

Tree Report of
21307



Genus Samanea	Species saman	Common Name Hujan-hujan	Date of report 27th January, 2026
Address Jalan P11	Position 2.9554531342300407, 101.6742718669852		



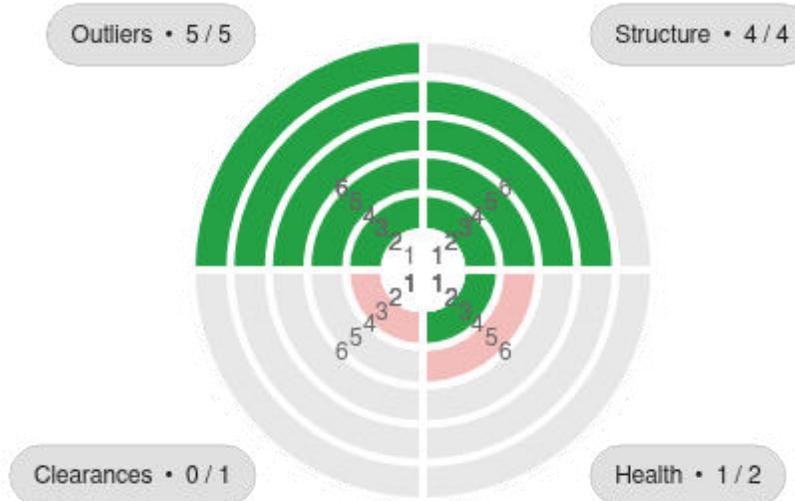
Static map of tree location



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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	16.63 m	Crown Spread	Very large	25.51 m
Trunk Height	High	3.08 m	Tree Protection Zone	Very large	11.05 m
DBH	Very large	0.93 m	Root Protection Zone	Very large	16.57 m
Crown Height	Very large	14.97 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	18.07	Crown Lean Angle	Very high	12.54 °
Trunk Stability Index		3.76	Trunk Lean Angle	Very high	7.84 °
Critical Wind Speed	130 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	1.36%	Foliage Transparency	27.65%
Basal Area Increment	-	Leaf Area	Very large	3,246.46 m ²
NDVI	-	Leaf Area Index	Medium	6.83

Foliage

Leaf Area Density	Low	0.68 m ² /m ³	Live Crown Ratio	Very high	90.01%
Crown Volume	Very large	4,789.76 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	1.34 m ³ /yr	Evaporation	Very high	23.5 m ³ /yr
Potential Evapotranspiration	Very high	145.06 m ³ /yr	Transpiration	Very high	27.83 m ³ /yr
Water Intercepted	Very high	23.65 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	2,588.75 kg	CO Removal	Very high	9.37 g/yr
Carbon Sequestration	Very high	108.81 kg/yr	NO ₂ Removal	Very high	37 g/yr
Oxygen Production	Very high	287.54 kg/yr	O ₃ Removal	Very high	445.95 g/yr
PM _{2.5} Removal	Very high	23.29 g/yr	SO ₂ Removal	Very high	79.83 g/yr

Economical value

Cavat Value	Very valuable	30,633.65 £
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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

 Issue(s) found

↳ Min. height clearance:	1.8 m
Obstruction (height):	0.0 m
Obstruction (volume):	9.2 m ³
Affected crown:	4.4%

Wire Clearance

 Not available

Traffic Sign Clearance

 Not available

Visibility Clearance

 Not available

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