

Tree Report of  
**30598**



Genus  
**Peltophorum**

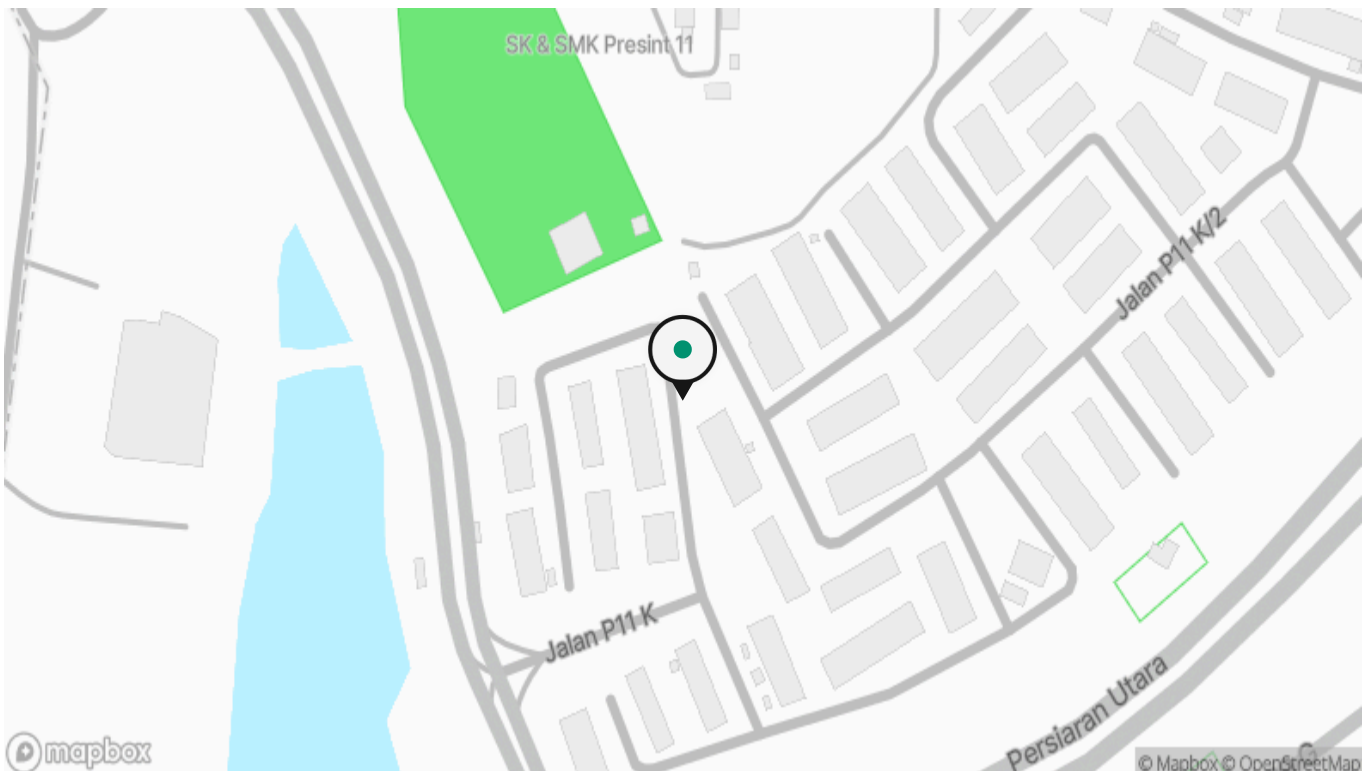
Species  
**pterocarpum**

Common Name  
**Yellow flame**

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

Address  
**Jalan P11 K/1**

Position  
**2.948676020636256, 101.67791156649986**



# Tree Report of 30598



Genus  
**Peltophorum**

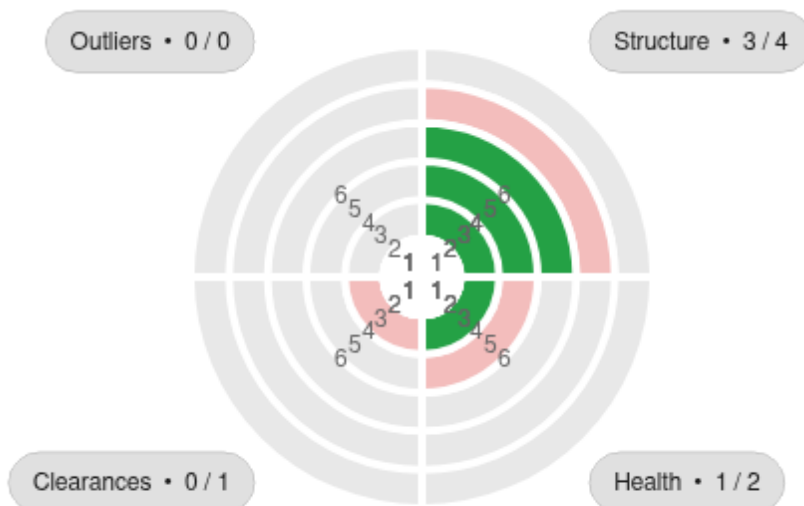
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## Structural assessment

- 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	20.48 m	Crown Spread	Very large	18.02 m
Trunk Height	High	2.63 m	Tree Protection Zone	Very large	7.45 m
DBH	Very large	0.63 m	Root Protection Zone	Very large	11.17 m
Crown Height	Very large	15 m	Number Of Stems	Low	4

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## Structural assessment

### Stability

Slenderness	Medium	33.02	Crown Lean Angle	High	9.45 °
Trunk Stability Index		0.88	Trunk Lean Angle	Very high	14.73 °
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	<b>Low</b>	0%	Foliage Transparency	24.3%
Basal Area Increment	-	-	Leaf Area	<b>Very large</b> 2,247.17 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	<b>High</b> 9.06

### Foliage

Leaf Area Density	<b>Low</b>	0.81 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>High</b> 73.24%
Crown Volume	<b>Very large</b>	2,777.35 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.7 m <sup>3</sup> /yr	Evaporation	Very high	12.2 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	75.33 m <sup>3</sup> /yr	Transpiration	Very high	14.45 m <sup>3</sup> /yr
Water Intercepted	Very high	12.28 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	1,025.77 kg	CO Removal	Very high	27.28 g/yr
Carbon Sequestration	Very high	127.73 kg/yr	NO <sub>2</sub> Removal	Very high	107.79 g/yr
Oxygen Production	Very high	337.54 kg/yr	O <sub>3</sub> Removal	Very high	1,299.14 g/yr
PM <sub>2.5</sub> Removal	Very high	67.83 g/yr	SO <sub>2</sub> Removal	Very high	232.56 g/yr

### Economical value

Cavat Value **ery valuabl** 13,258.3 £

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## Outlier information

Height / Crown Volume - Trunk Diameter / Height -

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Height / Leaf Area - Trunk Diameter / Leaf Area -

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Leaf Area Density - Overall Outlier Index -

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Trunk Diameter / Crown Volume -

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## Clearances

**Building Clearance**

⌵ Not available

**Road Clearance**

⊗ Issue(s) found

↳ Min. height clearance:

2.5 m

Obstruction (height):

0.0 m

Obstruction (volume):

0.0 m<sup>3</sup>

Affected crown:

0.0%

**Wire Clearance**

⌵ Not available

**Traffic Sign Clearance**

⌵ Not available

**Visibility Clearance**

⌵ Not available

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