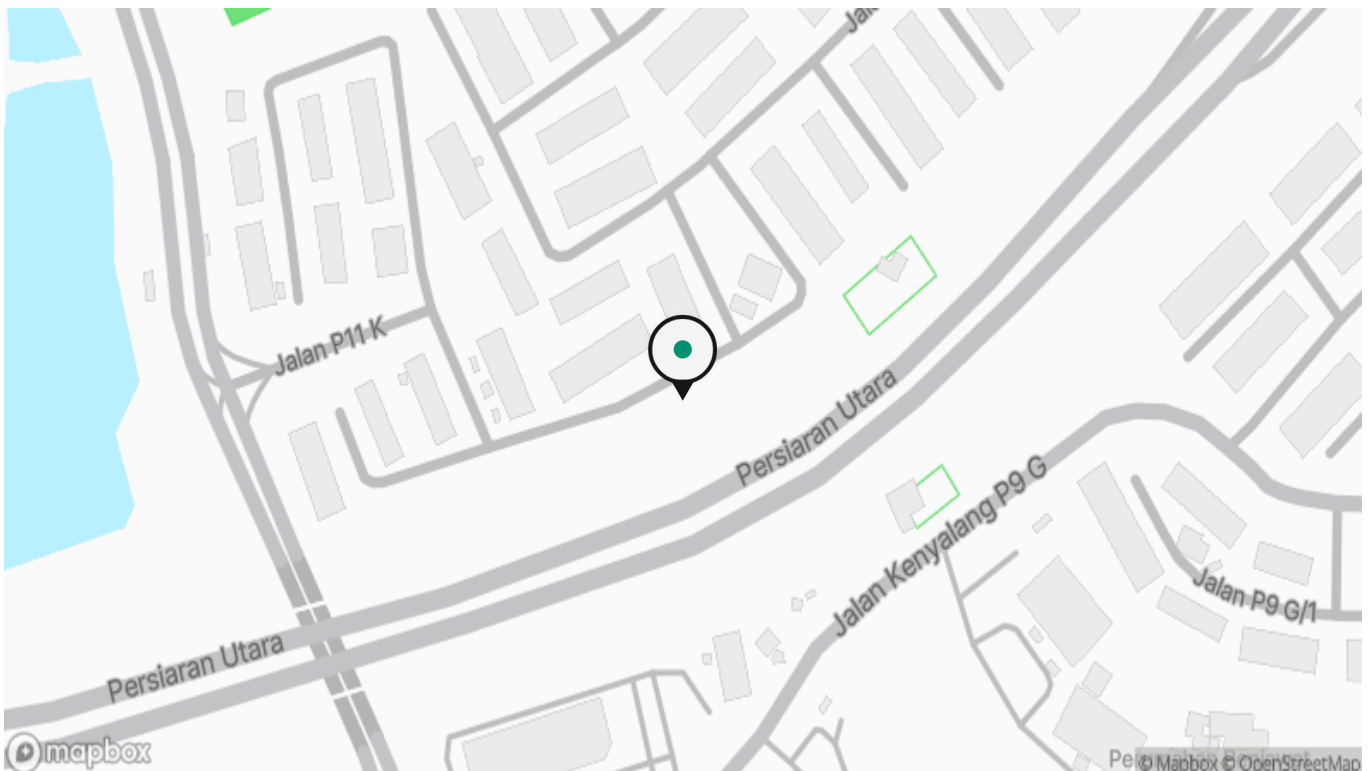
Species  
**pterocarpum**

Common Name  
**Yellow flame**

Date of report  
**1st April, 2026**

Address  
**Jalan P11 K/5**

Position  
**2.9475879279883657, 101.67910700962577**



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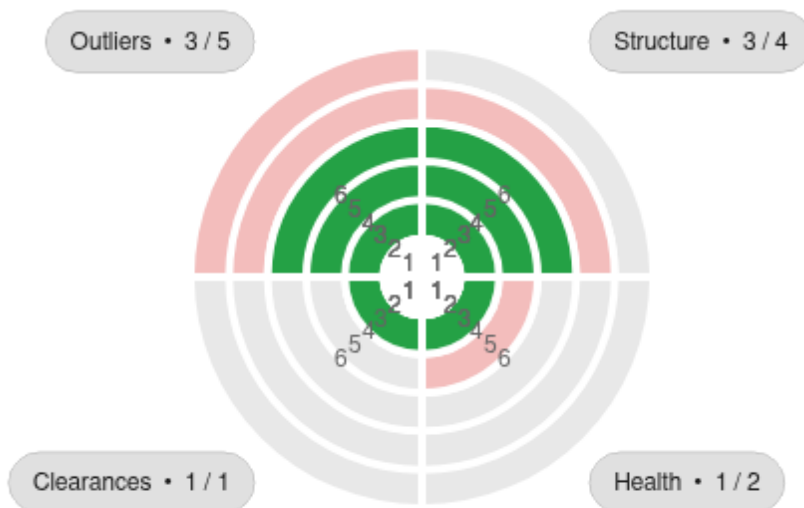
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## Structural assessment

- ✗ 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	16.22 m	Crown Spread	Very large	10.6 m
Trunk Height	Very high	4.25 m	Tree Protection Zone	Very large	5.68 m
DBH	Very large	0.48 m	Root Protection Zone	Very large	8.52 m
Crown Height	Very large	10.11 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	Medium	34.27	Crown Lean Angle	Very high	18.71 °
Trunk Stability Index		1.08	Trunk Lean Angle	Medium	2.72 °
Critical Wind Speed		70 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>Very high</b>	31.45%	Foliage Transparency	44.85%
Basal Area Increment	-	-	Leaf Area	<b>Large</b> 237.65 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	<b>Low</b> 3.29

### Foliage

Leaf Area Density	<b>Low</b>	0.53 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>Medium</b> 62.32%
Crown Volume	<b>Very large</b>	454.08 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.24 m <sup>3</sup> /yr	Evaporation	Very high	4.22 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	26.04 m <sup>3</sup> /yr	Transpiration	Very high	5 m <sup>3</sup> /yr
Water Intercepted	Very high	4.25 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	656.24 kg	CO Removal	Very high	9.43 g/yr
Carbon Sequestration	Very high	61.5 kg/yr	NO <sub>2</sub> Removal	Very high	37.26 g/yr
Oxygen Production	Very high	162.51 kg/yr	O <sub>3</sub> Removal	Very high	449.06 g/yr
PM <sub>2.5</sub> Removal	Very high	23.45 g/yr	SO <sub>2</sub> Removal	Very high	80.39 g/yr

### Economical value

Cavat Value      Very valuable      7,726.43 £

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## Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	Yes	Trunk Diameter / Leaf Area	Yes
Leaf Area Density Outlier	Yes	Overall Outlier Index	Medium 3
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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