PLANT FACT SHEET

Castanopsis costata (Blume) A DC.

GENUS *Castanopsis* **FAMILY** Fagaceae

COMMON NAMES Berangan duri

EDIBLE PARTS AND USES

Edible parts: Nuts

The nuts are eaten raw or roasted. They can be boiled or fried. They can be used in pastries.

DESCRIPTION

A moderate sized tree. It grows 36 m high. The trunk is 80 cm across. The leaves are leathery. There can be rusty brown hairs underneath. The leaves are 11-15 cm long by 3-7 cm wide. Male and female flowers are separate. The male flowering stalks are 9-14 cm long. The male flowers are in clusters of 2-3. The female flowering stalks are 7-12 cm long. The female flowers are in clusters of 3. The fruit cups are almost round. and about 2 cm across. There are 2-3 nuts in each cup. They are cone shaped and up to 2 cm long by 1.5 cm wide.

HABITAT

A tropical plant. It grows in lowland forests and up to 1,900 m above sea level. It is often along rivers.

NOTES

There are about 120 Castanopsis species. Many have edible nuts.

REFERENCES

Burkill, I.H., 1966, A Dictionary of the Economic Products of the Malay Peninsula. Ministry of Agriculture and Cooperatives, Kuala Lumpur, Malaysia. Vol 1 (A-H) p 493

Castillo, C., 2013, The Archaeobotany of Khao Sam Kaeo and Phu Khao Thong: The Agriculture of Late Prehistoric Southern Thailand. Ph. D. thesis University College, London p 378

Hoare, A., 2003, Food use of the Lundayeh SW Sabah. Borneo Research Council.

Menninger, E.A., 1977, Edible Nuts of the World. Horticultural Books. Florida p 16

Milow, P., et al, 2013, Malaysian species of plants with edible fruits or seeds and their evaluation. International Journal of Fruit Science. 14:1, 1-27

Slik, F., www.asianplant.net

Soepadmo, E. and Saw, L. G., 2000, Tree Flora of Sabah and Sarawak. Forestry Malaysia. Volume Three. p 12

Suwardi, A. B., et al, 2020, Wild edible fruits generate substantial income for local people of the Gunung Leuser National Park, Aceh Tamiang Region. Ethnobotany Research & Applications 20:11 - Sumatra.

Suwardi, A.B., et al, 2023, The diversity and regional conservation status of wild edible fruit species in Sumatra, Indonesia. Biodiversitas Vol. 24 No. 6. pp 3245-3257

Syamsuardi, et al, 2022, Diversity and use of wild edible fruits in the Bukit Rimbang-Bukit Baling Wildlife Reserve, Kampar, Riau, Indonesia. Biodiversitas. Vol. 23 No. 10 : 5035-5042 - Sumatra.

Verheij, E. W. M. and Coronel, R.E., (Eds.), 1991, Plant Resources of South-East Asia. PROSEA No 2. Edible fruits and nuts. Pudoc Wageningen. p 324

Wickens, G.E., 1995, Edible Nuts. FAO Non-wood forest products. FAO, Rome. p 122

World Checklist of Useful Plant Species 2020. Royal Botanic Gardens, Kew

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