

Tree Report of  
**30712**



Genus  
**Hopea**

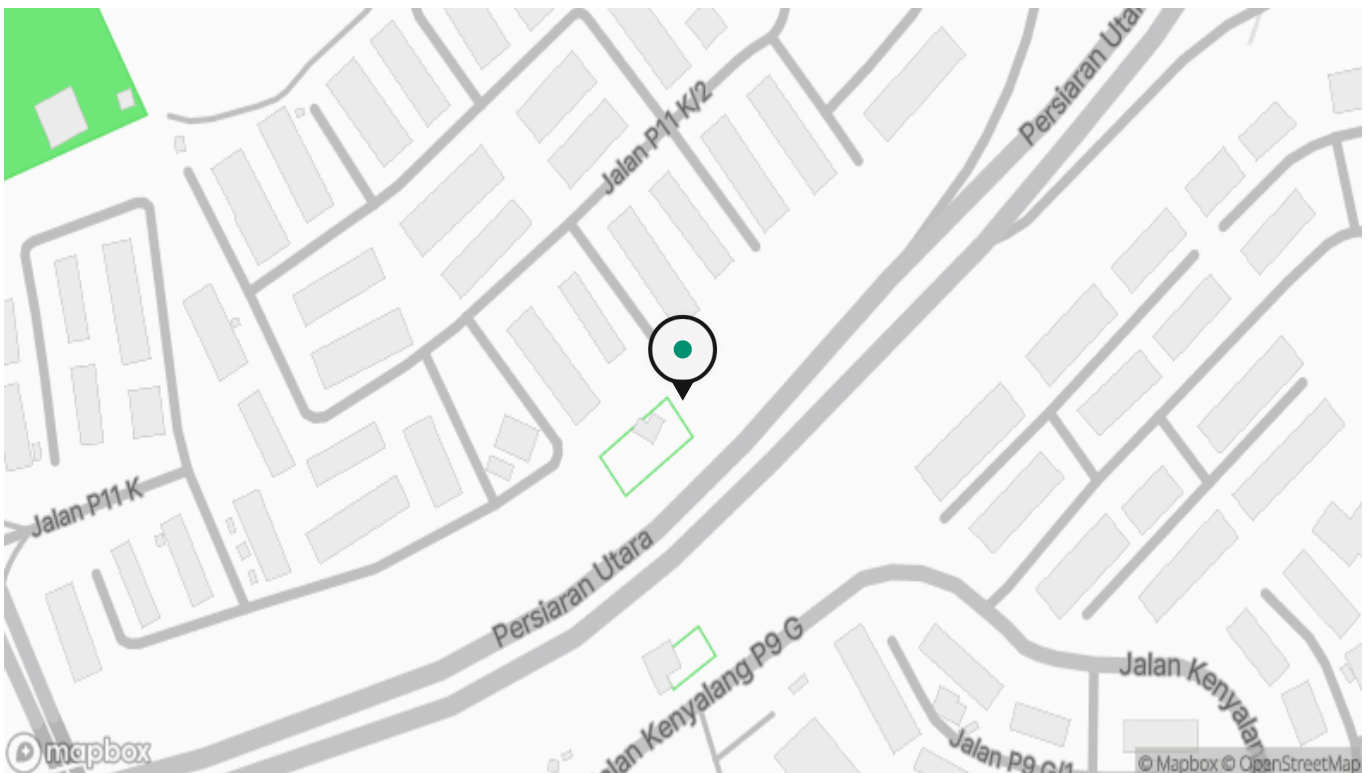
Species  
**odorata**

Common Name  
**Merawan Siput Jantan**

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

Address  
**Persiaran Utara**

Position  
**2.948199670281838, 101.6801814676789**



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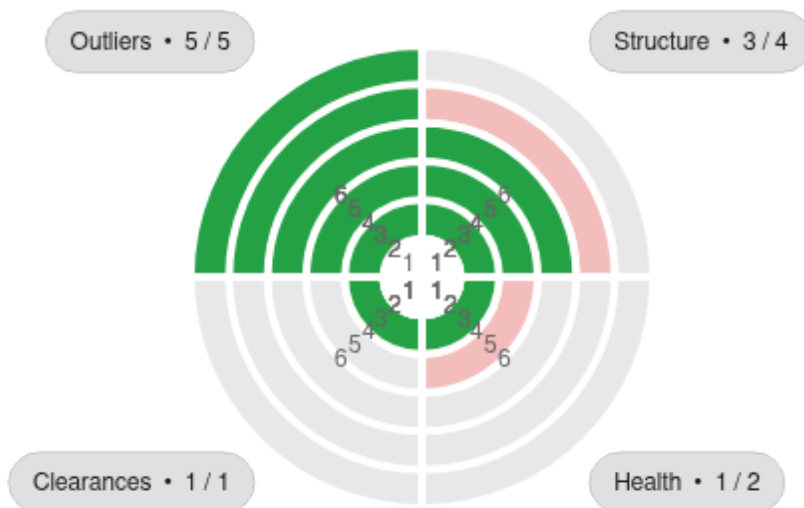
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## Structural assessment

- ✗ 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	20.92 m	Crown Spread	Large	6.07 m
Trunk Height	Very high	13.32 m	Tree Protection Zone	Large	3.46 m
DBH	Large	0.29 m	Root Protection Zone	Large	5.19 m
Crown Height	Large	6.54 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	<b>Very high</b>	72.59	Crown Lean Angle	<b>High</b>	7.07 °
Trunk Stability Index		0.34	Trunk Lean Angle	<b>Very high</b>	8.4 °
Critical Wind Speed		40 kmh			

### Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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## Health and vitality

### Condition & Vigor

Dieback	High	29.17%	Foliage Transparency	52.85%
Basal Area Increment	-	-	Leaf Area	Medium 98.96 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	Low 4.31

### Foliage

Leaf Area Density	Low	1.24 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	Low 31.26%
Crown Volume	Medium	80.26 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Medium	0.08 m <sup>3</sup> /yr	Evaporation	Medium	1.39 m <sup>3</sup> /yr
Potential Evapotranspiration	Medium	8.53 m <sup>3</sup> /yr	Transpiration	Medium	1.64 m <sup>3</sup> /yr
Water Intercepted	Medium	1.39 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	High	204.09 kg	CO Removal	Medium	3.09 g/yr
Carbon Sequestration	High	41.73 kg/yr	NO <sub>2</sub> Removal	Medium	12.2 g/yr
Oxygen Production	High	110.28 kg/yr	O <sub>3</sub> Removal	Medium	147.04 g/yr
PM <sub>2.5</sub> Removal	Medium	7.68 g/yr	SO <sub>2</sub> Removal	Medium	26.33 g/yr

### Economical value

Cavat Value **Valuable** 2,862.37 £

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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

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Road Clearance  No issue

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Wire Clearance  Not available

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Traffic Sign Clearance  Not available

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Visibility Clearance  Not available

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