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BUKAN!

Keberadaan hiu putih raksasa pertama kali ditemukan di Tanjung Luar, Lombok, ditangkap di sekitar Dompu dengan rawai (Fahmi, Dharmadi, 2014)



First confirmed record of the white shark *Carcharodon carcharias* (Lamniformes: Lamnidae) from Indonesia

Fahmi ^(a1) and Dharmadi ^(a2) 

DOI: <https://doi.org/10.1017/S1755267214000414> Published online by Cambridge University Press: 20 May 2014

Abstract

A six metre adult male of the white shark *Carcharodon carcharias* was caught by demersal longliners operating off Dompu, Indonesia. The specimen was landed and sold at Tanjung Luar landing site in eastern Lombok. Photographic evidence for this specimen is provided and an upper lateral tooth was retained. This is the first confirmed record of the species in Indonesian waters.



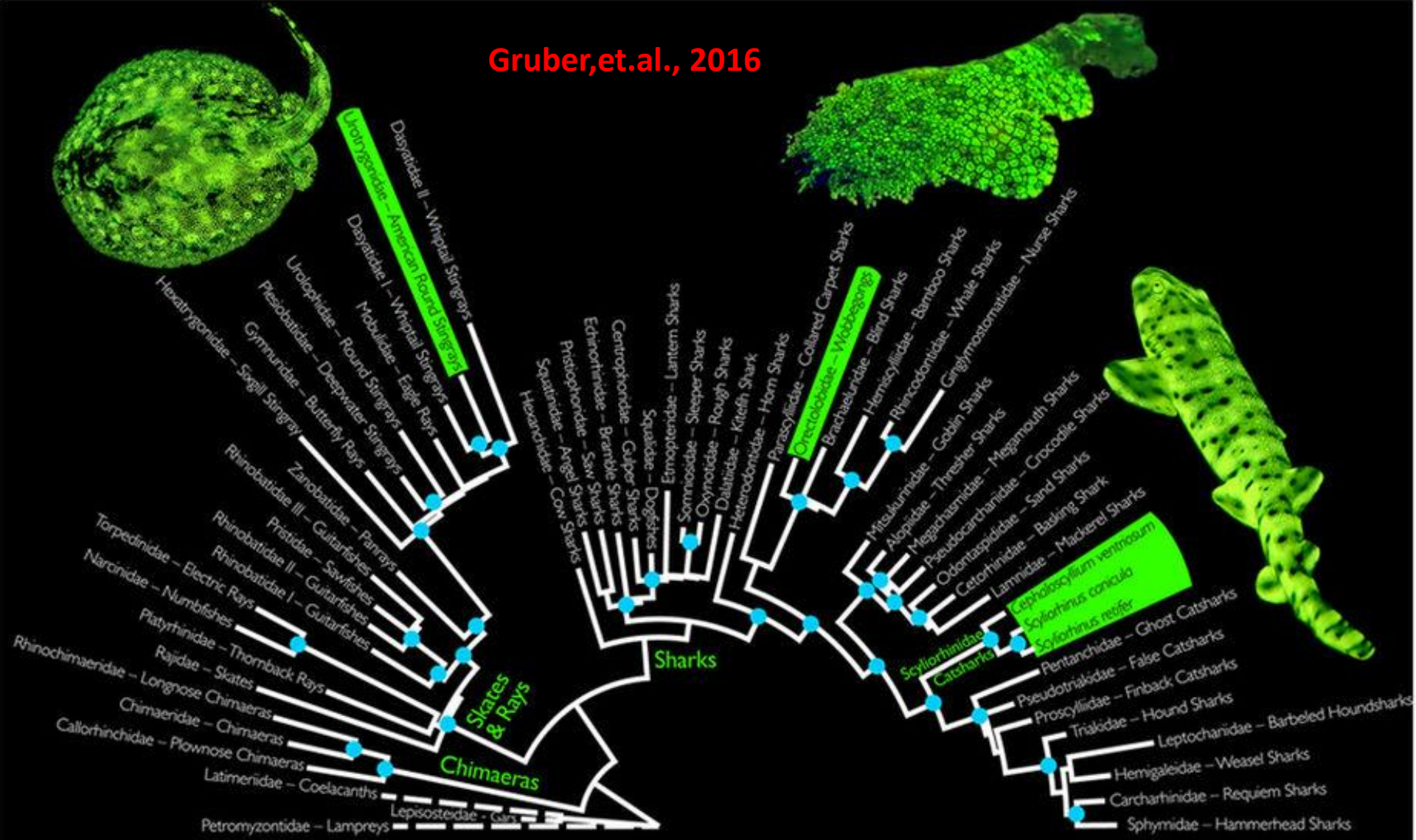
BUKAN!

Secara genetis hiu tertua adalah Hexanchidae (hiu berinsang enam)
(Gruber, et.al., 2016)



Elasmobranch Phylogeny

Gruber, et.al., 2016



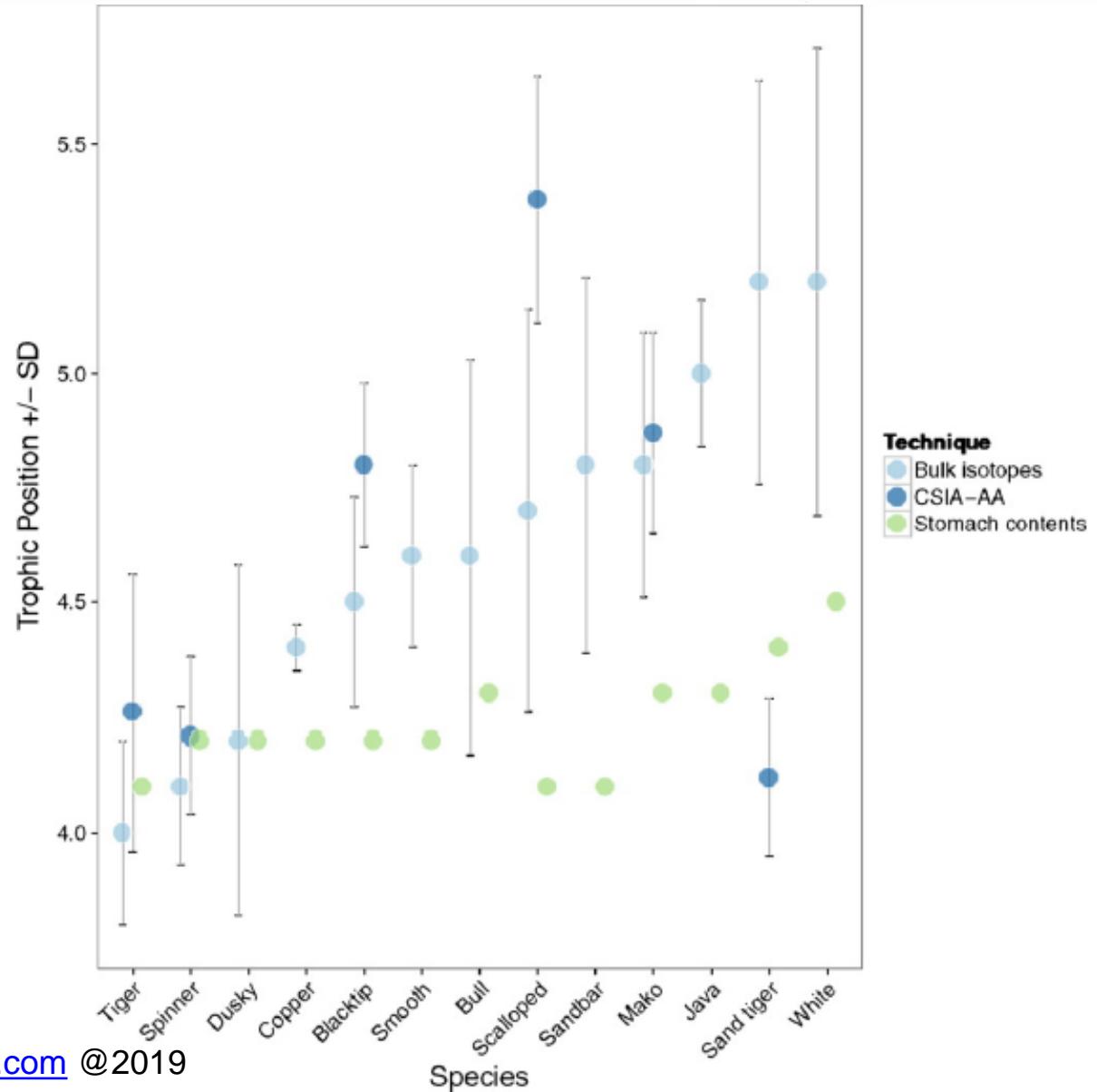
MUNGKIN!

Berdasarkan analisa tropic isi perut, memang great white shark berada di puncak rantai makanan namun berdasarkan analisa CSIA-AA dan analisa isotop, bull shark dan sand tiger shark (berturut-turut) berada di puncak rantai makanan (Hussey, et.al., 2015)



Trophic Levels of Sharks

[Hussey et al., 2015]



Hiu Putih memiliki kriteria kepunahan hampir punah?

TIDAK!

Berdasarkan kriteria CITES, great white shark termasuk dalam Appendix II yang perdagangannya diatur dan dibatasi (CITES, 2018)

Berdasarkan kriteria IUCN, criterianya terancam (vulnerable)

Masih banyak hiu lain yang statusnya lebih mendekati kepunahan



Shark Status [Dulvy, 2017]

Table 1. IUCN Red List Status of sharks, rays, and chimaeras by major habitat class.

Habitat class (total number of species)	IUCN Red List Status (2015) ¹					
	CR	EN	VU	NT	LC	DD
Coastal continental (496)	18	25	83	75	104	191
Neritic epipelagic (39) ²	0	3	14	13	5	4
Deepwater (513)	2	6	17	45	154	289
Freshwater (32)	3	7	1	1	2	18
Totals (1,080)	23	41	115	134	265	502

¹CR, Critically Endangered; EN, Endangered; VU, Vulnerable; NT, Near Threatened; LC, Least Concern; DD, Data Deficient.

²Eight deepwater mesopelagic sharks (e.g. cookiecutter sharks, *Etmopterus* spp.) are excluded from this group because they are currently classified as DD or LC, and they are currently eluding fisheries and other anthropogenic impacts.

Bahaya dan Hampir Punah

=2.4% [Dulvy, 2017]

CITES Classification

Appendix I

All species of sawfishes (family *Pristidae*, 2007 and 2013)

Appendix II

Basking Shark (*Cetorhinus maximus*, 2002)

Whale Shark (*Rhincodon typus*, 2002)

White Shark (*Carcharodon carcharias*, 2004)

Great Hammerhead Shark (*Sphyrna mokarran*, 2013)

Giant Manta Ray (*Manta birostris*, 2013)

Oceanic Whitetip Shark (*Carcharhinus longimanus*, 2013)

Porbeagle Shark (*Lamna nasus*, 2013)

Reef Manta Ray (*Manta alfredi*, 2013)

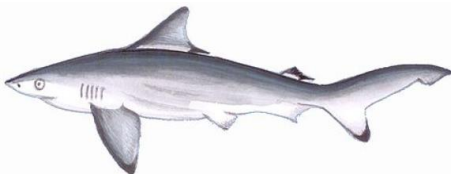
Scalloped Hammerhead Shark (*Sphyrna lewini*, 2013)

Smooth Hammerhead Shark (*Sphyrna zygaena*, 2013)



Hiu Putih memiliki kriteria kepunahan hampir punah?

IUCN Red List [IUCN, 2018]



Carcharhinus hemiodon



Glyphis gangeticus

Glyphis garrickii

Glyphis siamense

Glyphis glyphis



Carcharhinus borneensis



Lamiopsis temminckii



Carcharhinus leiodon



Centrophorus harrissonii



Eusphyra blochii



Haploblepharus kistnasamyi



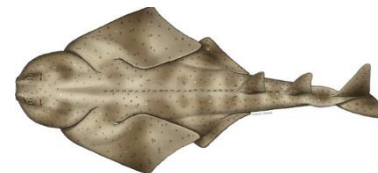
Pristis pectinata

Pristis pristis

Pristis zijsorn

Anoxypristis cuspidata

Pristis clavata



Squatina aculeata

Squatina oculata

Squatina squatina

Squatina argentina

Squatina formosa

Squatina guggenheim

Squatina occulta

Squatina punctata



Isogomphodon oxyrinchus



Stegostoma fasciatum

Sphyna lewyni

Sphyna mokarran



Rhincodon typus

MUNGKIN!

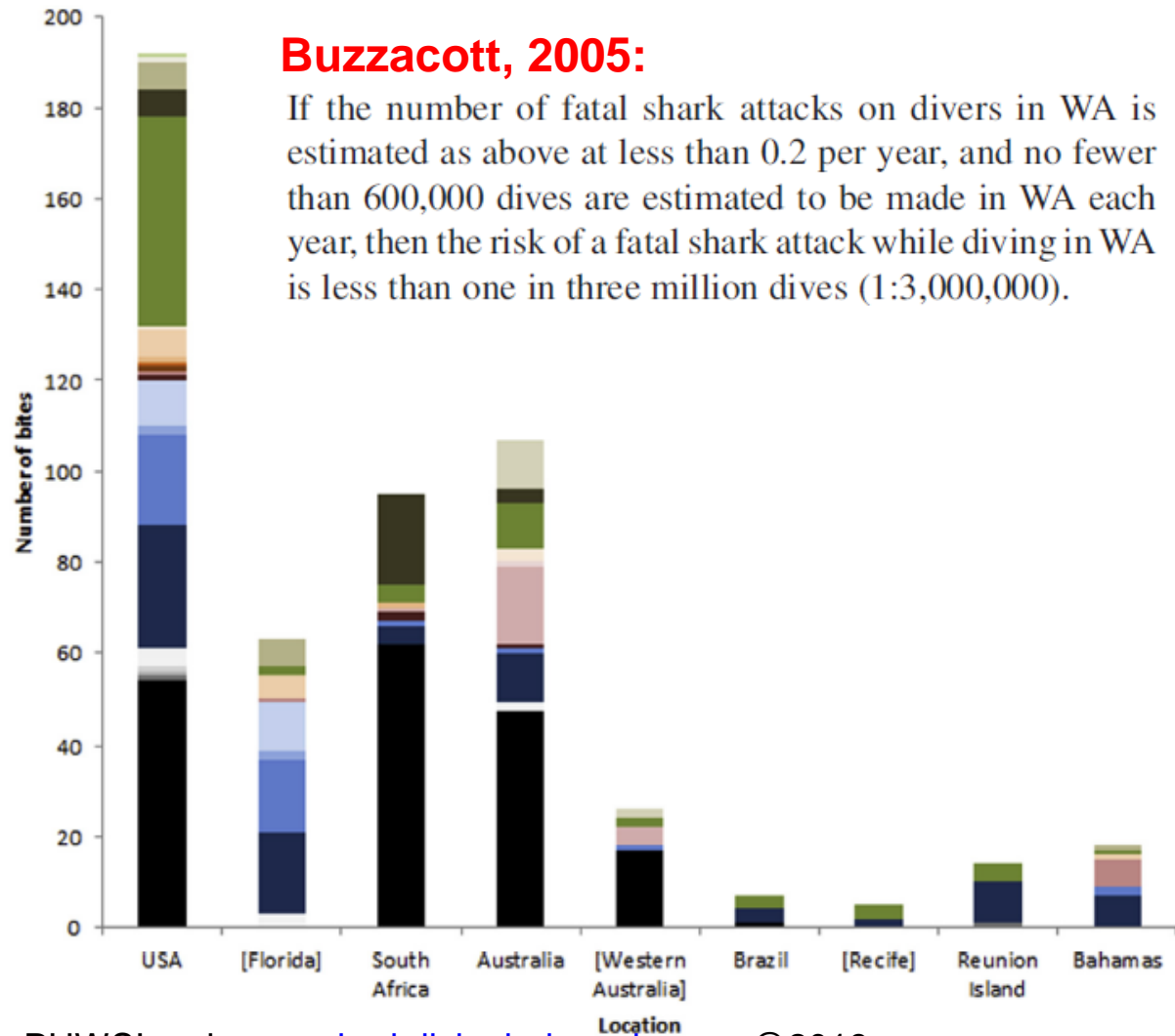
Berdasarkan data serangan hiu yang disusun oleh Harahush dan McPhee (2016), great white shark memang merupakan spesies yang paling banyak menyerang manusia di USA, South Africa dan Australia

Tetapi tidak di negara-negara seperti Bahama, Brasil, Reunion, Indonesia, bahkan di negara bagian Florida sekalipun



Hiu Putih merupakan hiu paling banyak menyerang?

Shark Attack [Harahush and McPhee, 2016}



THE NATION Attack fear as shark sightings rise



Classmate: A 10-year-old boy was attacked by a shark while swimming in the ocean near his home in Queensland, Australia. The boy was taken to hospital and is recovering. The shark was later identified as a tiger shark.

Shark attacks blamed on fish stocks



The Advertiser

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