

Tree Report of
30670



Genus
Hopea

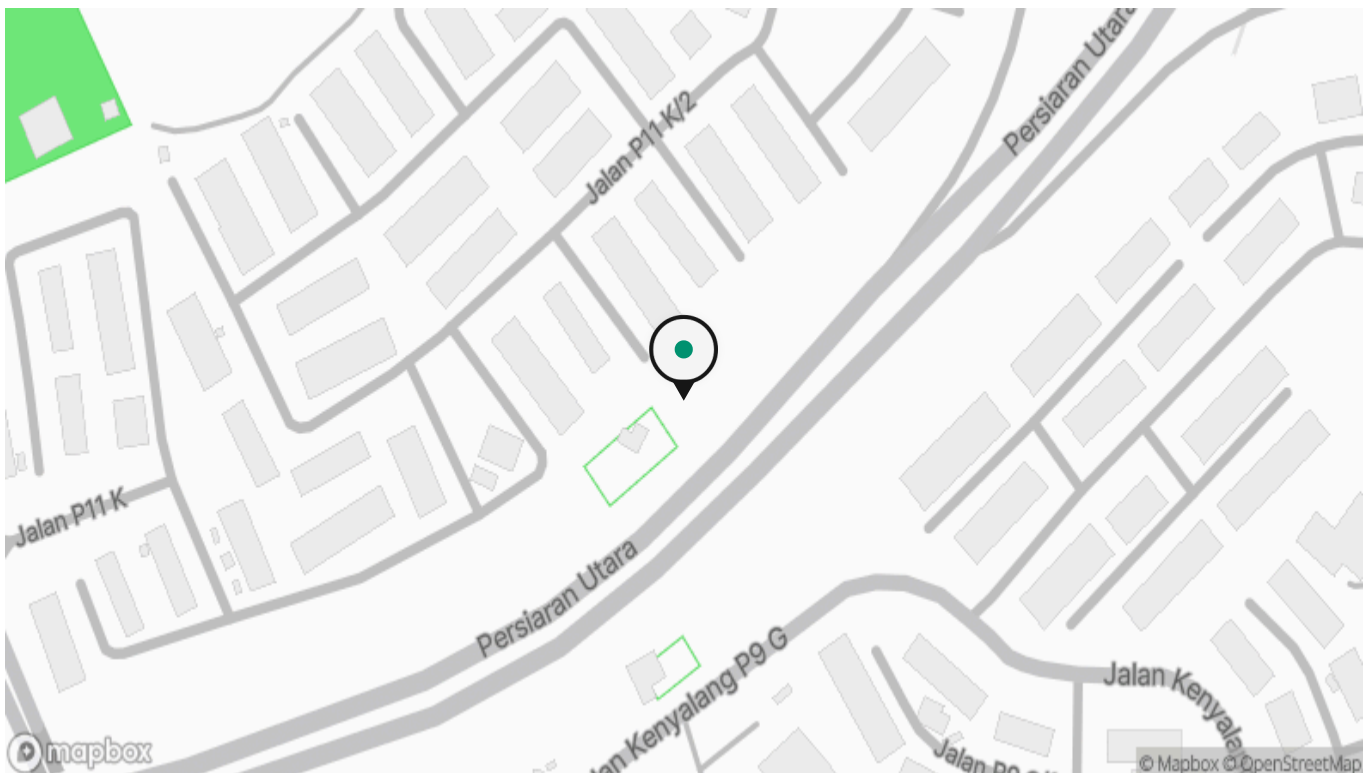
Species
odorata

Common Name
Merawan Siput Jantan

Date of report
1st April, 2026

Address
Persiaran Utara

Position
2.9482374144584753, 101.6802554811056



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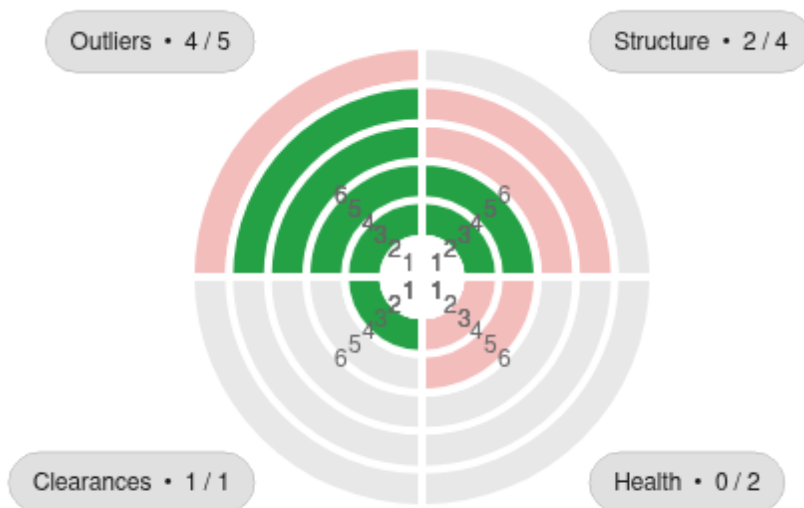
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Structural assessment

- ✗ 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	20.07 m	Crown Spread	Small	3.95 m
Trunk Height	Very high	13.87 m	Tree Protection Zone	Medium	2.46 m
DBH	Medium	0.21 m	Root Protection Zone	Medium	3.69 m
Crown Height	Medium	4.79 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Very high	97.96	Crown Lean Angle	High	9.14 °
Trunk Stability Index		0.3	Trunk Lean Angle	Medium	2.98 °
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	Very high	79.73%	Foliage Transparency	60.15%
Basal Area Increment	-	-	Leaf Area	Small 51 m ²
NDVI	-	-	Leaf Area Index	Low 4.16

Foliage

Leaf Area Density	Medium	1.94 m ² /m ³	Live Crown Ratio	Low 23.83%
Crown Volume	Small	26.4 m ³		

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Benefits

Water management

Avoided Water Runoff	Low	0.03 m ³ /yr	Evaporation	Low	0.45 m ³ /yr
Potential Evapotranspiration	Low	2.73 m ³ /yr	Transpiration	Low	0.53 m ³ /yr
Water Intercepted	Low	0.45 m ³ /yr			

Ecosystem services

Carbon Storage	Medium	112.02 kg	CO Removal	Low	1.31 g/yr
Carbon Sequestration	Medium	13.63 kg/yr	NO ₂ Removal	Low	5.16 g/yr
Oxygen Production	Medium	36.02 kg/yr	O ₃ Removal	Low	62.13 g/yr
PM _{2.5} Removal	Low	3.25 g/yr	SO ₂ Removal	Low	11.13 g/yr

Economical value

Cavat Value erately valu 1,445.96 £

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Outlier information

Height / Crown Volume	Yes	Trunk Diameter / Height	No
Height / Leaf Area	Yes	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Medium 2
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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