

Tree Report of  
**30342**



Genus  
**Hopea**

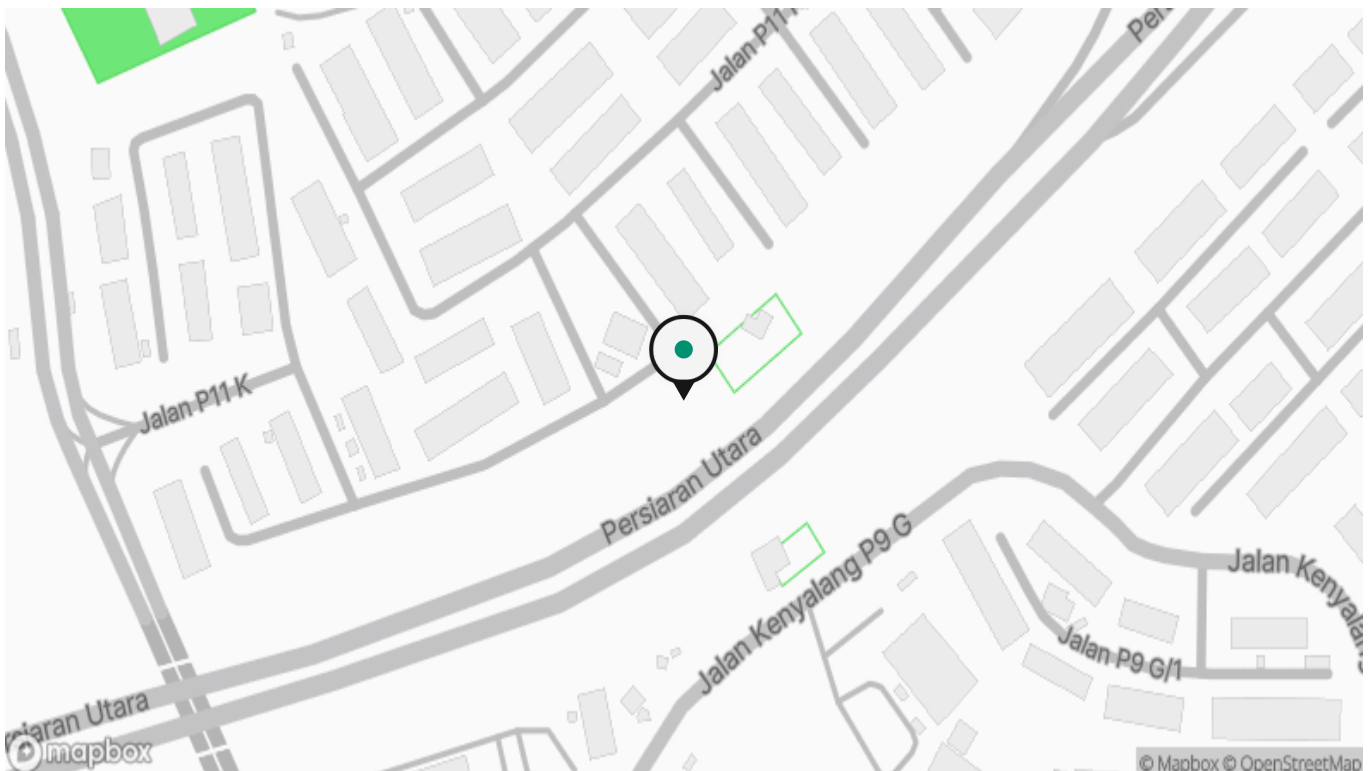
Species  
**odorata**

Common Name  
**Merawan Siput Jantan**

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

Address  
**Jalan P11 K/5**

Position  
**2.9478074652013504, 101.67970665696086**



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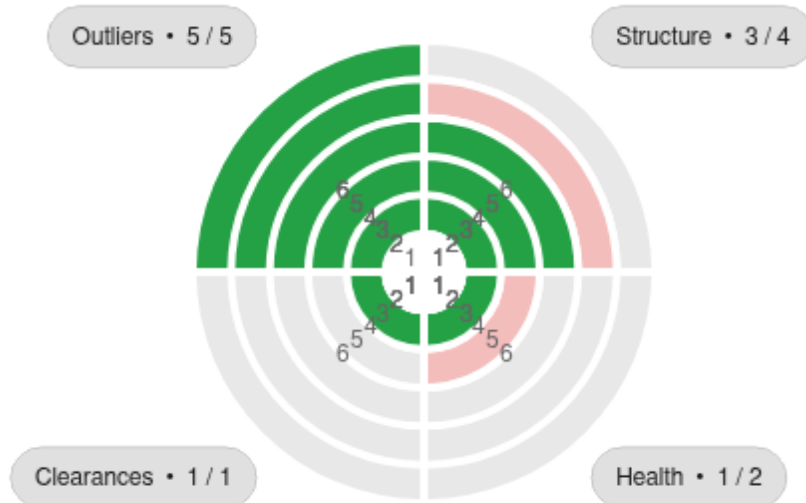
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## Structural assessment

- ✗ 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	18.65 m	Crown Spread	Medium	5.71 m
Trunk Height	Very high	6.04 m	Tree Protection Zone	Large	2.94 m
DBH	Large	0.25 m	Root Protection Zone	Large	4.41 m
Crown Height	Large	6.04 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	<b>Very high</b>	76.24	Crown Lean Angle	<b>High</b>	9.82 °
Trunk Stability Index		0.2	Trunk Lean Angle	<b>Medium</b>	2.8 °
Critical Wind Speed		30 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>	44.11%	Foliage Transparency	51.56%
Basal Area Increment	-	-	Leaf Area	<b>Medium</b> 144.11 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	<b>Medium</b> 5.62

### Foliage

Leaf Area Density	<b>Low</b>	0.94 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>Low</b> 32.41%
Crown Volume	<b>Large</b>	154.14 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Medium	0.06 m <sup>3</sup> /yr	Evaporation	Medium	0.93 m <sup>3</sup> /yr
Potential Evapotranspiration	Medium	5.7 m <sup>3</sup> /yr	Transpiration	Medium	1.1 m <sup>3</sup> /yr
Water Intercepted	Medium	0.93 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Medium	113.92 kg	CO Removal	Medium	2.73 g/yr
Carbon Sequestration	Medium	22.45 kg/yr	NO <sub>2</sub> Removal	Medium	10.79 g/yr
Oxygen Production	Medium	59.32 kg/yr	O <sub>3</sub> Removal	Medium	130.03 g/yr
PM <sub>2.5</sub> Removal	Medium	6.79 g/yr	SO <sub>2</sub> Removal	Medium	23.28 g/yr

### Economical value

Cavat Value erately valu 1,754.82 £

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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

No issue

Wire Clearance

Not available

Traffic Sign Clearance

Not available

Visibility Clearance

Not available

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