

Tree Report of
30374



Genus
Samanea

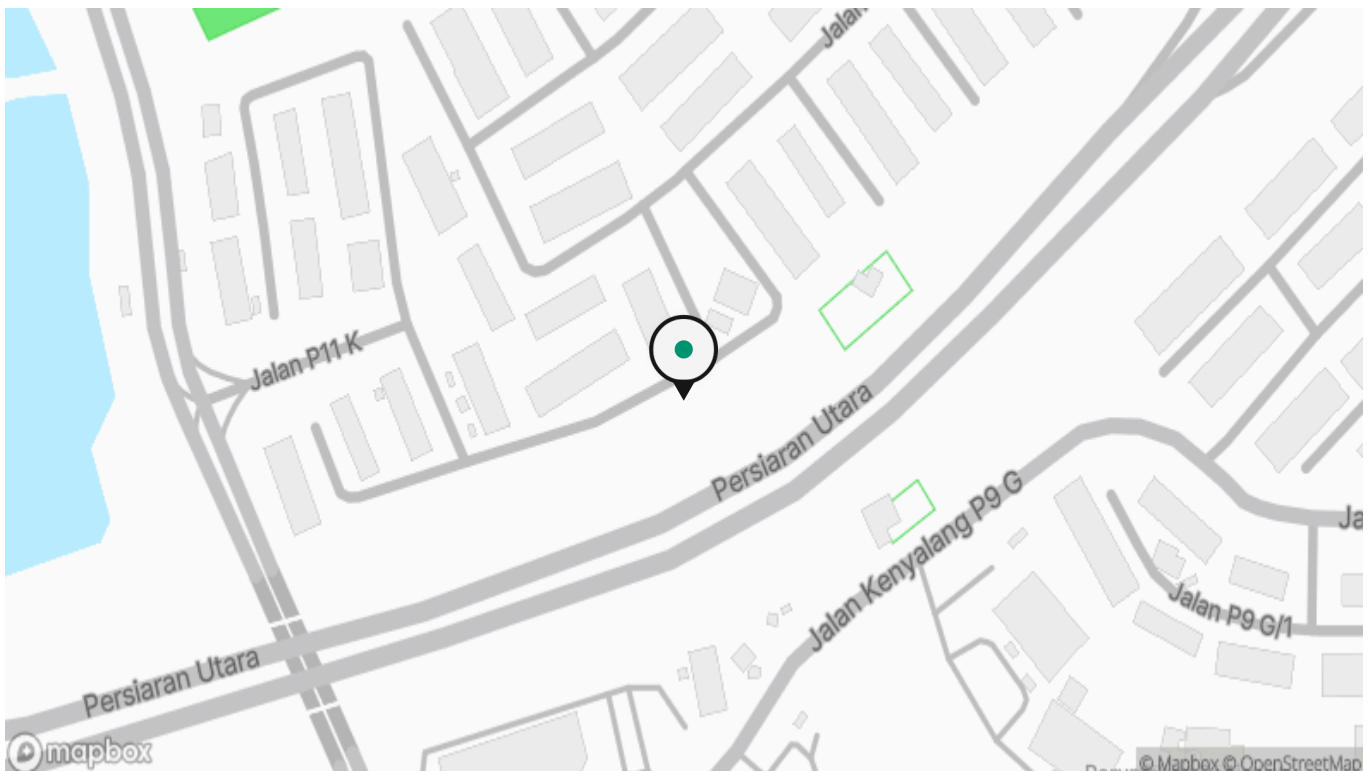
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11 K/5

Position
2.947644417751519, 101.67921839376069



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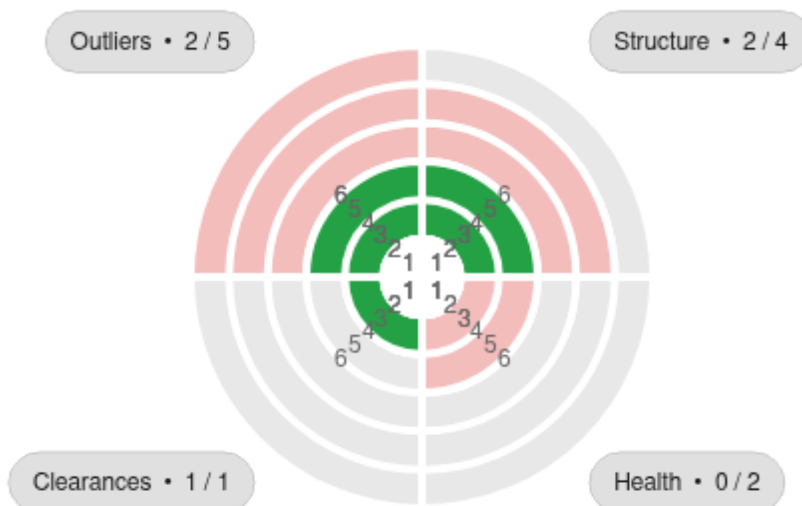
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Structural assessment

- 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	14.12 m	Crown Spread	Very large	10 m
Trunk Height	High	2.55 m	Tree Protection Zone	Very large	5.86 m
DBH	Very large	0.49 m	Root Protection Zone	Very large	8.79 m
Crown Height	Large	6.82 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	28.92	Crown Lean Angle	Low	1.59 °
Trunk Stability Index		1.47	Trunk Lean Angle	Medium	3.62 °
Critical Wind Speed		80 kmh			

Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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Health and vitality

Condition & Vigor

Dieback	Very high	65.62%	Foliage Transparency	51.97%
Basal Area Increment	-	-	Leaf Area	Small 65.74 m ²
NDVI	-	-	Leaf Area Index	Low 1.1

Foliage

Leaf Area Density	Low	0.22 m ² /m ³	Live Crown Ratio	Low 48.29%
Crown Volume	Large	298.84 m ³		

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Benefits

Water management

Avoided Water Runoff	High	0.17 m ³ /yr	Evaporation	High	2.84 m ³ /yr
Potential Evapotranspiration	High	17.54 m ³ /yr	Transpiration	High	3.37 m ³ /yr
Water Intercepted	High	2.86 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	524.01 kg	CO Removal	Very high	8.4 g/yr
Carbon Sequestration	High	48.81 kg/yr	NO ₂ Removal	Very high	33.19 g/yr
Oxygen Production	High	128.96 kg/yr	O ₃ Removal	Very high	400 g/yr
PM _{2.5} Removal	Very high	20.89 g/yr	SO ₂ Removal	Very high	71.61 g/yr

Economical value

Cavat Value **ery valuabl** 8,271.75 £

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Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	Yes	Trunk Diameter / Leaf Area	Yes
Leaf Area Density Outlier	Yes	Overall Outlier Index	High 4
Trunk Diameter / Crown Volume	Yes		

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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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