

Tree Report of 20575



Genus
Samanea

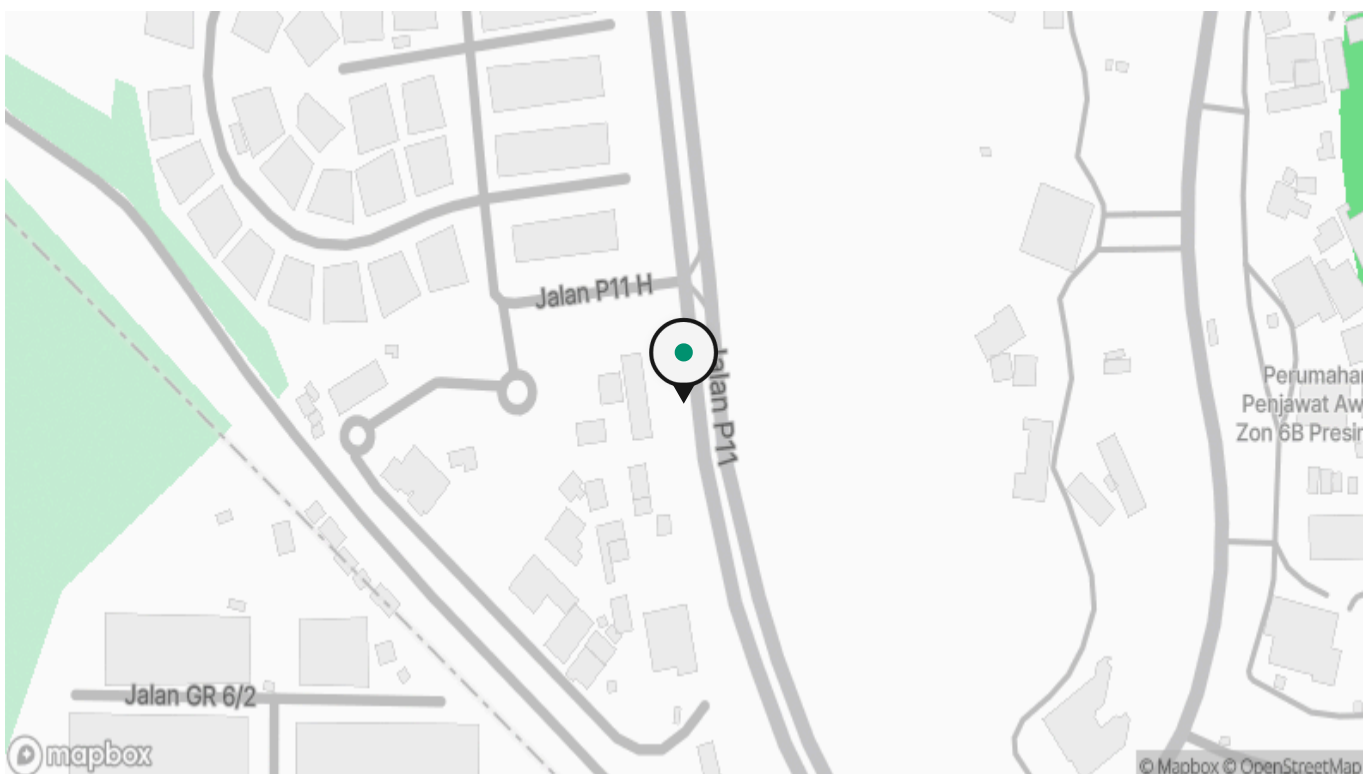
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11

Position
2.952715068514763, 101.67464638006321



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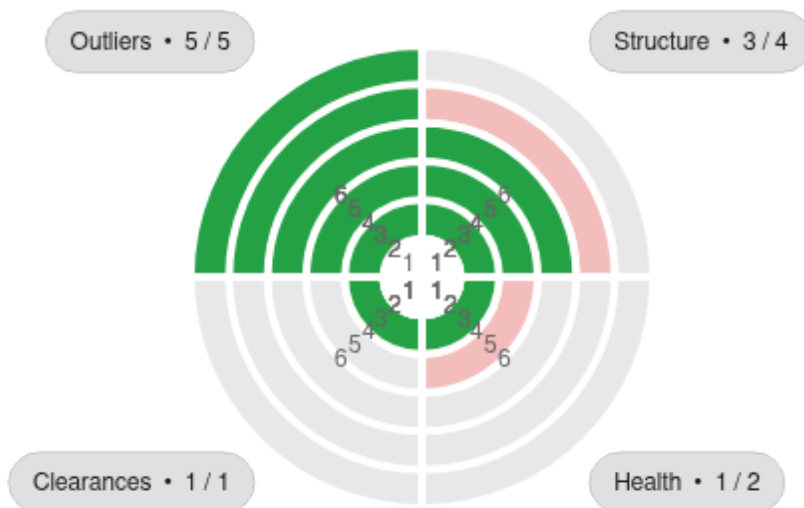
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Structural assessment

- ✗ 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	13.89 m	Crown Spread	Very large	14.86 m
Trunk Height	High	3.12 m	Tree Protection Zone	Very large	5.12 m
DBH	Very large	0.43 m	Root Protection Zone	Very large	7.68 m
Crown Height	Very large	10.34 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Medium	32.56	Crown Lean Angle	Very high	12.47 °
Trunk Stability Index		0.8	Trunk Lean Angle	Very high	19.17 °
Critical Wind Speed		60 kmh			

Limbs

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

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Health and vitality

Condition & Vigor

Dieback	Low	0.23%	Foliage Transparency		34.77%
Basal Area Increment		-	Leaf Area	Very large	801.38 m ²
NDVI		-	Leaf Area Index	Medium	6.13

Foliage

Leaf Area Density	Low	0.76 m ² /m ³	Live Crown Ratio	High	74.42%
Crown Volume	Very large	1,067.78 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.48 m ³ /yr	Evaporation	Very high	8.3 m ³ /yr
Potential Evapotranspiration	Very high	51.2 m ³ /yr	Transpiration	Very high	9.82 m ³ /yr
Water Intercepted	Very high	8.35 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	381.65 kg	CO Removal	Very high	18.54 g/yr
Carbon Sequestration	Very high	53.43 kg/yr	NO ₂ Removal	Very high	73.26 g/yr
Oxygen Production	Very high	141.19 kg/yr	O ₃ Removal	Very high	883 g/yr
PM _{2.5} Removal	Very high	46.11 g/yr	SO ₂ Removal	Very high	158.07 g/yr

Economical value

Cavat Value **ery valuabl** 6,294.72 £

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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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