

# Tree Report of 21336



Genus  
**Samanea**

Species  
**saman**


Common Name  
**Hujan-hujan**

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

Address  
**Jalan P11**

Position  
**2.953787110864809, 101.67450367963824**



 Static map of tree location



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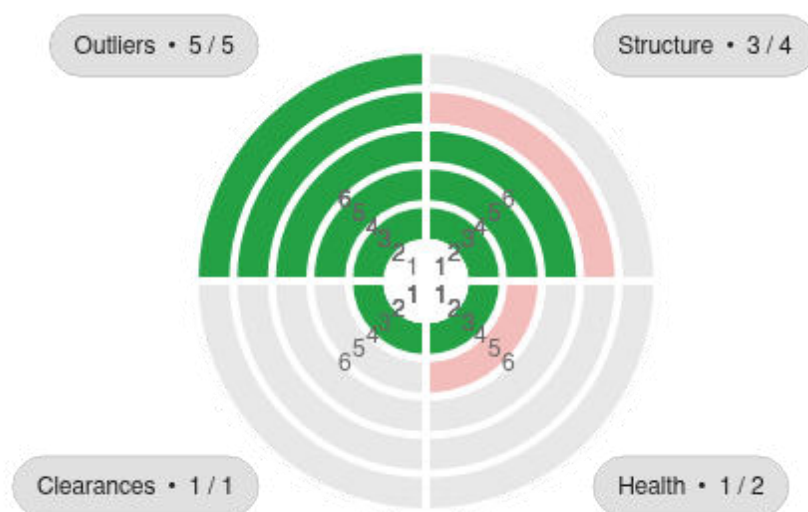
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## Structural assessment

- ✗ 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	19.57 m	Crown Spread	Very large	24.66 m
Trunk Height	High	3.2 m	Tree Protection Zone	Very large	10.57 m
DBH	Very large	0.89 m	Root Protection Zone	Very large	15.86 m
Crown Height	Very large	14.16 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	Low	22.22	Crown Lean Angle	High	8.59 °
Trunk Stability Index		2.29	Trunk Lean Angle	High	6.25 °
Critical Wind Speed		100 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	0.05%	Foliage Transparency		24.06%
Basal Area Increment		-	Leaf Area	Very large	2,636.18 m <sup>2</sup>
NDVI		-	Leaf Area Index	Medium	5.6

### Foliage

Leaf Area Density	Low	0.6 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	High	72.33%
Crown Volume	Very large	4,416.76 m <sup>3</sup>			

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## Benefits

### Water management

Avoided Water Runoff	Very high	1.3 m <sup>3</sup> /yr	Evaporation	Very high	22.84 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	141.03 m <sup>3</sup> /yr	Transpiration	Very high	27.05 m <sup>3</sup> /yr
Water Intercepted	Very high	23 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	2,241.39 kg	CO Removal	High	4.2 g/yr
Carbon Sequestration	Very high	155.77 kg/yr	NO <sub>2</sub> Removal	High	16.6 g/yr
Oxygen Production	Very high	411.61 kg/yr	O <sub>3</sub> Removal	High	199.98 g/yr
PM <sub>2.5</sub> Removal	High	10.45 g/yr	SO <sub>2</sub> Removal	High	35.8 g/yr

### Economical value

Cavat Value      **Very valuable**      26,754.82 £

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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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