



ASALI BALI

BAMBOO CATALOG

2025

WWW.ASALIBALI.COM

BAMBOO CONSTRUCTION ENGINEERING

BAMBOO CATALOG

BAMBOO POLES

SPECIES AND ORIGIN	4
TREATMENT AND PREPARATION	5
BAMBOO SAMPLES	6
YELLOW PETUNG (Dendrocalamus Asper)	7
YELLOW TALI (Gigantochloa Apus)	8
BLACK PETUNG (Dendrocalamus Asper Sp.)	9
BLACK TALI (Gigantochloa Atroviolacea)	10

BAMBOO PRODUCTS

BAMBOO SPLITS	12
BAMBOO LIDI	13
PELUPUH - OPEN BAMBOO	14
SLICE BAMBOO DURI (Bambusa Blumeana)	15

BAMBOO CONNECTIONS

BAMBOO PINS (Dendrocalamus Asper)	17
BAMBOO PINS (Dendrocalamus Asper)	18
BAMBOO PINS DIAMETER 4MM	19
COVER STEEL BAR	20

ROPES - TALI

TALI IJUK - BLACK PALM ROPE	22
TALI BAMBOO - WOVEN BAMBOO ROPE	23
TALI MENDONG - WOVEN MENDONG ROPE	24
TALI RATTAN - RATTAN ROPE	25

BAMBOO LIST

LIST BAMBOO POLES	27
LIST BAMBOO PRODUCTS	28

BAMBOO POLES

SPECIES AND ORIGIN

The main species for bamboo construction in Indonesia are bamboo petung (*Dendrocalamus Asper*) and bamboo tali (*Gigantochloa Apus*). The bamboo poles grow in 3 to 6 months to a height of 20-30m and are cut 3 to 5 years, the time for the bamboo walls to increase to the necessary thickness.

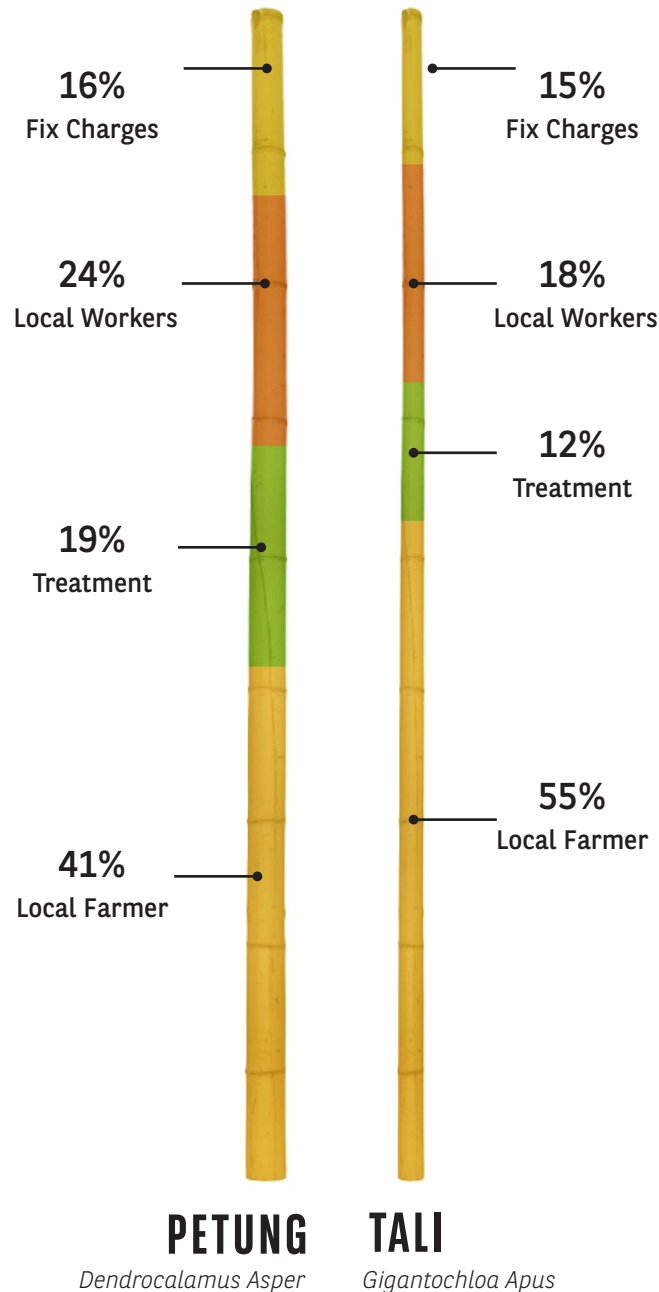
The bamboo poles grow in Bali mountains such as Kintamani, Bangli and Tabanan areas. Produced by local farmers, it contributes to valorize local Balinese economy in remote regions.



Bamboo petung, poles and young shoots, Batukaru, Bali.

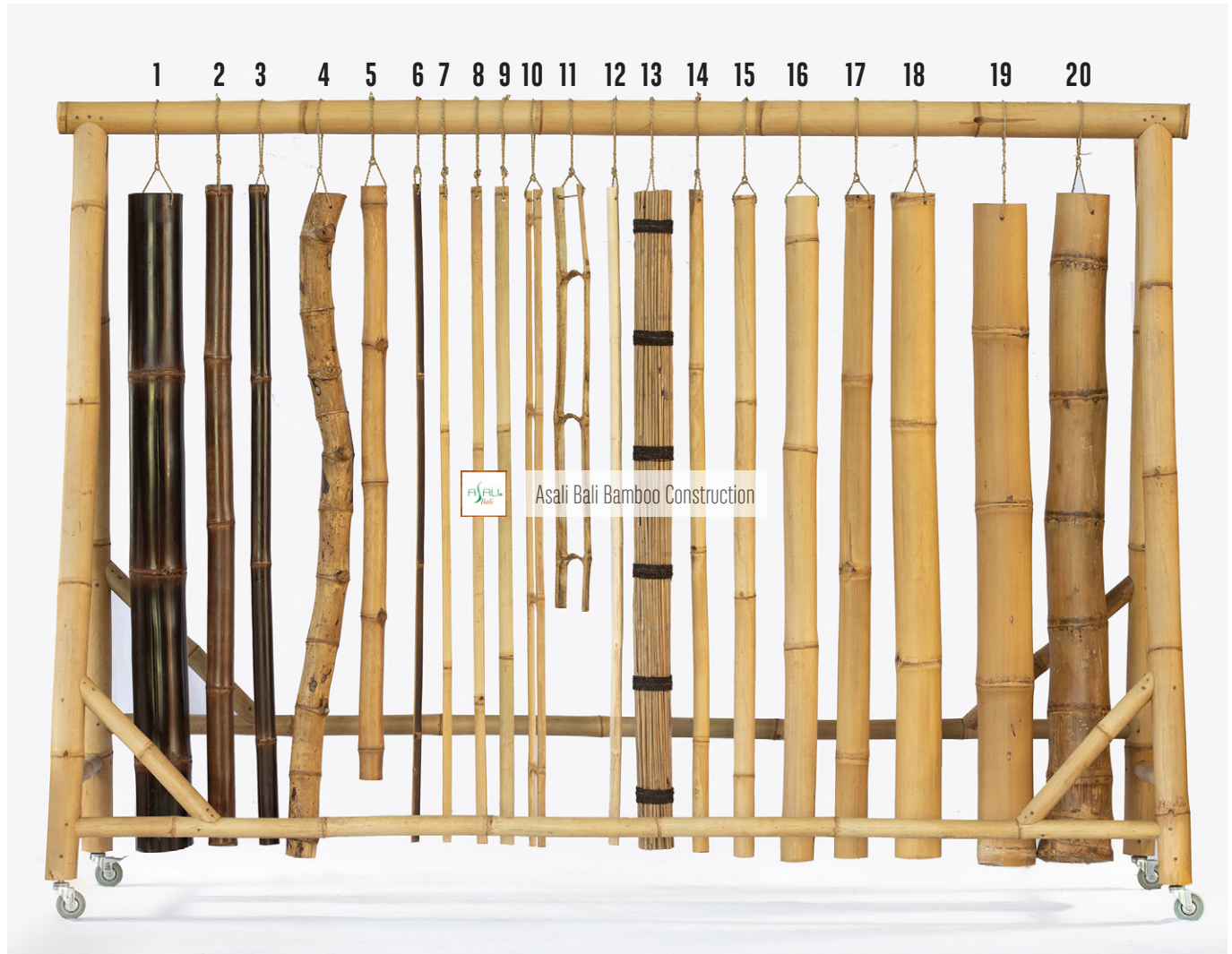
TREATMENT AND PREPARATION

The bamboo poles are selected mature (3-5 years), straight, with no default and no insect attack. The bamboo poles are drilled and treated by soaking method with natural salts of borax and boric acid with a minimum of 3% during 1 week and store to dry in the cover area inside the warehouse. The all process of treatment and preparation takes 3 to 4 weeks till the moisture content in the bamboo arrives under 20%, then the bamboo poles can be used for the construction.



BAMBOO SAMPLES

Here are all the bamboo species and sections we use for our constructions. The samples are available at our offices in Belega, Gianyar, Bali.



- | | |
|---|--|
| 1. Black Petung (Dendrocalamus Asper sp.) Ø 13-15cm | 11. Slice Bamboo Duri |
| 2. Black Tali (Gigantochloa Atrovioleacea) Ø 8-10cm | 12. Rattan Ø 3cm |
| 3. Black Tali (Gigantochloa Atrovioleacea) Ø 6-7cm | 13. Bamboo Lidi Ø 12cm |
| 4. Bamboo Duri (Bambusa Blumeana) Ø 8-10cm | 14. Yellow Tali (Gigantochloa Apus) Ø 3-5cm |
| 5. Bamboo Sumba | 15. Yellow Tali (Gigantochloa Apus) Ø 6-7cm |
| 6. Split Black Tali 2,5cm | 16. Yellow Tali (Gigantochloa Apus) Ø 8-10cm |
| 7. Split Yellow Tali 2,5cm | 17. Yellow Petung (Dendrocalamus Asper) Ø 8-10cm |
| 8. Split Yellow Tali 3cm | 18. Yellow Petung (Dendrocalamus Asper) Ø 10-13cm |
| 9. Split Yellow Tali 4cm | 19. Yellow Petung (Dendrocalamus Asper) Ø 13-15cm |
| 10. Slice Yellow Tali 8cm | 20. Yellow Petung Akar (Dendrocalamus Asper) Ø 13-15cm |

YELLOW PETUNG (*DENDROCALAMUS ASPER*)

The first 12 meters of the bamboo poles can be used for structural elements for the bamboo construction. Bamboo of 5 to 7m length are commonly used in order to optimize price and logistic and to keep a similar diameter between the base and the top of the bamboo pole.



Bamboo petung poles of 6m length in preparation / drying at the warehouse.



Bamboo petung columns. Mutia Garden Restaurant – Medan, Sumatra, Indonesia. 2018.

YELLOW TALl (*GIGANTOCHLOA APUS*)

The bamboo tali are commonly used for secondary roof beams, bamboo rafters or decorative elements such as cladding or interiors.



Bamboo tali poles Ø 6-7cm for cladding – Boyoma, Republic of Congo. 2016.



Bamboo tali poles for rafters during installation onsite. Tea House – Ubud, Bali. 2020.

BLACK PETUNG (*DENDROCALAMUS ASPER SP.*)

For original and classy aesthetic, black bamboo poles can be use for structural elements.



Black Petung for bamboo columns before finishing.



Black Petung for bamboo columns.K Club, Lobby – Tegallalang, Bali, Indonesia. 2019.

BLACK TALl (*GIGANTOCHLOA ATROVIOLACEA*)

In order to confer a classy and cozy atmosphere, black bamboo can be used for interiors, partition walls or ceilings.



Black bamboo tali for bathroom interior - Ulaman Eco Retreat - Kaba Kaba, Bali. 2020.



Black tali bamboo cladding. Sunsri House of Jewelry - Batubulan, Bali, Indonesia. 2018.

BAMBOO PRODUCTS

BAMBOO SPLITS

For 2D curved beams, rafters and flooring or decoration, bamboo splits offers an adapted and aesthetic solution. Depending on the element and rendering, the splits would be from different length, thickness and can be proposed with the bamboo skin or without.



Split 3cm width without skin for flooring - Tea House, Ubud, Bali. 2020.



Split 5cm width without skin for bamboo split beam. During construction - Tea House, Ubud, Bali. 2020.

BAMBOO LIDI

In order to realize 3D curved structures, bamboo lidi made out of bamboo strips connected together in bundles are used, integrating additional bamboo splits inside the beam for additional stiffness and allow a better connection with main beams and columns. The diameter of the bamboo lidi beam will depend of the loads applied on the structure and would be sized consequently.



Bundle 100pcs bamboo lidi Ø 8mm, 4m long.



Bamboo lidi beam supporting the rafters and the roof. RASLI villa, Ubud, 2020.

PELUPUH - OPEN BAMBOO

In order to realize 3D curved structures, bamboo lidi made out of bamboo strips connected together in bundles are used, integrating additional bamboo splits inside the beam for additional stiffness and allow a better connection with main beams and columns. The diameter of the bamboo lidi beam will depend of the loads applied on the structure and would be sized consequently.



Bundle 10pcs open bamboo – pelupuh. 10cm x 3m.



RASLI Villa – Ubud, Bali, Indonesia. 2020.

SLICE BAMBOO DURI (*BAMBUSA BLUMEANA*)

For a natural railing and finishing, the bamboo slices are made out bamboo duri (*Bambusa Blumeana*) with natural tight internodes. The top part railing should be at a minimum of 1,03m height.



Ekommunity Farmstay & Yoga, Dormitory - Munduk, Bali. 2018.



RASLI Villa – Ubud, Bali. 2020.

BAMBOO CONNECTIONS

BAMBOO PINS (*DENDROCALAMUS ASPER*)

The bamboo pins are used traditionally to connect the bamboo poles together. They are done manually one by one with treated bamboo petung poles using the traditional bamboo knife.



Bamboo pins fabrication process. Asali Bali. 2020.



Bamboo pins Ø 8mm during installation onsite for split beam. Tea House – Ubud, Bali. 2020.

BAMBOO PINS (*DENDROCALAMUS ASPER*)

The bamboo pins are used traditionally to connect the bamboo poles together. They are done manually one by one with treated bamboo petung poles using the traditional bamboo knife.



Bundle 100pcs bamboo pins Ø 8mm, 32cm length.



Bundle 100pcs bamboo pins Ø 10mm, 48cm length.

BAMBOO PINS DIAMETER 4MM

The bamboo pins are used traditionally to connect the bamboo poles together. They are done manually one by one with treated bamboo petung poles using the traditional bamboo knife.



Bundle 100pcs bamboo pins Ø 4mm, 14cm length.



Bamboo pins Ø 4mm installation for bamboo flooring, Ulaman Eco Retreat, Kaba Kaba, Bali.

COVER STEEL BAR

The bamboo pins are used traditionally to connect the bamboo poles together. They are done manually one by one with treated bamboo petung poles using the traditional bamboo knife.



Cover bamboo for screws on top of the steel bars of 8, 10 and 12mm.



Cover of the steel bars with bamboo caps – Yoga Shala, Joali Being, Bodufushi, Maldives, 2021.

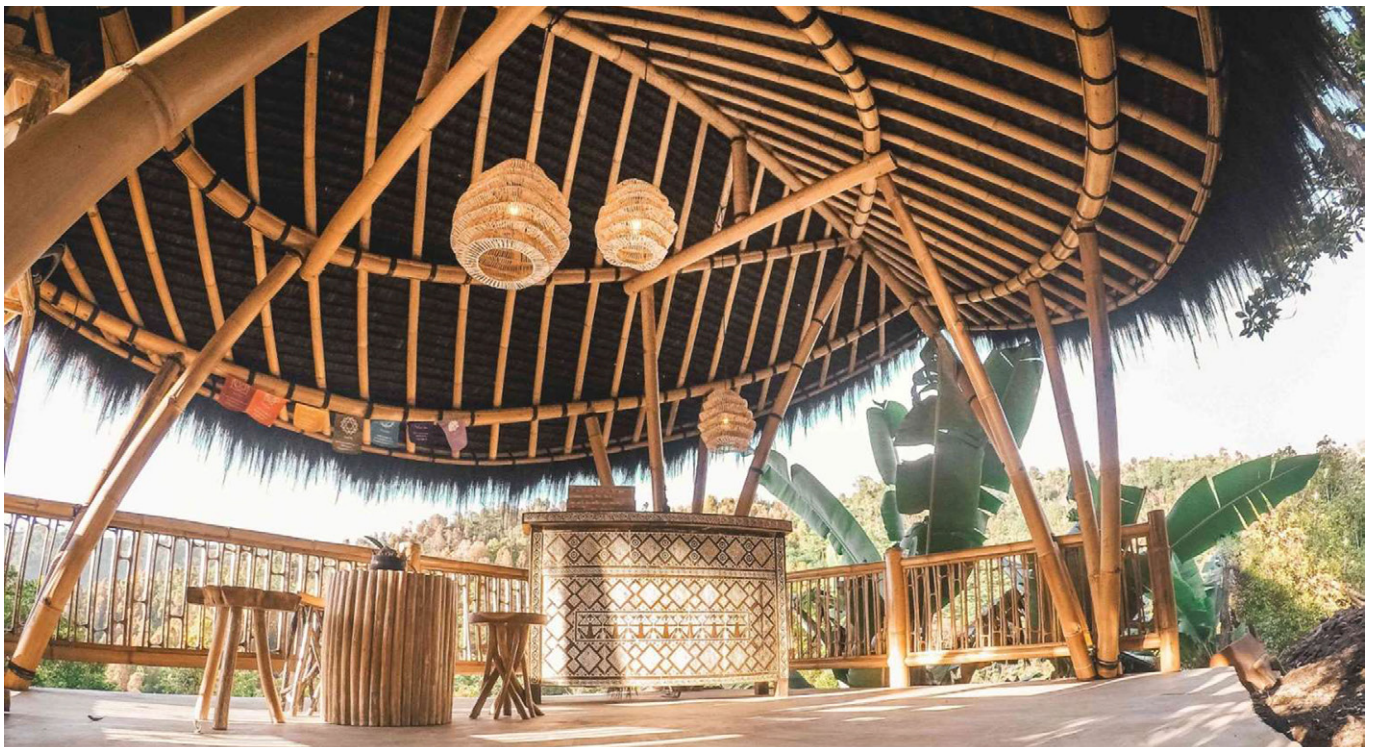
ROPES - TALI

TALI IJUK - BLACK PALM ROPE

The traditional Ijuk is used in Indonesia for the most resistant rope in exposed environment and weather conditions. Its natural black color offers a nice contrast with yellow bamboo.



Ijuk rope, 3mm thickness, 30m long.



Tali Ijuk - Office, Ekommunity - Munduk, Bali. 2018.

TALI BAMBOO - WOVEN BAMBOO ROPE

Tali bamboo made out of bamboo fibers fit perfectly with bamboo structure for a homogeneous rendering. It is strong and resistant on shaded areas.



Bamboo rope, 4mm thickness, 25m long.



Mutia Garden, Restaurant - Medan, Sumatra, Indonesia. 2018.

TALI MENDONG - WOVEN MENDONG ROPE

Tali mendong which is made out of a water plant is a natural material used traditionally to tie bamboo structure and craftship. It has the best balance for durability, reduced price and natural rendering for bamboo projects.



Tali mendong – Woven mendong rope, 6mm thickness.



Alam Atelier School - Berawa, Bali, Indonesia. 2016.

TALI RATTAN - RATTAN ROPE

Tali rattan is natural and sustainable resource with fit perfectly with interior design, detailed finishes and furniture.



Tali rattan - Rattan rope, 5mm thickness.



Ulamen Eco Retreat - Kabakaba, Bali, Indonesia. 2019.

BAMBOO LIST

LIST BAMBOO POLES

BAMBOO POLES	LENGTH (M)
BAMBOO PETUNG BASE Ø 13-15CM	14
	12
	10
	9
	8
	7
	6
	5
BAMBOO PETUNG TOP Ø 10-13CM	14
	12
	10
	9
	8
	7
	6
	5
BAMBOO TALİ BASE Ø 8-10CM	10
	9
	8
	7
	6
	5
BAMBOO TALİ TOP Ø 6-7CM	9
	8
	7
	6
	5

TERM AND CONDITION:

- Material preparation time: 4-6 weeks depending on season and quantity ordered.
- Price out of transportation, logistics and stuffing if necessary.
- Additional price 25% for selected poles at the warehouse.
- Deposit 50% at the order and balance 50% before pick up the goods.

LIST BAMBOO PRODUCTS

BAMBOO PRODUCTS	LENGTH (M)
Split tali with skin - width 2cm (max 2,5m long)	1
Split tali with skin - width 3cm (max 2,5m long)	1
Split tali with skin - width 4cm (max 2,5m long)	1
Split tali with skin - width 5cm (max 5m long)	1
Split petung with skin - width 5cm (max 5m long)	1
Bamboo lidi - Bundle (100pcs)	4
Open Bamboo - Pelupuh / Bundle (100pcs)	3
Bamboo Slice - Duri	1
Bamboo Slice - Tali	1

BAMBOO CONNECTIONS	UNIT / PCS
Bamboo pins - 10 mm / Bundle (100pcs)	1
Bamboo pins - 8 mm / Bundle (100pcs)	1
Bamboo pins - 6 mm / Bundle (100pcs)	1
Bamboo pins - 4 mm / Bundle (100pcs)	1
Cover steel bar - 12 mm / Box (100pcs)	1
Cover steel bar - 10 mm / Box (100pcs)	1
Cover steel bar - 8 mm / Box (100pcs)	1

BAMBOO ROPES	UNIT / PCS
Tali ijuk - Black coconut rope (30m)	1
Tali bamboo - Woven bamboo rope (45m)	1
Tali mendong - Woven mendong rope (1kg)	1
Tali rattan - Rattan rope (1kg)	1

TERM AND CONDITION:

- Material preparation time: 4 weeks depending on season and quantity ordered.
- Price out of transportation, logistics and stuffing if necessary.
- Additional price 25% for selected poles at the warehouse.
- Deposit 50% at the order and balance 50% before pick up the goods.

Discover more about us on
www.asalibali.com



CONTACT US FOR YOUR BAMBOO PROJECTS

PT PESONA BAMBU BALI

BAMBOO CONSTRUCTION ENGINEERING

62(0)811 388 643

welcome@asalibali.com