

Tree Report of 20622



Genus
Samanea

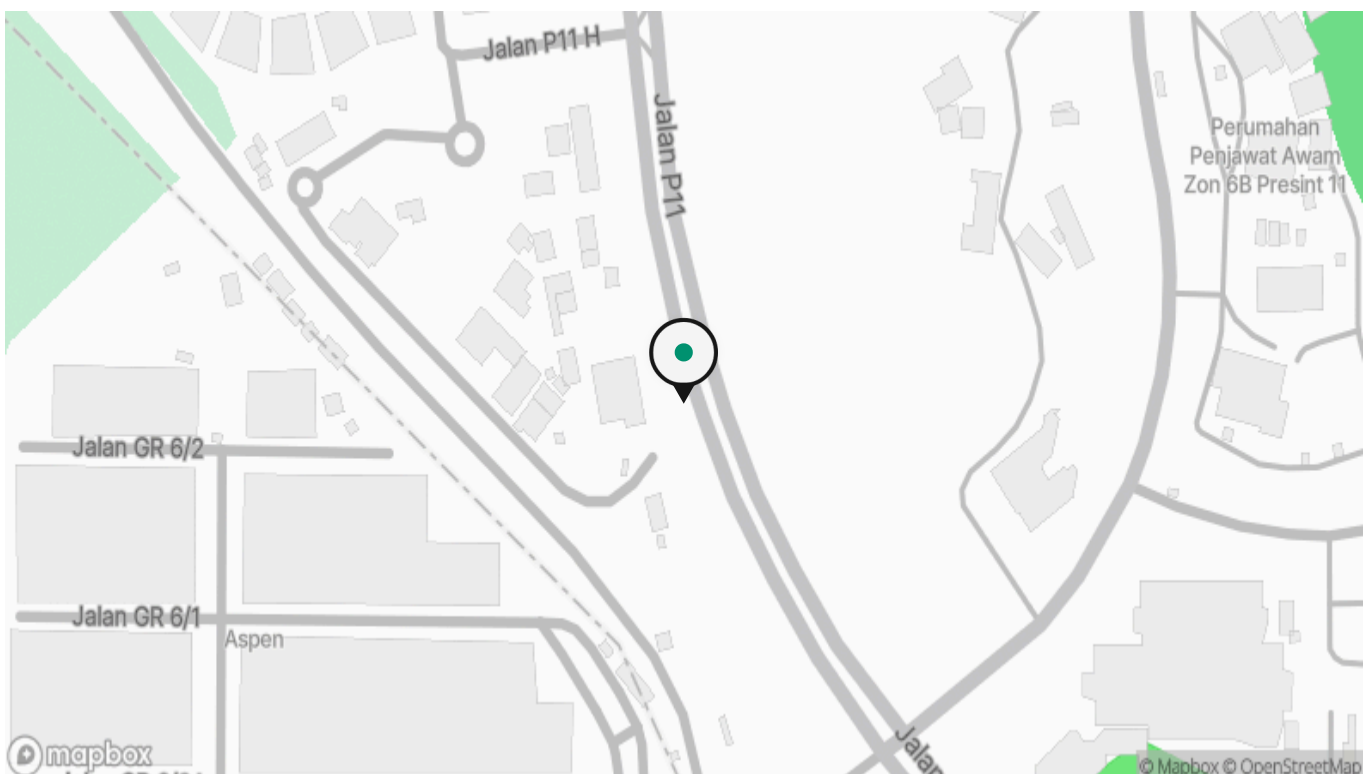
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11

Position
2.9517738091650614, 101.67487701812763



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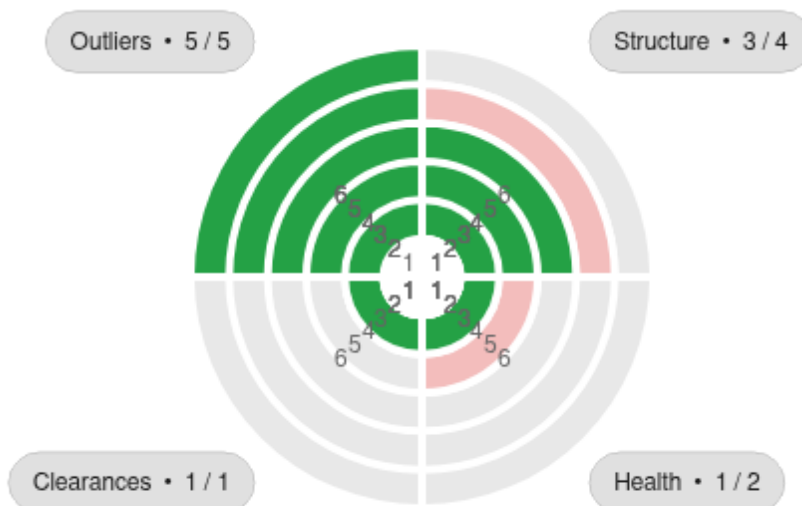
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Structural assessment

- ✗ 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	16.99 m	Crown Spread	Very large	13.85 m
Trunk Height	Very high	12.3 m	Tree Protection Zone	Very large	6.21 m
DBH	Very large	0.52 m	Root Protection Zone	Very large	9.32 m
Crown Height	Very large	11.59 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Medium	32.85	Crown Lean Angle	High	8.55 °
Trunk Stability Index		0.94	Trunk Lean Angle	Very high	7.26 °
Critical Wind Speed		65 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	11.71%	Foliage Transparency	45.07%
Basal Area Increment	-	-	Leaf Area	Large 415.67 m ²
NDVI	-	-	Leaf Area Index	Low 3.48

Foliage

Leaf Area Density	Low	0.47 m ² /m ³	Live Crown Ratio	Medium 68.21%
Crown Volume	Very large	901.5 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.41 m ³ /yr	Evaporation	Very high	7.21 m ³ /yr
Potential Evapotranspiration	Very high	44.49 m ³ /yr	Transpiration	Very high	8.54 m ³ /yr
Water Intercepted	Very high	7.26 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	606.1 kg	CO Removal	Very high	16.11 g/yr
Carbon Sequestration	Very high	69.65 kg/yr	NO ₂ Removal	Very high	63.67 g/yr
Oxygen Production	Very high	184.05 kg/yr	O ₃ Removal	Very high	767.34 g/yr
PM _{2.5} Removal	Very high	40.07 g/yr	SO ₂ Removal	Very high	137.37 g/yr

Economical value

Cavat Value Very valuable 9,245.46 £

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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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