

Tree Report of 20652



Genus
Samanea

Species
saman


Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11

Position
2.951256386320381, 101.67511029524627



 Static map of tree location



Tree Report of 20652



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Samanea

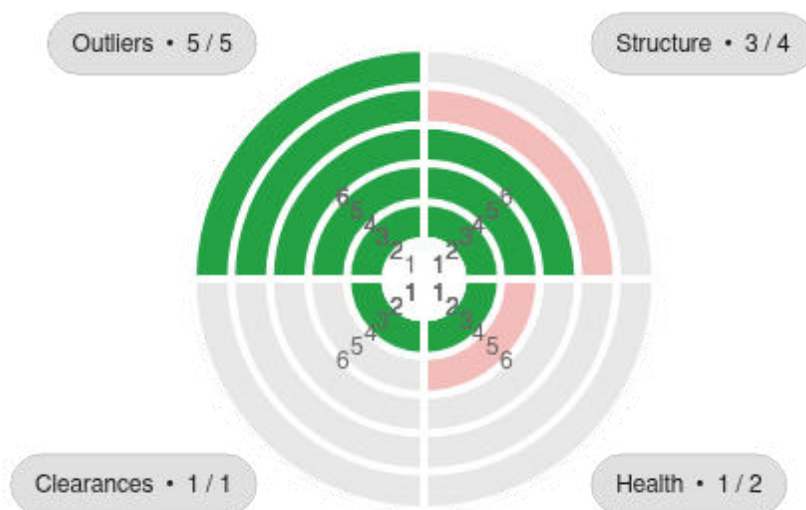
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Structural assessment

- ✗ 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	18.36 m	Crown Spread	Very large	26.79 m
Trunk Height	Medium	2.29 m	Tree Protection Zone	Very large	10.59 m
DBH	Very large	0.89 m	Root Protection Zone	Very large	15.88 m
Crown Height	Large	6.07 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	20.82	Crown Lean Angle	Low	2.95 °
Trunk Stability Index		2.13	Trunk Lean Angle	High	7.21 °
Critical Wind Speed		100 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	0.28%	Foliage Transparency	20.9%
Basal Area Increment	-		Leaf Area	Very large 2,308.86 m ²
NDVI	-		Leaf Area Index	Low 4.68

Foliage

Leaf Area Density	Low	0.54 m ² /m ³	Live Crown Ratio	Low 33.05%
Crown Volume	Very large	4,287.66 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	1.53 m ³ /yr	Evaporation	Very high	26.95 m ³ /yr
Potential Evapotranspiration	Very high	166.4 m ³ /yr	Transpiration	Very high	31.92 m ³ /yr
Water Intercepted	Very high	27.13 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	2,296.37 kg	CO Removal	Very high	60.25 g/yr
Carbon Sequestration	Very high	158.22 kg/yr	NO ₂ Removal	Very high	238.12 g/yr
Oxygen Production	Very high	418.09 kg/yr	O ₃ Removal	Very high	2,870.05 g/yr
PM _{2.5} Removal	Very high	149.85 g/yr	SO ₂ Removal	Very high	513.77 g/yr

Economical value

Cavat Value	Very valuable	26,805.88 £
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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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