

Tree Report of
30843



Genus
Samanea

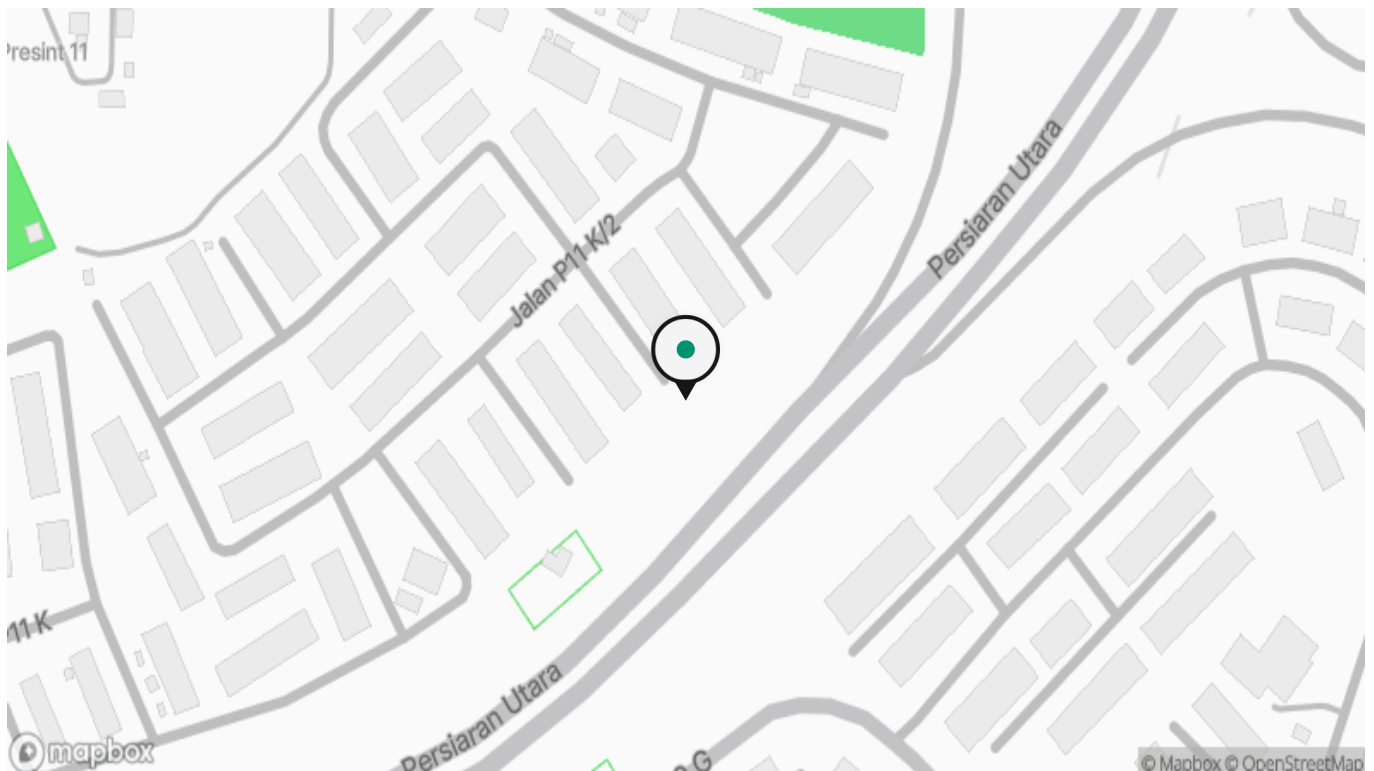
Species
saman

Common Name
Hujan-hujan

Date of report
1st April, 2026

Address
Jalan P11 K/7

Position
2.9487046484517663, 101.68059780895466



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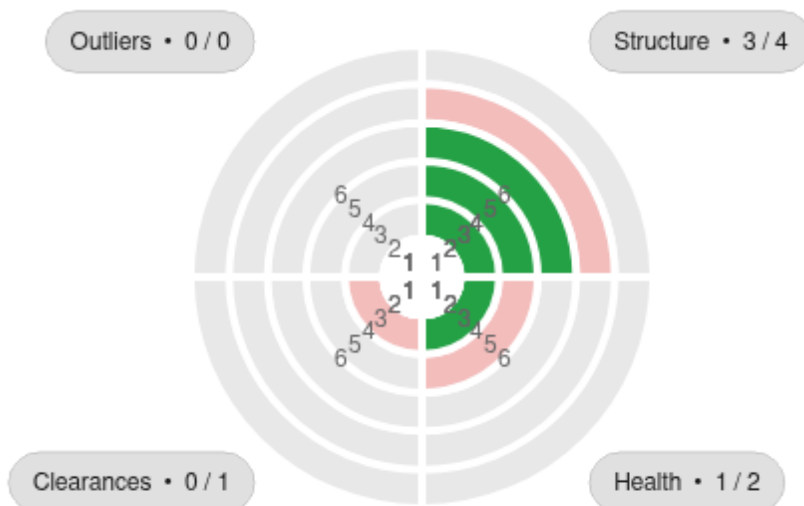
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Structural assessment

- 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	17.59 m	Crown Spread	Very large	19.91 m
Trunk Height	High	3.24 m	Tree Protection Zone	Very large	7.01 m
DBH	Very large	0.59 m	Root Protection Zone	Very large	10.51 m
Crown Height	Very large	15.63 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Medium	30.13	Crown Lean Angle	High	8.24 °
Trunk Stability Index		1.05	Trunk Lean Angle	Very high	9.36 °
Critical Wind Speed		70 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	0.39%	Foliage Transparency	35.59%
Basal Area Increment	-	-	Leaf Area	Very large 1,359.87 m ²
NDVI	-	-	Leaf Area Index	Low 5.09

Foliage

Leaf Area Density	Low	0.6 m ² /m ³	Live Crown Ratio	Very high 88.86%
Crown Volume	Very large	2,271.97 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.85 m ³ /yr	Evaporation	Very high	14.89 m ³ /yr
Potential Evapotranspiration	Very high	91.9 m ³ /yr	Transpiration	Very high	17.63 m ³ /yr
Water Intercepted	Very high	14.99 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,020.91 kg	CO Removal	Very high	33.27 g/yr
Carbon Sequestration	High	46.69 kg/yr	NO ₂ Removal	Very high	131.5 g/yr
Oxygen Production	High	123.37 kg/yr	O ₃ Removal	Very high	1,584.96 g/yr
PM _{2.5} Removal	Very high	82.76 g/yr	SO ₂ Removal	Very high	283.73 g/yr

Economical value

Cavat Value **Very valuable** 11,757.13 £

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Outlier information

Height / Crown Volume	-	Trunk Diameter / Height	-
Height / Leaf Area	-	Trunk Diameter / Leaf Area	-
Leaf Area Density Outlier	-	Overall Outlier Index	-
Trunk Diameter / Crown Volume	-		

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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):

1.4 m³

Affected crown:

1.2%

Wire Clearance

⌵ Not available

Traffic Sign Clearance

⌵ Not available

Visibility Clearance

⌵ Not available

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