

Tree Report of
30396



Genus
Samanea

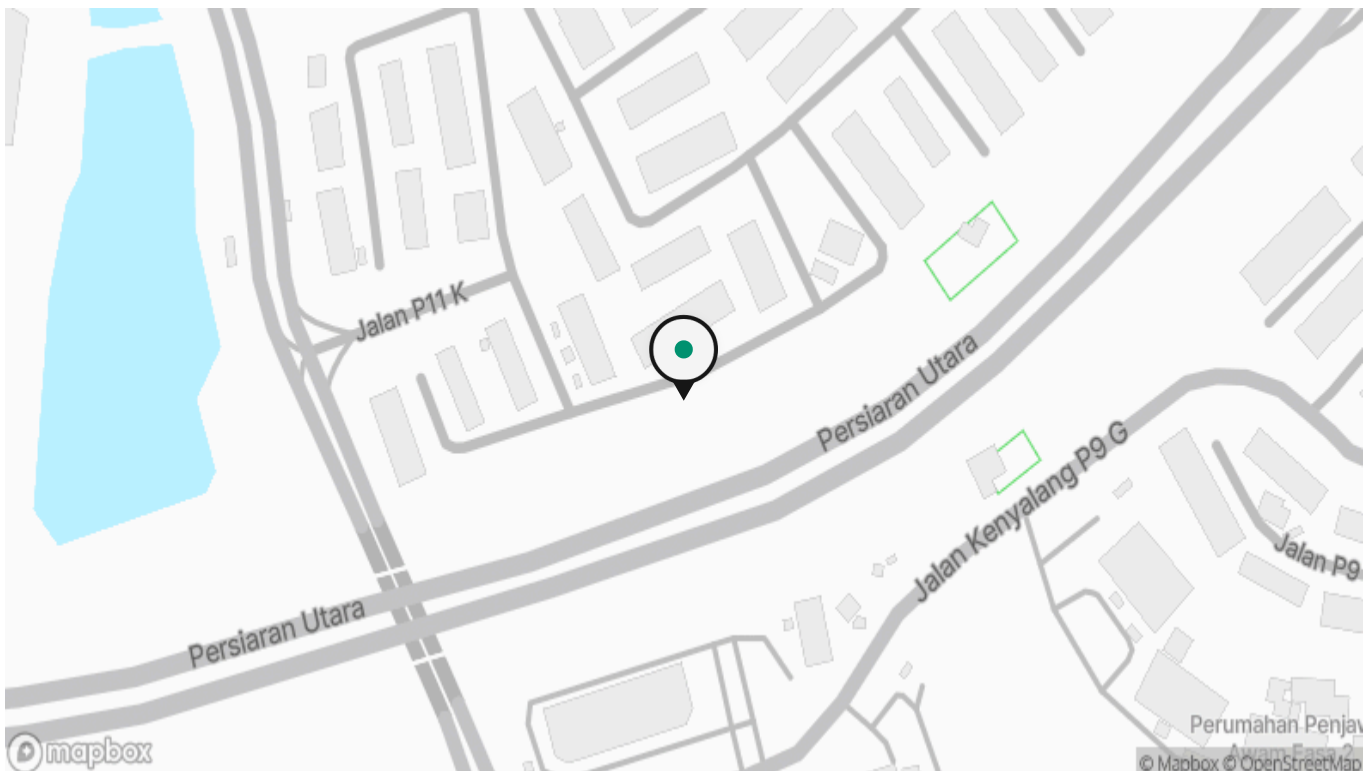
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11 K/5

Position
2.947457077444213, 101.67875315622908



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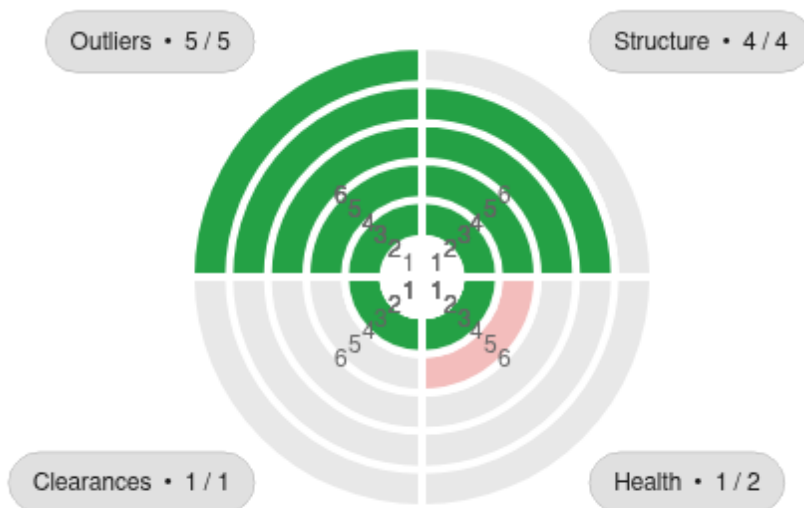
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Structural assessment

- ✓ 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	13.8 m	Crown Spread	Very large	19.13 m
Trunk Height	High	3.01 m	Tree Protection Zone	Very large	8.76 m
DBH	Very large	0.73 m	Root Protection Zone	Very large	13.14 m
Crown Height	Large	6.83 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	18.9	Crown Lean Angle	High	8.64 °
Trunk Stability Index		3.49	Trunk Lean Angle	Very high	8.06 °
Critical Wind Speed		125 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	1.7%	Foliage Transparency	12.93%
Basal Area Increment	-	-	Leaf Area	Very large 1,229.5 m ²
NDVI	-	-	Leaf Area Index	Low 4.66

Foliage

Leaf Area Density	Low	0.8 m ² /m ³	Live Crown Ratio	Low 49.52%
Crown Volume	Very large	1,551.55 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.91 m ³ /yr	Evaporation	Very high	15.93 m ³ /yr
Potential Evapotranspiration	Very high	98.35 m ³ /yr	Transpiration	Very high	18.87 m ³ /yr
Water Intercepted	Very high	16.04 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,428.64 kg	CO Removal	Very high	30.74 g/yr
Carbon Sequestration	Very high	137.81 kg/yr	NO ₂ Removal	Very high	121.47 g/yr
Oxygen Production	Very high	364.17 kg/yr	O ₃ Removal	Very high	1,464.08 g/yr
PM _{2.5} Removal	Very high	76.44 g/yr	SO ₂ Removal	Very high	262.09 g/yr

Economical value

Cavat Value **ery valuabl** 18,365.2 £

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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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