

Tree Report of
30333



Genus
Samanea

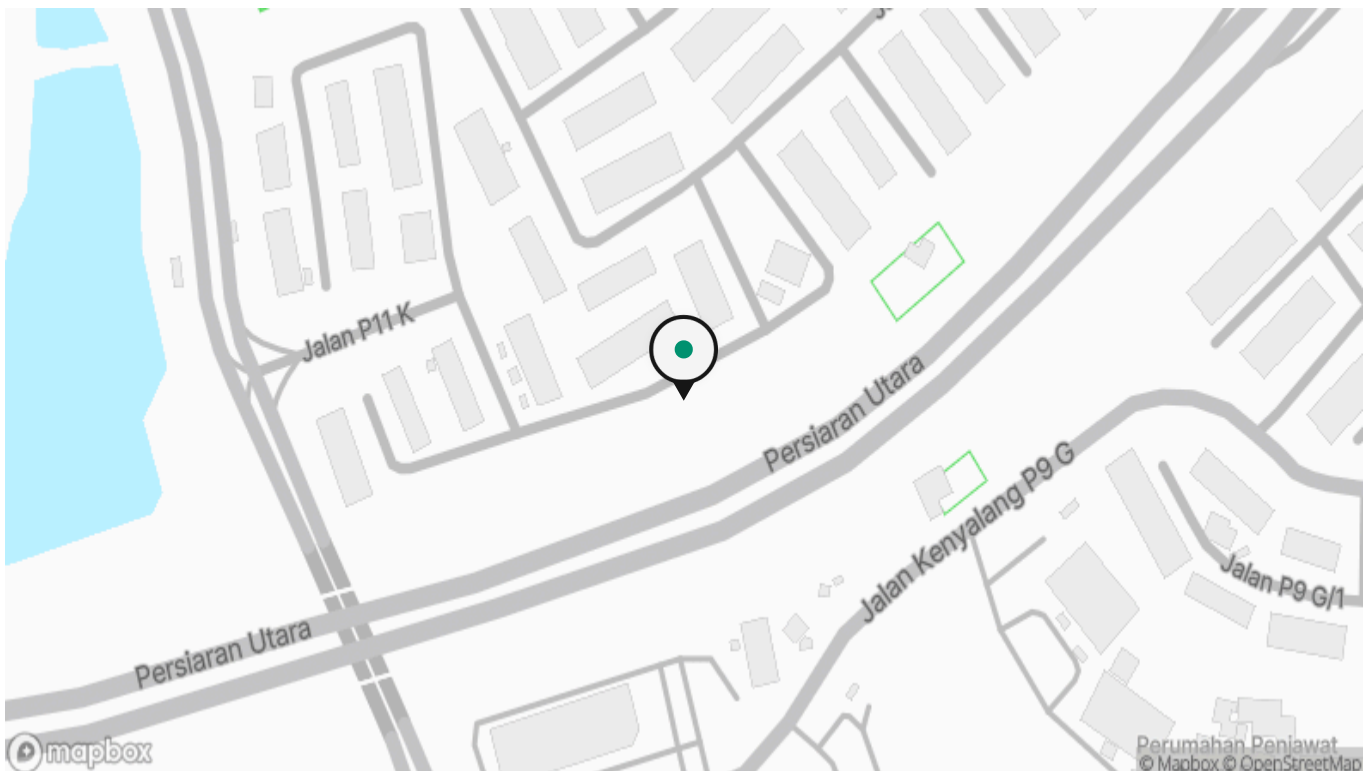
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11 K/5

Position
2.9475352314417336, 101.67898948773258



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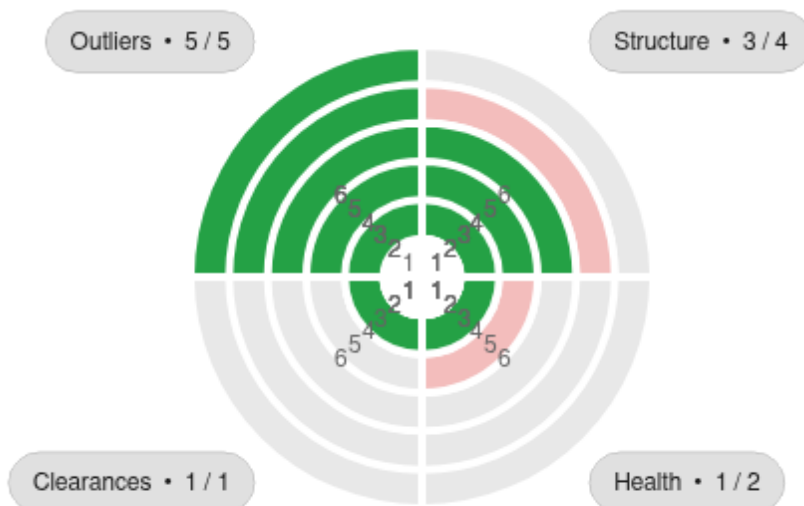
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Structural assessment

- ✗ 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	16.49 m	Crown Spread	Very large	20.17 m
Trunk Height	High	3.03 m	Tree Protection Zone	Very large	7.45 m
DBH	Very large	0.63 m	Root Protection Zone	Very large	11.17 m
Crown Height	Very large	9.55 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	26.58	Crown Lean Angle	Very high	14.98 °
Trunk Stability Index		1.39	Trunk Lean Angle	Very high	10.23 °
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	Low	9.98%	Foliage Transparency		34.51%
Basal Area Increment		-	Leaf Area	Very large	793.24 m ²
NDVI		-	Leaf Area Index	Low	3.44

Foliage

Leaf Area Density	Low	0.44 m ² /m ³	Live Crown Ratio	Low	57.92%
Crown Volume	Very large	1,823.85 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.87 m ³ /yr	Evaporation	Very high	15.28 m ³ /yr
Potential Evapotranspiration	Very high	94.31 m ³ /yr	Transpiration	Very high	18.09 m ³ /yr
Water Intercepted	Very high	15.38 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	959.42 kg	CO Removal	Very high	34.15 g/yr
Carbon Sequestration	Very high	93.24 kg/yr	NO ₂ Removal	Very high	134.95 g/yr
Oxygen Production	Very high	246.4 kg/yr	O ₃ Removal	Very high	1,626.49 g/yr
PM _{2.5} Removal	Very high	84.92 g/yr	SO ₂ Removal	Very high	291.16 g/yr

Economical value

Cavat Value **ery valuabl** 13,289.83 £

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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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