

Tree Report of
30415



Genus
Samanea

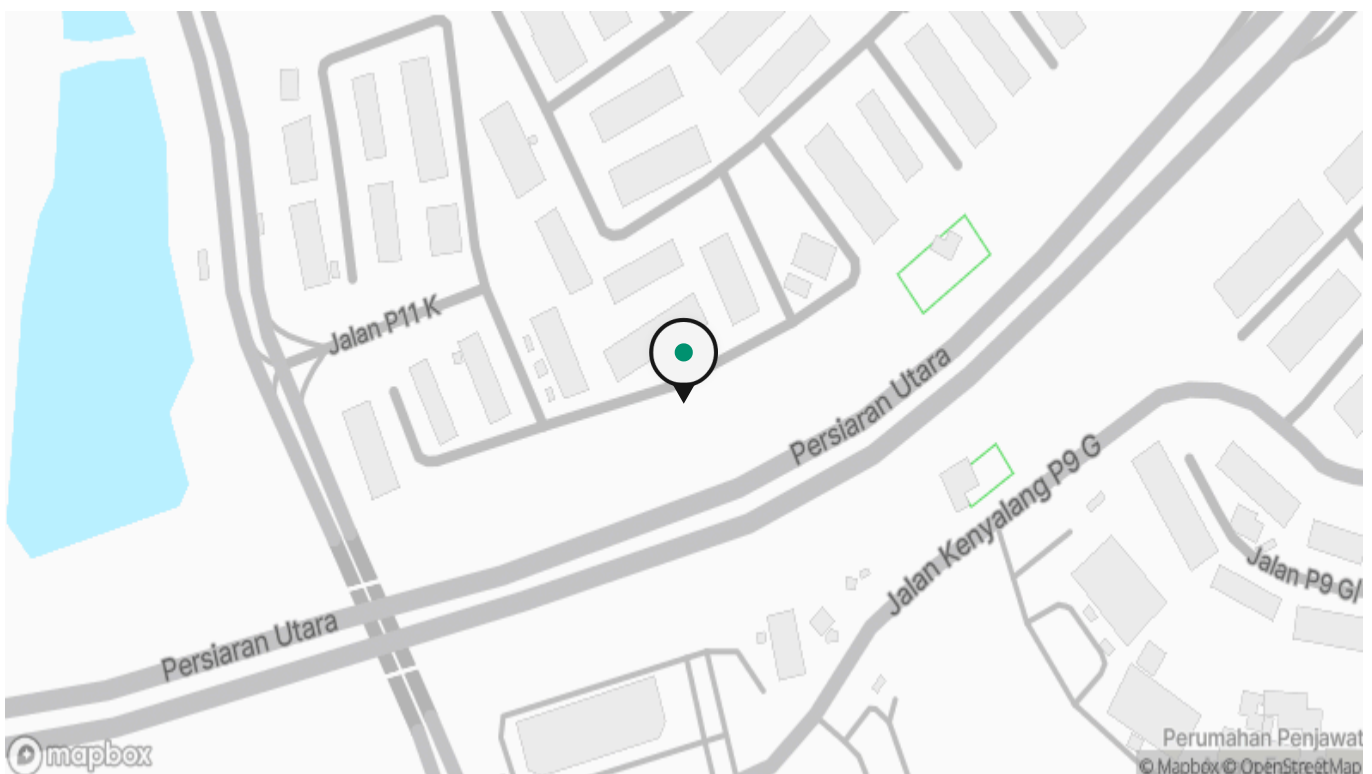
Species
saman

Common Name
Hujan-hujan

Date of report
16th March, 2026

Address
Jalan P11 K/5

Position
2.947496342104074, 101.67887285807862



Tree Report of 30415



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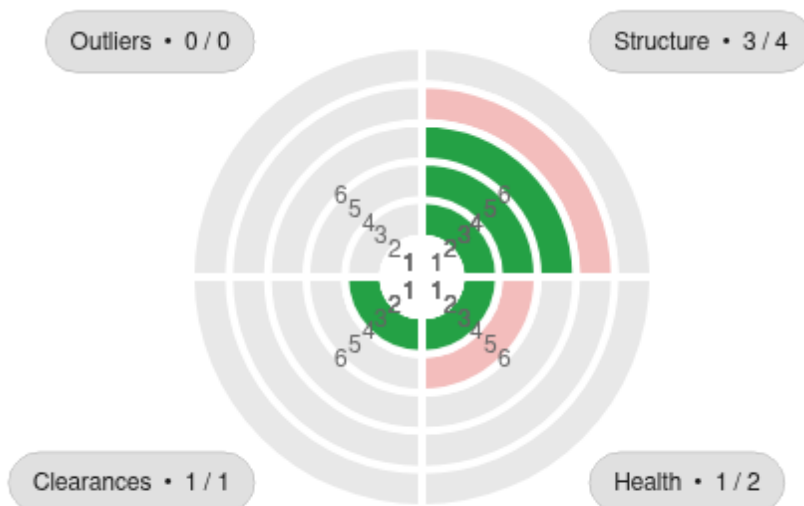
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Structural assessment

- 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	13.73 m	Crown Spread	Very large	22.2 m
Trunk Height	Medium	2.1 m	Tree Protection Zone	Very large	7.14 m
DBH	Very large	0.6 m	Root Protection Zone	Very large	10.71 m
Crown Height	Very large	10.51 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	23.1	Crown Lean Angle	Very high	18.4 °
Trunk Stability Index		1.43	Trunk Lean Angle	Very high	17.93 °
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	1.81%	Foliage Transparency	30.57%
Basal Area Increment	-	-	Leaf Area	Very large 1,832.83 m ²
NDVI	-	-	Leaf Area Index	Medium 6.52

Foliage

Leaf Area Density	Low	0.83 m ² /m ³	Live Crown Ratio	High 76.55%
Crown Volume	Very large	2,212.48 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	1.07 m ³ /yr	Evaporation	Very high	18.71 m ³ /yr
Potential Evapotranspiration	Very high	115.53 m ³ /yr	Transpiration	Very high	22.16 m ³ /yr
Water Intercepted	Very high	18.84 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	909.8 kg	CO Removal	Very high	41.83 g/yr
Carbon Sequestration	Very high	90.38 kg/yr	NO ₂ Removal	Very high	165.32 g/yr
Oxygen Production	Very high	238.83 kg/yr	O ₃ Removal	Very high	1,992.51 g/yr
PM _{2.5} Removal	Very high	104.03 g/yr	SO ₂ Removal	Very high	356.68 g/yr

Economical value

Cavat Value Very valuable 12,660.66 £

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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

No issue

Wire Clearance

Not available

Traffic Sign Clearance

Not available

Visibility Clearance

Not available

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