

Tree Report of  
**30484**



Genus  
**Tabebuia**

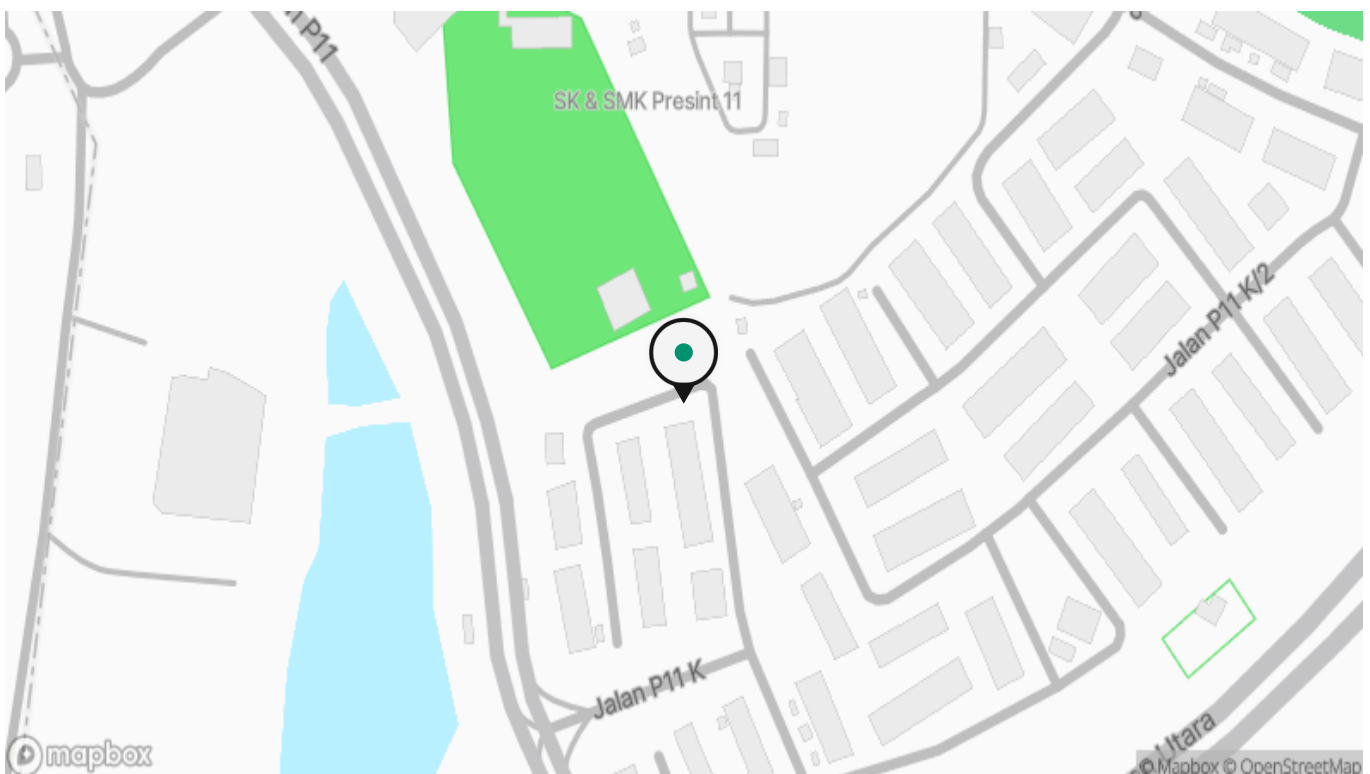
Species  
**rosea**

Common Name  
**Tekoma**

Date of report  
**1st April, 2026**

Address  
**Jalan P11 K/3**

Position  
**2.948878525828917, 101.67770405543529**



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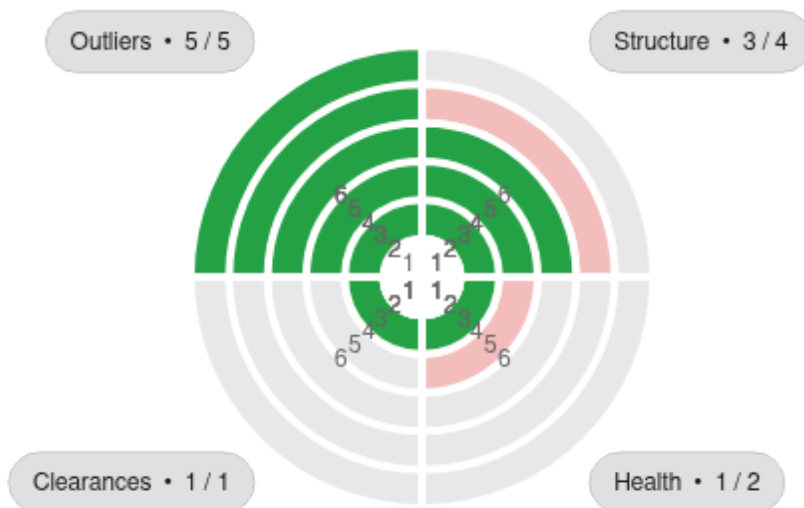
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## Structural assessment

- ✗ 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	14.1 m	Crown Spread	Large	8.1 m
Trunk Height	Very high	6.75 m	Tree Protection Zone	Very large	4.33 m
DBH	Very large	0.37 m	Root Protection Zone	Very large	6.49 m
Crown Height	Large	7.94 m	Number Of Stems	Low	1

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## Structural assessment

### Stability

Slenderness	High	39.14	Crown Lean Angle	High	11.78 °
Trunk Stability Index		1.05	Trunk Lean Angle	Very high	11.02 °
Critical Wind Speed		70 kmh			

### Limbs

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

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## Health and vitality

### Condition & Vigor

Dieback	High	26.89%	Foliage Transparency	17.46%
Basal Area Increment	-	-	Leaf Area	Large 261.85 m <sup>2</sup>
NDVI	-	-	Leaf Area Index	Medium 5.45

### Foliage

Leaf Area Density	Low	0.93 m <sup>2</sup> /m <sup>3</sup>	Live Crown Ratio	Low 56.31%
Crown Volume	Large	282.58 m <sup>3</sup>		

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## Benefits

### Water management

Avoided Water Runoff	High	0.14 m <sup>3</sup> /yr	Evaporation	High	2.47 m <sup>3</sup> /yr
Potential Evapotranspiration	High	15.2 m <sup>3</sup> /yr	Transpiration	High	2.92 m <sup>3</sup> /yr
Water Intercepted	High	2.48 m <sup>3</sup> /yr			

### Ecosystem services

Carbon Storage	Very high	358.79 kg	CO Removal	High	5.51 g/yr
Carbon Sequestration	High	30.22 kg/yr	NO <sub>2</sub> Removal	High	21.75 g/yr
Oxygen Production	High	79.84 kg/yr	O <sub>3</sub> Removal	High	262.14 g/yr
PM <sub>2.5</sub> Removal	High	13.69 g/yr	SO <sub>2</sub> Removal	High	46.93 g/yr

### Economical value

Cavat Value **ery valuabl** 4,510.09 £

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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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