

Tree Report of  
**20645**



Genus  
**Samanea**

Species  
**saman**

Common Name  
**Hujan-hujan**

Date of report  
**27th January, 2026**

Address  
**Jalan P11**

Position  
**2.951560995654347, 101.67516290000086**



 Static map of tree location



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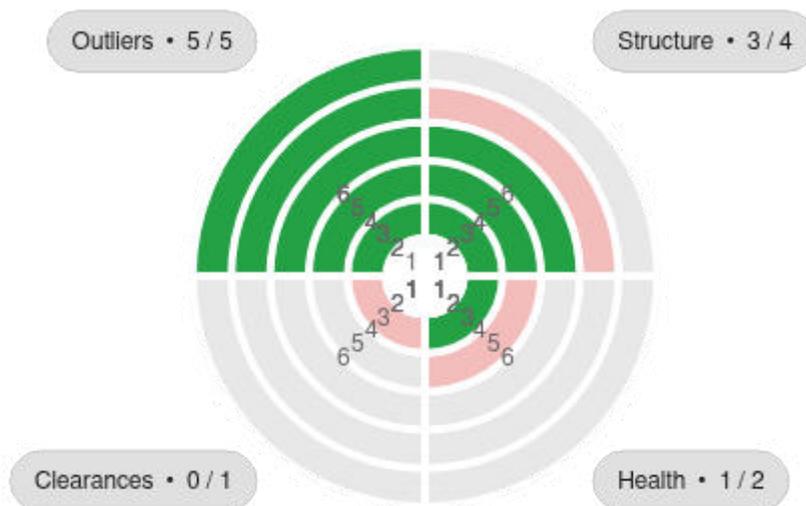
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## Structural assessment

- ✗ 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	16.26 m	Crown Spread	Very large	17.94 m
Trunk Height	Very high	11.8 m	Tree Protection Zone	Very large	8.74 m
DBH	Very large	0.73 m	Root Protection Zone	Very large	13.11 m
Crown Height	Very large	12.39 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	<b>Low</b>	22.33	Crown Lean Angle	<b>Very high</b>	16.74 °
Trunk Stability Index		1.94	Trunk Lean Angle	<b>Very high</b>	14.45 °
Critical Wind Speed		95 kmh			

### Limbs

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

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## Health and vitality

### Condition & Vigor

Dieback	<b>Low</b>	0.13%	Foliage Transparency	25.57%
Basal Area Increment	-	-	Leaf Area	<b>Very large</b> 1,332.68 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	<b>Medium</b> 5.92

### Foliage

Leaf Area Density	<b>Low</b>	0.64 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	<b>High</b> 76.23%
Crown Volume	<b>Very large</b>	2,083.4 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.69 m <sup>3</sup> /yr	Evaporation	Very high	12.1 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	74.66 m <sup>3</sup> /yr	Transpiration	Very high	14.32 m <sup>3</sup> /yr
Water Intercepted	Very high	12.18 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	1,395.61 kg	CO Removal	Very high	14.1 g/yr
Carbon Sequestration	Very high	116.94 kg/yr	NO <sub>2</sub> Removal	Very high	55.73 g/yr
Oxygen Production	Very high	309.02 kg/yr	O <sub>3</sub> Removal	Very high	671.67 g/yr
PM <sub>2.5</sub> Removal	Very high	35.07 g/yr	SO <sub>2</sub> Removal	Very high	120.24 g/yr

### Economical value

Cavat Value **ery valuabl** 18,392.86 £

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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**

⊗ Issue(s) found

↳ Min. height clearance:

1.9 m

Obstruction (height):

0.0 m

Obstruction (volume):

0.0 m<sup>3</sup>

Affected crown:

0.0%

**Wire Clearance**

⌵ Not available

**Traffic Sign Clearance**

⌵ Not available

**Visibility Clearance**

⌵ Not available

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