

GSFP

LESSER KNOWN TIMBER SPECIES

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Introduction

The destruction of tropical rain forest is one of the important topics in international meetings to find ways to sequester carbon and address climate change related problems. This is rightly so because of the important role that the forest plays when conserved or when managed in a responsible manner.

The GREENWOODD+ Social Forestry Program (GSFP) refers to the management of forests for the benefits of local communities. It includes aspects such as forest management, forest protection, and afforestation of deforested lands with the objective of improving the rural, environmental, and social development. Unlike other forestry projects, in the setting of social forestry, the needs of local communities come first.

Income for the communities will be generated via Lesser Known Timber Species, non-timber forest products and business activities.

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Lesser Known Timber Species

When buying from a sustainable forest, you can choose between different kinds of timber. Globally we can distinguish about 50,000 varieties of timber, while only making use of a few. Up to 93% of tropical forest timber volume consists of Lesser Known Timber Species (LKTS) and many such species are currently being buried or wasted after logging operations or forest clearing. Looking at these LKTS several of them are high- quality and can be deployed in many ways. Using these kinds of timber, we make better use of the forest without exhausting nature.

The LKTS from GSFP are from FSC-certified forests in the Berau Regency of East Kalimantan, Indonesia.



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Biodiversity

A 2019 study from the WWF confirms that logging LKTS from tropical forests helps to conserve wildlife populations when they are managed responsibly according to FSC-standards. Besides, certified forestry concessions supports local development and add value to the standing forest, reducing the pressure to clear the forest to make way for other land uses.

SPECIES FOR INDOOR USES

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BAYUR



PTEROSPERMUM SPP **STERCULIACEAE**

Durability class: III

Density: 385 - 705 kg/m³

Strength class: C

Certification: SVLK and FSC

Uses:

The timber is suitable for light construction, flooring, cladding, planking, joinery, cabinet making, interior finishing, panelling, mouldings, tool handles for non-impact purposes, furniture, joists and staircase (apron lining, baluster, balustrade, carriage, handrail, riser, stringer, sprandrel framing, tread, bullnose, round end and winder).

BENUANG



OCTOMELES SUMATRANA DATISCAEAE

Durability class: IV and V

Density: 270 - 465 kg/m³

Strength class: D

Certification: SVLK and FSC

Uses:

The timber is suitable for plywood, packing boxes and crates, concrete shuttering, match boxes, disposable chopsticks and other light and temporary works.

DURIAN



COELOSTEGIA SPP **BOMBACACEAE**

Durability class: III

Density: 420 - 865 kg/m³

Strength class: C

Certification: SVLK and FSC

Uses:

The timber is suitable for light construction under cover, flooring, door and window frames, panelling, mouldings, partitioning, planking, joinery, cabinet making, furniture, cooling tower, railway sleepers, pallets (expendable type), plywood, joists (for light construction only) and wooden coffins.

KEDONDONG



CANARIUM APERTUM **BURSERACEAE**

Durability class: II

Density: 495 - 980 kg/m³

Strength class: C

Certification: SVLK and FSC

Uses:

General utility timber for posts, beams, joists, rafters, medium heavy structures, railway sleepers, vehicle bodies (framework and floorboards), planking, cladding, plywood, tool handles (non-impact), particleboard, flooring, furniture, packing boxes and crates as well as pallets (expendable and permanent light duty types).

KELUMPANG



STERCULIA SPP **STERCULIACEAE**

Durability class: IV and V

Density: 560 - 640 kg/m³

Strength class: D

Certification: SVLK and FSC

Uses:

The timber is suitable for temporary light construction, packing boxes and crates, plywood and shuttering.

KERANJI



DIALIUM SPP **LEGUMINOSAE**

Durability class: II

Density: 755 - 1250 kg/m³

Strength class: A

Certification: SVLK and FSC

Uses:

The timber is suitable for decorative works, interior finishing, panelling, mouldings, furniture, joinery, cabinet making, staircase (angle blocks, rough brackets, apron lining, newel and sprandrel framing), ship and boat building (general planking), ornamental items, pencil, tool handles (impact) and plywood, while the heavier species are suitable for medium construction under cover

MEDANG



CINNAMOMUM SPP **LAURACEAE**

Durability class: III

Density: 350 - 880 kg/m³

Strength class: C

Certification: SVLK and FSC

Uses:

The timber is suitable for decorative works, interior finishing, panelling, mouldings, furniture, joinery, cabinet making, staircase (angle blocks, rough brackets, apron lining, newel and sprandrel framing), ship and boat building (general planking), ornamental items, pencil, tool handles (impact) and plywood, while the heavier species are suitable for medium construction under cover.

MERAWAN



HOPEA SPP DIPTEROCARPACEAE

Durability class: III

Density: 495 - 980 kg/m³

Strength class: B

Certification: SVLK and FSC

Uses:

The timber is suitable for rafters, joists, door and window frames and sills (internal use), panelling, mouldings, partitioning, joinery, furniture, plywood, flooring, decking, staircase, columns (light duty), railway sleepers, vehicle bodies (framework, floor boards and planking), ship and boat building (keels, keelsons, framework and general planking), and tool handles (non-impact). The heavier species are suitable for heavy construction under cover.

MERSAWA



ANISOPTERA SPP **DIPTEROCARPACEAE**

Durability class: II and III

Density: 515 - 735 kg/m³

Strength class: C

Certification: SVLK and FSC

Uses:

The timber is suitable for light construction, door and window frames.

NYATOH



MADHUCA CURTISII **SAPOTACEAE**

Durability class: II and III

Density: 400 - 1000 kg/m³

Strength class: B and C

Certification: SVLK and FSC

Uses:

The timber is suitable for high class decorative works and interior finishing such as panelling, mouldings and partitioning. Other uses include joinery, flooring, decking, staircases, columns, pallets, beams, rafters, joists door and window frames and sills (internal use), vehicle bodies (planking), ship and boat building, railway sleepers and tool handles.

TERAP



ARTOCARPUS SPP **MORACEAE**

Durability class: IV

Density: 400 - 560 kg/m³

Strength class: C

Certification: SVLK and FSC

Uses:

The timber is suitable for light construction, posts, beams, joists, rafters, flooring, plywood, packing boxes and crates, wooden pallets (expendable type), non-striking tool handles, pattern making, panelling, mouldings and furniture.

SPECIES FOR OUTDOOR USES

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A

GELAM



MELALEUCA CAJUPUTI **DIPTEROCARPACEAE**

Durability class: I

Density: 720 - 820 kg/m³

Strength class: A

Certification: SVLK and FSC

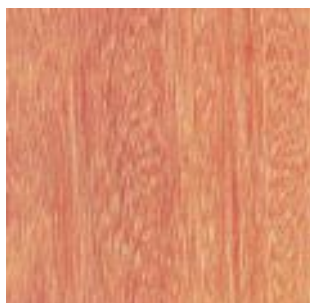
Uses:

The timber is suitable for bridges, poles, beams, truck bodies, naval construction.

The timber is reported to be durable in contact with wet ground and sea water.

A

GIAM



COTYLELOBIUM BURCKII (SYN. C. FLAVUM) DIPTEROCARPACEAE

Durability class: I

Density: 865 - 1200 kg/m³

Strength class: A

Certification: SVLK and FSC

Uses:

The timber is suitable for heavy construction, bridges, poles, beams, truck bodies, naval construction, decking and heavy-duty pallets.

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KELAT



SYZYGIVM SPP. MYRTACEAE

Durability class: II and III

Density: 495 - 1010 kg/m³

Strength class: B

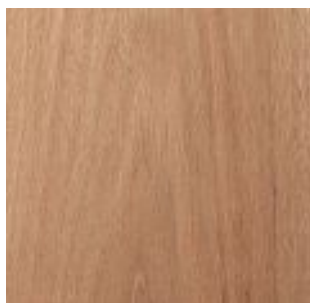
Certification: SVLK and FSC

Uses:

The timber is suitable for structural purposes like posts, beams, joists, rafters, medium heavy structures, telegraphic and power transmission posts and cross arms, staircase, vehicle bodies, ship and boat building as well as columns (light duty). If properly treated, it may be suitable for tramways, railway sleepers and agricultural implements.

A

RED BALAU



SHOREA COLLINA **DIPTEROCARPACEAE**

Durability class: I

Density: 800 - 880 kg/m³

Strength class: A

Certification: SVLK and FSC

Uses:

The timber is suitable for heavy construction, bridges, poles, beams, truck bodies, naval construction, decking and heavy-duty pallets.

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