

Tree Report of  
**30771**



Genus  
**Hopea**

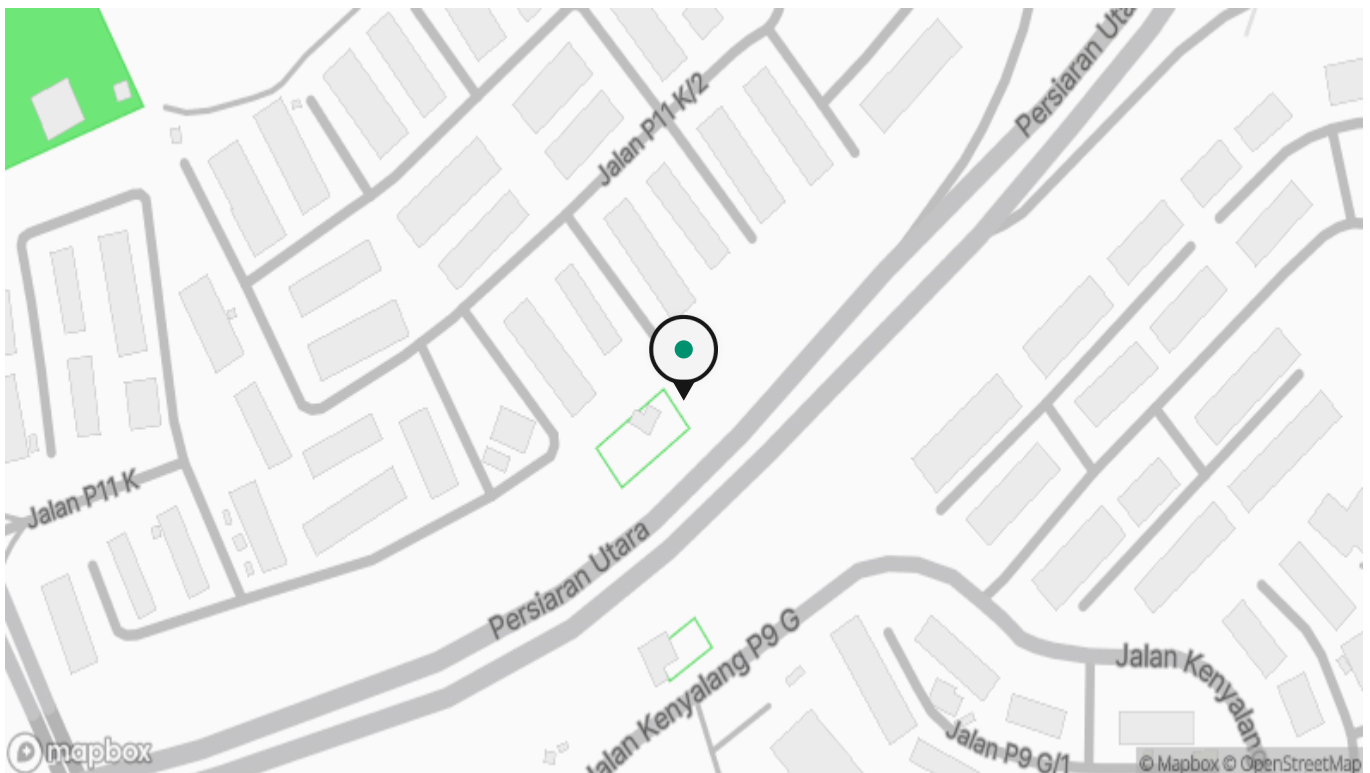
Species  
**odorata**

Common Name  
**Merawan Siput Jantan**

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

Address  
**Persiaran Utara**

Position  
**2.948167708464908, 101.6802020906404**



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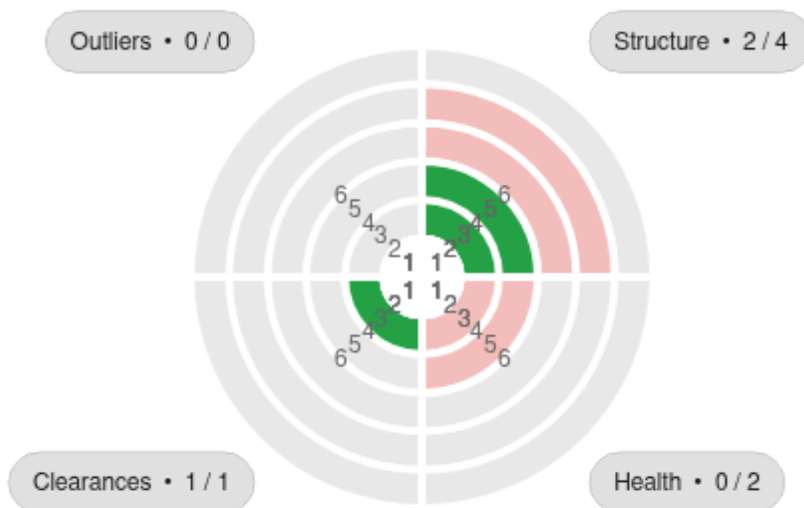
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## Structural assessment

- 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	18.59 m	Crown Spread	Small	3.14 m
Trunk Height	Very high	10.87 m	Tree Protection Zone	Medium	2.62 m
DBH	Medium	0.22 m	Root Protection Zone	Medium	3.92 m
Crown Height	Small	3.36 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	<b>Very high</b>	85.42	Crown Lean Angle	<b>Medium</b>	6.6 °
Trunk Stability Index		0.39	Trunk Lean Angle	<b>Medium</b>	4.33 °
Critical Wind Speed		45 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>	94.92%	Foliage Transparency	89.01%
Basal Area Increment	-	-	Leaf Area	<b>Small</b> 11.14 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	<b>Low</b> 1.43

### Foliage

Leaf Area Density	<b>Low</b>	0.6 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>Low</b> 18.04%
Crown Volume	<b>Small</b>	18.83 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Low	0.02 m <sup>3</sup> /yr	Evaporation	Low	0.28 m <sup>3</sup> /yr
Potential Evapotranspiration	Low	1.73 m <sup>3</sup> /yr	Transpiration	Low	0.34 m <sup>3</sup> /yr
Water Intercepted	Low	0.29 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Medium	103.04 kg	CO Removal	Low	0.83 g/yr
Carbon Sequestration	Medium	21.2 kg/yr	NO <sub>2</sub> Removal	Low	3.28 g/yr
Oxygen Production	Medium	56.02 kg/yr	O <sub>3</sub> Removal	Low	39.43 g/yr
PM <sub>2.5</sub> Removal	Low	2.06 g/yr	SO <sub>2</sub> Removal	Low	7.06 g/yr

### Economical value

Cavat Value erately valu 1,631.35 £

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## Outlier information

Height / Crown Volume

-

Trunk Diameter / Height

-

Height / Leaf Area

-

Trunk Diameter / Leaf Area

-

Leaf Area Density  
Outlier

-

Overall Outlier Index

-

Trunk Diameter / Crown  
Volume

-

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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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