

Tree Report of 21015



Genus
Samanea

Species
saman


Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11

Position
2.947085016603495, 101.67715153172226



 Static map of tree location



Tree Report of 21015



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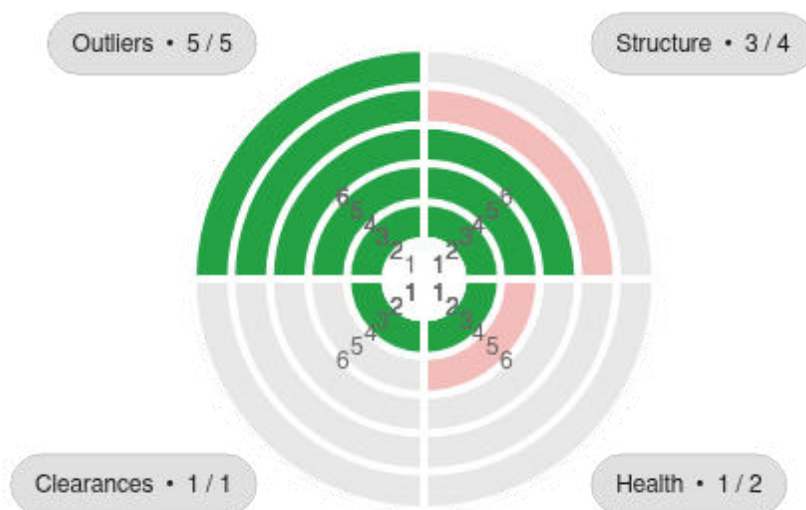
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Structural assessment

- ✗ 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	17.91 m	Crown Spread	Very large	17.32 m
Trunk Height	Very high	3.37 m	Tree Protection Zone	Very large	8.09 m
DBH	Very large	0.68 m	Root Protection Zone	Very large	12.13 m
Crown Height	Very large	14.45 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	26.58	Crown Lean Angle	Medium	4.27 °
Trunk Stability Index		1.63	Trunk Lean Angle	Very high	19.78 °
Critical Wind Speed		85 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	0.27%	Foliage Transparency	24.19%
Basal Area Increment	-		Leaf Area	Very large 1,426.49 m ²
NDVI	-		Leaf Area Index	Medium 6.8

Foliage

Leaf Area Density	Low	0.78 m ² /m ³	Live Crown Ratio	High 80.69%
Crown Volume	Very large	1,829.57 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.64 m ³ /yr	Evaporation	Very high	11.26 m ³ /yr
Potential Evapotranspiration	Very high	69.52 m ³ /yr	Transpiration	Very high	13.34 m ³ /yr
Water Intercepted	Very high	11.34 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,160.93 kg	CO Removal	Very high	25.17 g/yr
Carbon Sequestration	Very high	104.59 kg/yr	NO ₂ Removal	Very high	99.47 g/yr
Oxygen Production	Very high	276.38 kg/yr	O ₃ Removal	Very high	1,198.91 g/yr
PM _{2.5} Removal	Very high	62.6 g/yr	SO ₂ Removal	Very high	214.62 g/yr

Economical value

Cavat Value **Very valuable** 15,657.02 £

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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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