

Tree Report of  
**30594**



Genus  
**Tabebuia**

Species  
**rosea**


Common Name  
**Tekoma**

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

Address  
**Jalan P11 K/1**

Position  
**2.9484493651904273, 101.67786819435486**



 Static map of tree location



# Tree Report of 30594



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**Tabebuia**

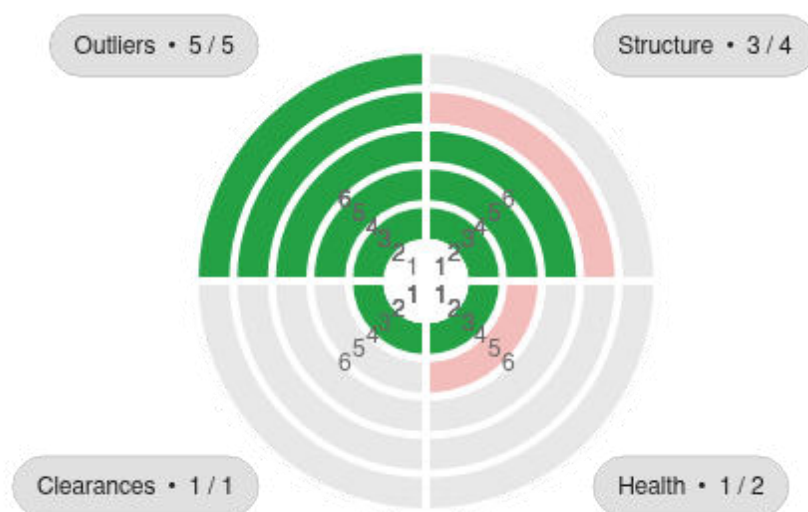
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## Structural assessment

- ✗ 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	18.26 m	Crown Spread	Very large	14.86 m
Trunk Height	Very high	5.37 m	Tree Protection Zone	Very large	9.21 m
DBH	Very large	0.77 m	Root Protection Zone	Very large	13.82 m
Crown Height	Very large	12.86 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	Low	23.79	Crown Lean Angle	Medium	5.02 °
Trunk Stability Index		2.24	Trunk Lean Angle	Very high	11 °
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%	Foliage Transparency	18.16%
Basal Area Increment	-		Leaf Area	Very large 2,080.85 m <sup>2</sup>
NDVI	-		Leaf Area Index	Very high 12.31

### Foliage

Leaf Area Density	Low	1.22 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	Medium	70.41%
Crown Volume	Very large	1,707.64 m <sup>3</sup>			

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## Benefits

### Water management

Avoided Water Runoff	Very high	0.48 m <sup>3</sup> /yr	Evaporation	Very high	8.3 m <sup>3</sup> /yr
Potential Evapotranspiration	Very high	51.23 m <sup>3</sup> /yr	Transpiration	Very high	9.83 m <sup>3</sup> /yr
Water Intercepted	Very high	8.36 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	1,500.22 kg	CO Removal	Very high	18.55 g/yr
Carbon Sequestration	Very high	106.42 kg/yr	NO <sub>2</sub> Removal	Very high	73.31 g/yr
Oxygen Production	Very high	281.2 kg/yr	O <sub>3</sub> Removal	Very high	883.5 g/yr
PM <sub>2.5</sub> Removal	Very high	46.13 g/yr	SO <sub>2</sub> Removal	Very high	158.16 g/yr

### Economical value

Cavat Value      **Very valuable**      20,416.21 £

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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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