

Tree Report of
30527



Genus
Tabebuia

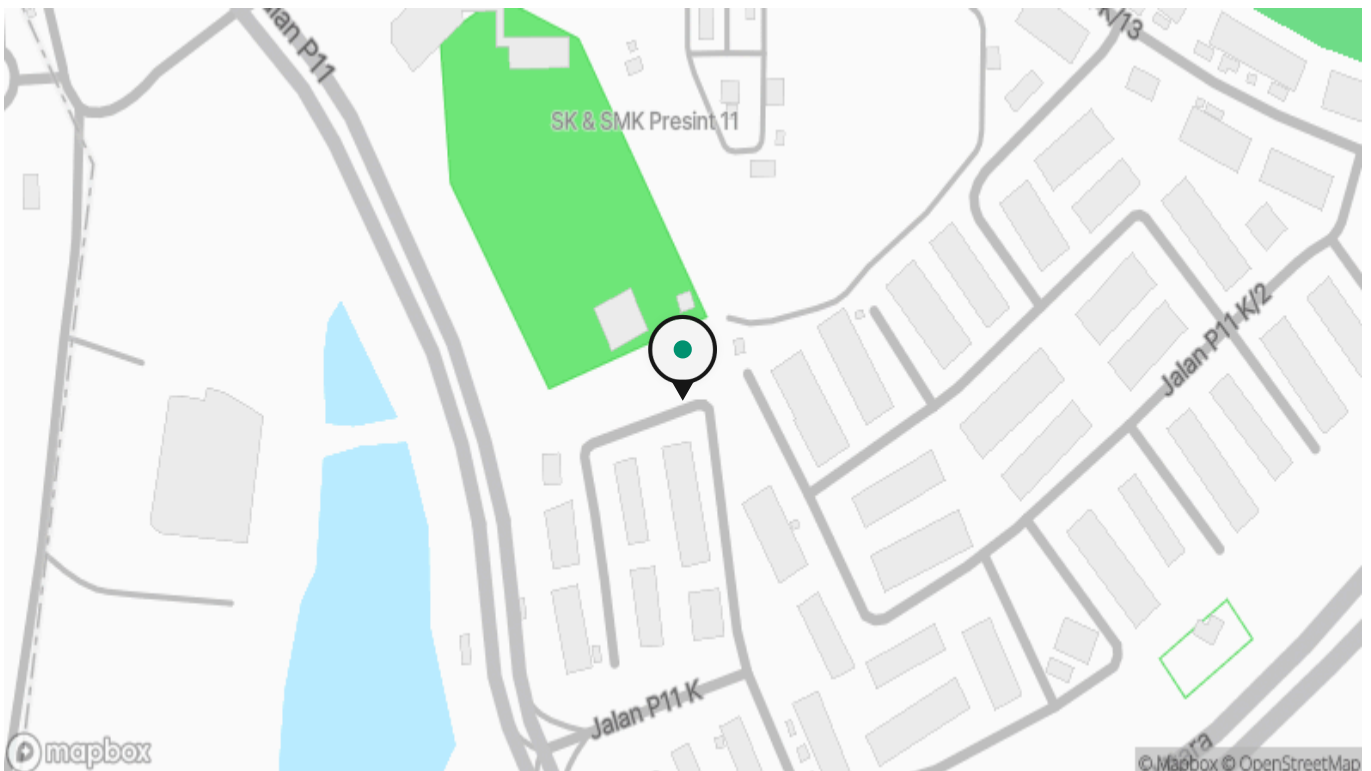
Species
rosea

Common Name
Tekoma

Date of report
16th March, 2026

Address
Jalan P11 K/3

Position
2.9489662205599103, 101.67771162215563



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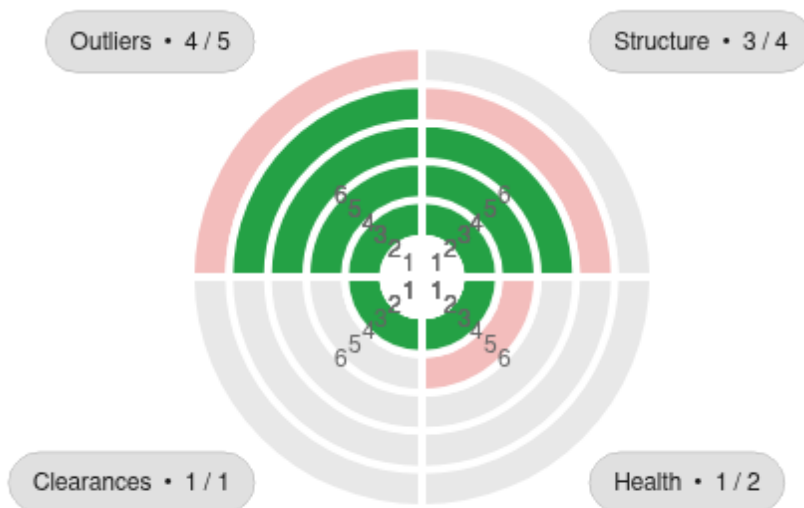
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Structural assessment

- ✗ 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	16.73 m	Crown Spread	Large	8.4 m
Trunk Height	Very high	7.14 m	Tree Protection Zone	Large	3.87 m
DBH	Large	0.33 m	Root Protection Zone	Large	5.8 m
Crown Height	Large	7.76 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Very high	51.95	Crown Lean Angle	Very high	17.58 °
Trunk Stability Index		0.66	Trunk Lean Angle	Medium	4.17 °
Critical Wind Speed		55 kmh			

Limbs

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

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Health and vitality

Condition & Vigor

Dieback	Very high	51%	Foliage Transparency	30.89%
Basal Area Increment	-	-	Leaf Area	Large 272.32 m ²
NDVI	-	-	Leaf Area Index	Medium 5.26

Foliage

Leaf Area Density	Low	0.94 m ² /m ³	Live Crown Ratio	Low 46.37%
Crown Volume	Large	290.74 m ³		

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Benefits

Water management

Avoided Water Runoff	High	0.12 m ³ /yr	Evaporation	High	2.01 m ³ /yr
Potential Evapotranspiration	High	12.38 m ³ /yr	Transpiration	High	2.38 m ³ /yr
Water Intercepted	High	2.02 m ³ /yr			

Ecosystem services

Carbon Storage	High	290.1 kg	CO Removal	High	5.93 g/yr
Carbon Sequestration	Medium	20.6 kg/yr	NO ₂ Removal	High	23.42 g/yr
Oxygen Production	Medium	54.43 kg/yr	O ₃ Removal	High	282.26 g/yr
PM _{2.5} Removal	High	14.74 g/yr	SO ₂ Removal	High	50.53 g/yr

Economical value

Cavat Value **Valuable** 3,577.33 £

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Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	Yes
Height / Leaf Area	No	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Low 1
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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