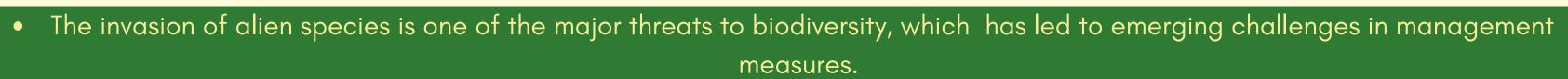
PRIORITISING THE MANAGEMENT OF THE AQUATIC INVASIVE ALIEN SPECIES IN MALAYSIA:

CHALLENGES AND CURRENT RESEARCH

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• In line with the Action 13 of the National Policy on Biological Diversity 2022–2030, together with the United Nation's Sustainable Development Goals 2030 and Convention on Biological Diversity, the IAS pathway and priority species must be identified and control measures must be executed





16. Predator Range Life onomic impact (-) 17. Competition with

KEMENTERIAN PERTANIAN DAN KETERJAMINAN MAKANAN

18. Control Measures

Local distribution 11. Impact on Human

MARINE

Heritage/

damage

Reproductive

Infrastructure

Prey / Host Range

Native Species

Detectability Potential of Introduction Potential of

Potential of Spread 15. Predator Range Life

Economic Impact 16. Competition with 10. Economic Value of 17. Control Measures

18. Environmental Heritage/Structural DISEASE

World distribution Local distribution 12. Heritage/ Climatic Tolerance

Detectability Potential of Introduction Potential of

8. Potential of Spread 16. Competition 9. Economic impact (-)

Infrastructu Reproductive

Prey / Host R 15. Predator Ran cycle



GOAL 1 Improve understanding and public awareness about IAS ▶GOAL 2 Conduct risk assessment on all introduced exotic species before their release ▶GOAL 3 Strengthen quarantine inspection and enforcement

2021-2025

NATIONAL ACTION PLAN
ON INVASIVE ALIEN SPECIES

at entry points and international borders





FISHERIES

Cichla spp. Peacock Bass Heterotilapia buttikoferi Zebra Tilapia Asian Redtail Catfish Hemibagrus wyckioides African Catfish Clarias gariepinus Oreochromis mossambicus Black Tilapia Oreochromis niloticus

sured Catfish Genus Phrygoplichthys (Siluriformes: Loricariidae

Snowflake coral Pacific Oyster Freshwater Hydroids Hair algae

Corbicula sp.

Barbonymus sp

Sea anemone Bushy bryozoan Charru mussel Elkhorn sea moss

Black striped mussel

Peratus Item Yang Dimakan oleh Baung Ekor Merah

Dinoflagelates

1925) Balech, 1995 Alexandrium minutum Halim, 1960 Alexandrium tamiyavanichii (Harmful Algal Bloom, Balech, 1994 Pyrodinium bahamense var compressum Cochlodinium polykrikoides Gymnodinium catenatum Carijoa riisei Crassostrea gigas Cordylophora caspia Diadumene lineat Bryopsis penr Amathia dista Mytella charru Extraction and Characterisation of Suckermouth Catfish Collagen

Kappaphycus alv

Macrobrachium

22%

Anabas

testudineu

Mytilopsis sal

L Red seabream iridoviral disease Red seabream iridovirus Yellow head virus genotype 1 Yellow head virus genotype 1 Infection with Infectious Spleen 3 and Kidney Necrosis Virus Megalocytivirus 4 Viral nervous necrosis (VNN) Betanodavirus 5 Infection with Perkinsus olseni Perkinsus olseni 5 Edwardsieliosis Edwardsiella tarda Enterocytozoon hepatopenaei

ORIGINAL ARTICLE

Rifga Danisha Ramlan¹, Wan Azman Wan Ismail², Muhammad 'Izzuddin Zamery², Nor Amlizan Ramli² Tommy Iulianto Bustami Effendi². Haslawati Baharuddin³. Mizaton Hazizul Hasan

Development of species-specific Cichla species eDNA primers for rapid alien invasive

, Nurul Fizatul Nabilah O¹, Adibah A.B.¹, Ramizah A.R.¹, Syazwan S¹, Intan Faraha A.G.², Amirrudin A

TROPICAL GENETICS



KAJIAN KES DAN CADANGAN INVASIF DI MALAYSIA:

iide 12023 MIZATON HAZIZUL BINTI HASAN GOLD TOMMY JULIANTO BUSTAMI EFFENDI Title: PLECOPAWS: WHISKER-LICKING GOODNESS - FROM MENACE TO **GOLD AWARD**

CAJIAN IKAN ASING **TEMENGGOR: INTRODUCEE** OR ESCAPEE?

INNOVATION

Collagen Extraction

Determination of Heavy Metal Contents in Selected Body Parts and Collagen Extract of the Amazon Suckermouth Catfishes (Pterygoplichthys spp.) from Langat River, Selangor acy, Universiti Teknologi MARA Selangor Branch, Puncak Alam Campus, 42300 Bandar Puncak Alam, Se

PLECOLLAGEN®: Unveiling Nature's Treasure;

Suckermouth Catfish Collagen - From Menace to Marvel

NEWS / Nation FOREIGN FISH HUNTING PROGRAMMI

OUR RIVERS

by foreign fish, which can cause everyone to reduce the number o

Foreign fish have taken over Klang Valley rivers, threatening survival of native fish bers and agencies.



Asian Society of Ichthyologists International Conference 2024

PROGRAM MEMBURU

IKAN ASING

BERSAMA KOMUNITI

26 Mei 2024 (Ahad) | 7.30 Pagi

Sungai Kuyoh, Bukit Jalil