

Tree Report of 21320



Genus
Samanea

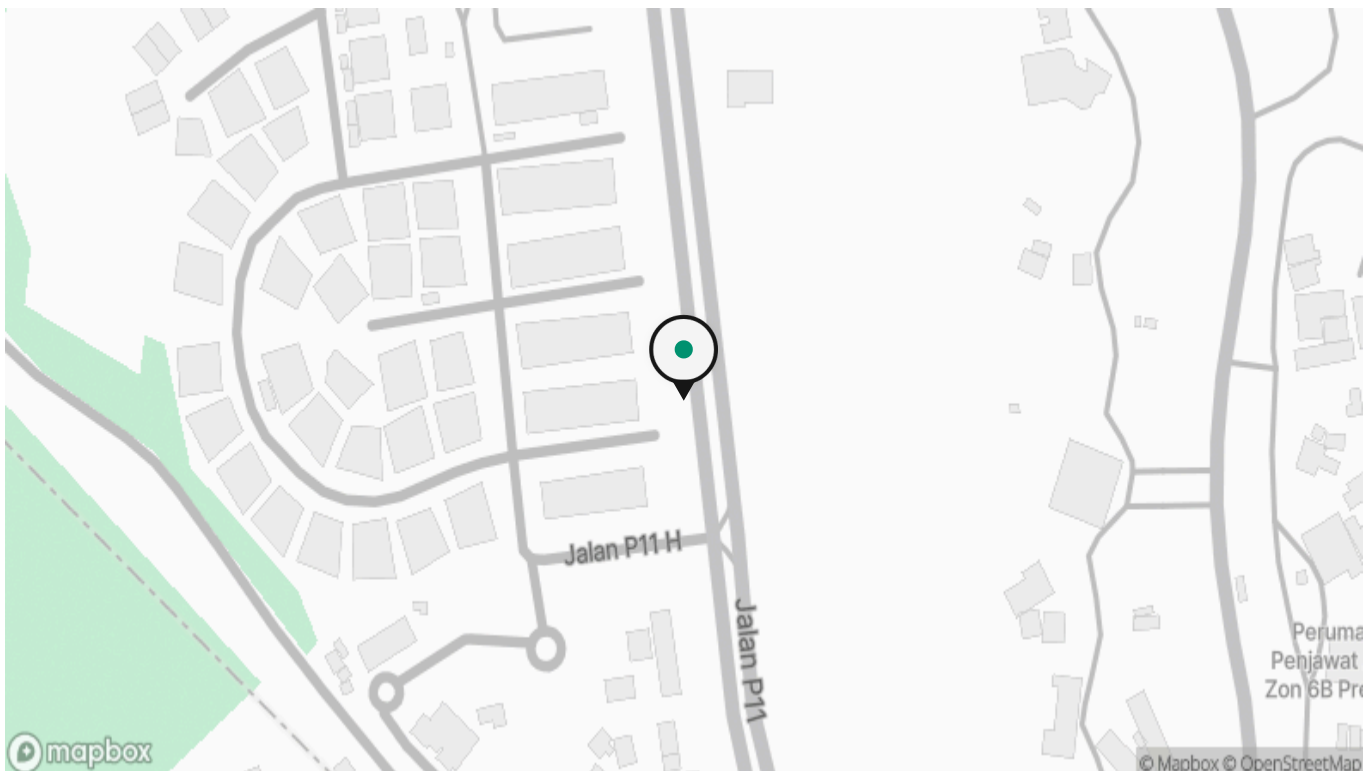
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11

Position
2.95369984993404, 101.67451882260134



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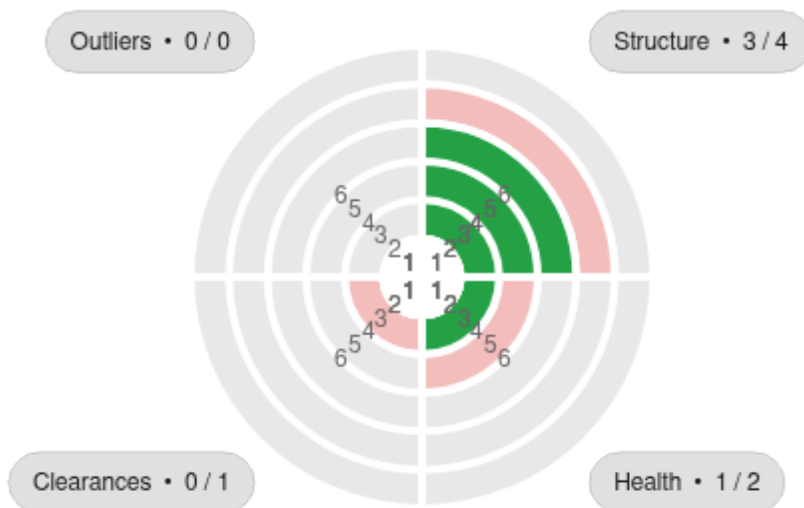
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Structural assessment

- 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	16.7 m	Crown Spread	Very large	21.83 m
Trunk Height	High	2.61 m	Tree Protection Zone	Very large	7.1 m
DBH	Very large	0.6 m	Root Protection Zone	Very large	10.65 m
Crown Height	Very large	13.48 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	28.23	Crown Lean Angle	High	10.15 °
Trunk Stability Index		0.82	Trunk Lean Angle	Very high	9.75 °
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	0.09%	Foliage Transparency	21.7%
Basal Area Increment	-	-	Leaf Area	Very large 2,235.25 m ²
NDVI	-	-	Leaf Area Index	Medium 7.32

Foliage

Leaf Area Density	Low	0.71 m ² /m ³	Live Crown Ratio	High 80.77%
Crown Volume	Very large	3,150.66 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	1 m ³ /yr	Evaporation	Very high	17.54 m ³ /yr
Potential Evapotranspiration	Very high	108.26 m ³ /yr	Transpiration	Very high	20.77 m ³ /yr
Water Intercepted	Very high	17.65 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	968.82 kg	CO Removal	Very high	7.38 g/yr
Carbon Sequestration	Very high	57.47 kg/yr	NO ₂ Removal	Very high	29.14 g/yr
Oxygen Production	Very high	151.86 kg/yr	O ₃ Removal	Very high	351.22 g/yr
PM _{2.5} Removal	Very high	18.34 g/yr	SO ₂ Removal	Very high	62.88 g/yr

Economical value

Cavat Value **Very valuable** 11,405.66 £

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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

⊗ Issue(s) found

↳ Min. height clearance:

3.8 m

Obstruction (height):

0.0 m

Obstruction (volume):

0.6 m³

Affected crown:

0.4%

Wire Clearance

⊘ Not available

Traffic Sign Clearance

⊘ Not available

Visibility Clearance

⊘ Not available

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