

Tree Report of
30842



Genus
Samanea

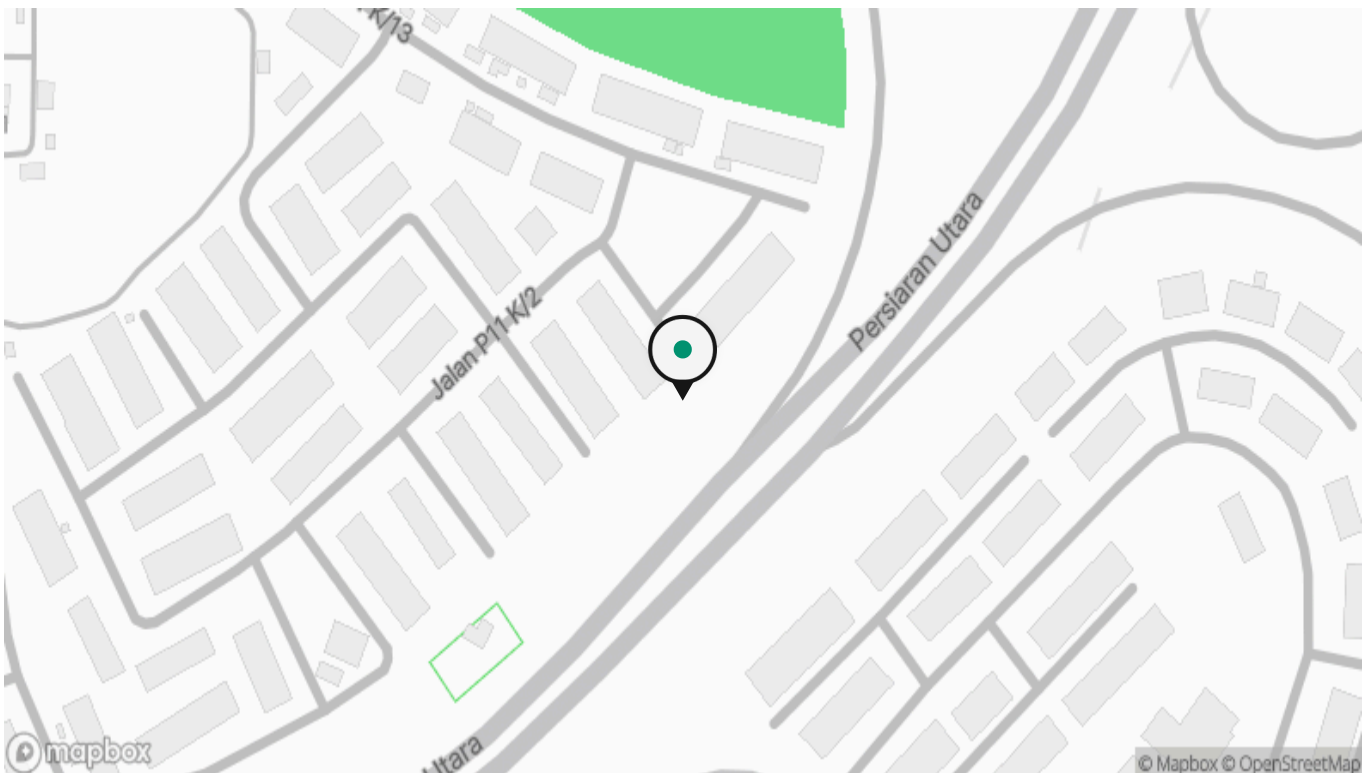
Species
saman

Common Name
Hujan-hujan

Date of report
1st April, 2026

Address
Jalan P11 K/11

Position
2.948979533663902, 101.68093289222806



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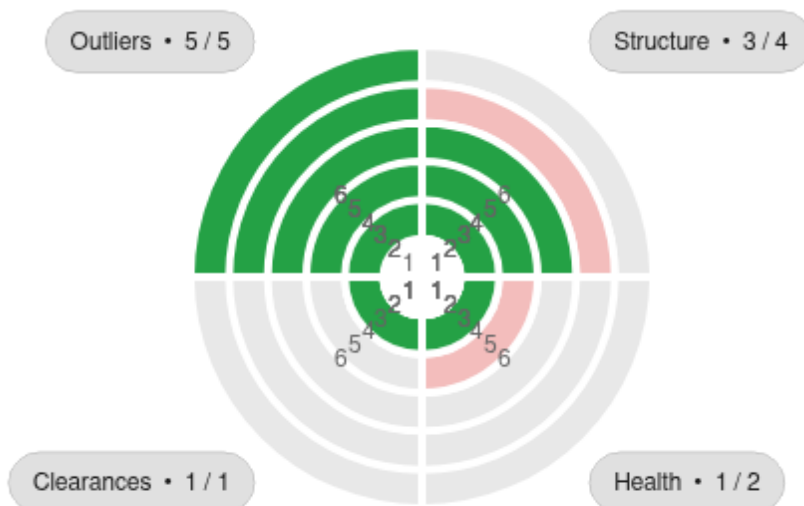
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Structural assessment

- ✗ 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	16.14 m	Crown Spread	Very large	16.16 m
Trunk Height	High	2.86 m	Tree Protection Zone	Very large	8.12 m
DBH	Very large	0.68 m	Root Protection Zone	Very large	12.18 m
Crown Height	Very large	10.71 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	23.86	Crown Lean Angle	Very high	14.81 °
Trunk Stability Index		2	Trunk Lean Angle	Very high	12.25 °
Critical Wind Speed		95 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	12.56%	Foliage Transparency	41.66%
Basal Area Increment	-	-	Leaf Area	Very large 739.25 m ²
NDVI	-	-	Leaf Area Index	Low 4.08

Foliage

Leaf Area Density	Low	0.62 m ² /m ³	Live Crown Ratio	Medium 66.35%
Crown Volume	Very large	1,211.27 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.56 m ³ /yr	Evaporation	Very high	9.81 m ³ /yr
Potential Evapotranspiration	Very high	60.57 m ³ /yr	Transpiration	Very high	11.62 m ³ /yr
Water Intercepted	Very high	9.88 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,173.87 kg	CO Removal	Very high	21.93 g/yr
Carbon Sequestration	Very high	105.46 kg/yr	NO ₂ Removal	Very high	86.67 g/yr
Oxygen Production	Very high	278.67 kg/yr	O ₃ Removal	Very high	1,044.59 g/yr
PM _{2.5} Removal	Very high	54.54 g/yr	SO ₂ Removal	Very high	187 g/yr

Economical value

Cavat Value **ery valuabl** 15,898.32 £

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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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