



Field Guide of Insects in Lambir

Panduan Lapangan Serangga di Lambir

Vol. 1: Poisonous Butterflies and
the Mimic Species

Jilid 1: Kupu-Kupu Beracun dan
Spesies yang Menyerupai

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Reference

Itioka T, Yamamoto T, Tzuchiya T, Okubo T, Yago M, Seki Y, Ohshima Y, Katsuyama R, Chiba H, Yata O (2009) Butterflies collected in and around Lambir Hills National Park, Sarawak, Malaysia in Borneo. *Contributions from the Biological Laboratory Kyoto University*, 30: 25–68.

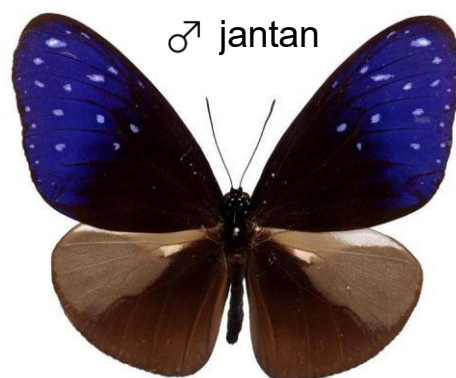
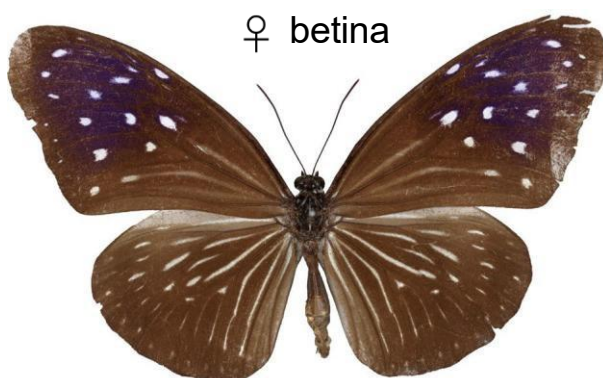
Poisonous Butterflies

Introduction

There are several butterflies species known to be poisonous. The toxins derived from the chemical compounds present in the host plants as it was consumed during their larval stage and are subsequently stored in the adult butterflies. Although it is harmless towards humans upon contact, these chemical compounds caused the butterflies inedible to the natural predators, such as birds. In Lambir Hills National Park, over 20 species of poisonous butterflies have been documented (Itioka *et al.*, 2009). This booklet presents 23 species (in 3 families) of poisonous butterflies and 5 species of non-poisonous mimicking butterflies (in 3 families), as recorded by Itioka *et al.* (2009). All collected specimens deposited in the Insectarium of the Forest Department Sarawak.

Terdapat beberapa spesies kupu-kupu yang dikenali pasti beracun. Toksin tersebut berasal daripada bahan kimia yang terkandung dalam tumbuhan yang dimakan semasa di peringkat larva, dan terus disimpan dalam tubuh sehingga kupu-kupu menjadi dewasa. Walaupun tidak berbahaya kepada manusia apabila disentuh, bahan kimia tersebut menyebabkan kupu-kupu tidak dapat dimakan oleh pemangsa semula jadi seperti burung. Di Taman Negara Bukit Lambir, lebih 20 spesies kupu-kupu beracun telah direkodkan (Itioka et al., 2009). Buku ini memperkenalkan 23 spesies (daripada 3 famili) kupu-kupu beracun dan 5 spesies (daripada 3 famili) kupu-kupu tidak beracun yang menyerupai, seperti yang dicatatkan oleh Itioka et al. (2009). Koleksi spesimen tersebut telah disimpan di Insektarium Jabatan Hutan Sarawak.

Family: Nymphalidae



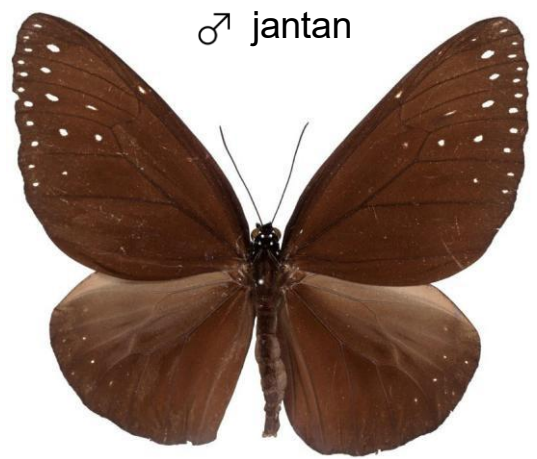
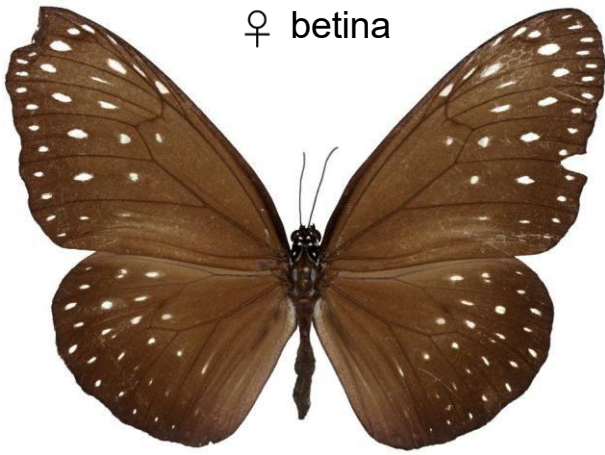
Scientific name: *Euploea mulciber*

Common name: Striped blue crow

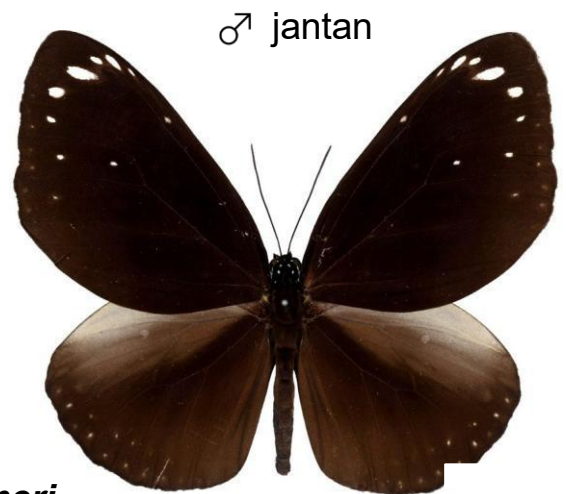
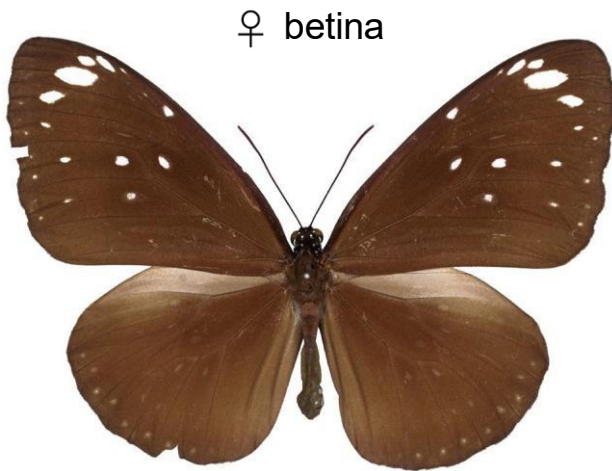


Larva

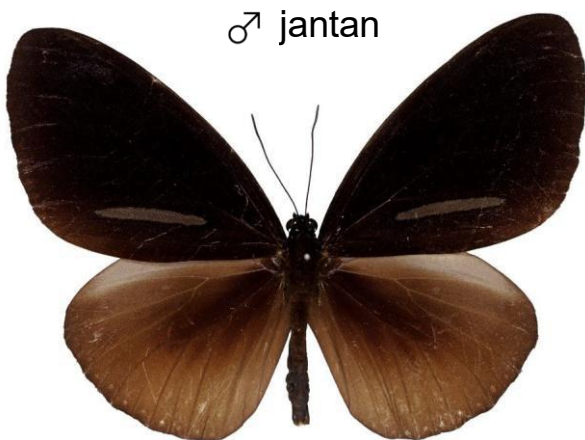
Poisonous Butterflies



Euploea camaralzeman
Malayan crow



Euploea crameri
Black spotted crow



Euploea algea
Long branded blue crow

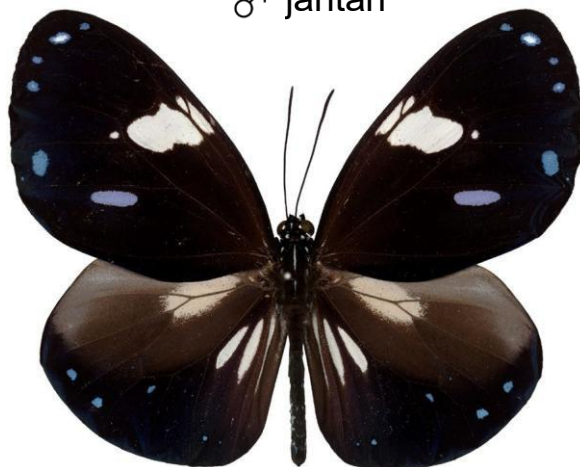
Euploea midamus
Blue spotted crow

Poisonous Butterflies

♀ betina



♂ jantan



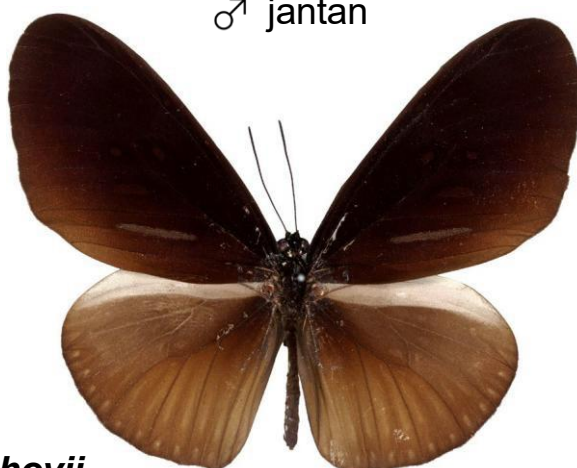
Euploea diocletianus

Magpie crow

♀ betina



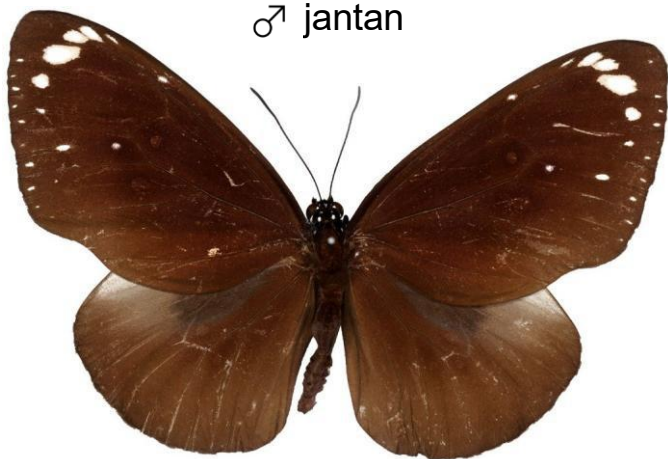
♂ jantan



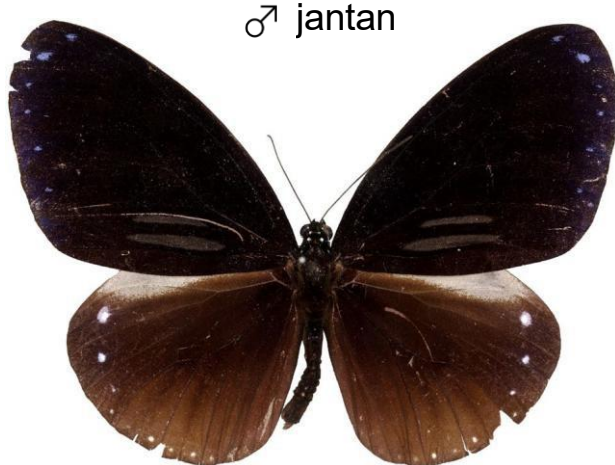
Euploea eyndhovii

Striped black crow

♂ jantan



♂ jantan



Euploea modesta

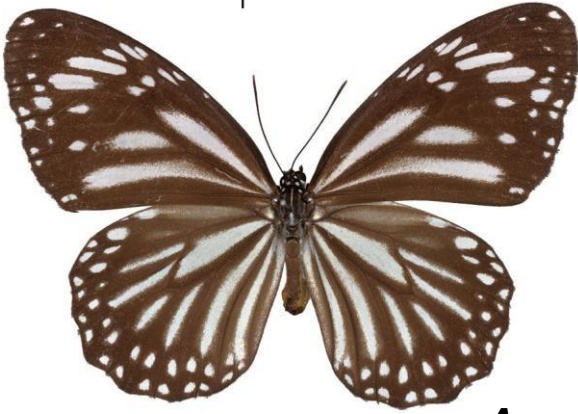
Plain blue crow

Euploea sylvester

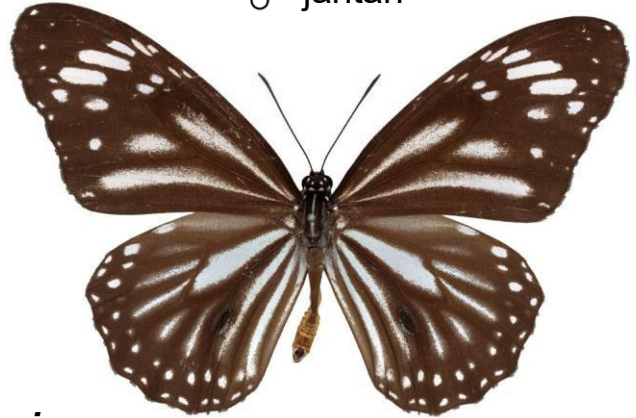
Double-branded crow

Poisonous Butterflies

♀ betina



♂ jantan



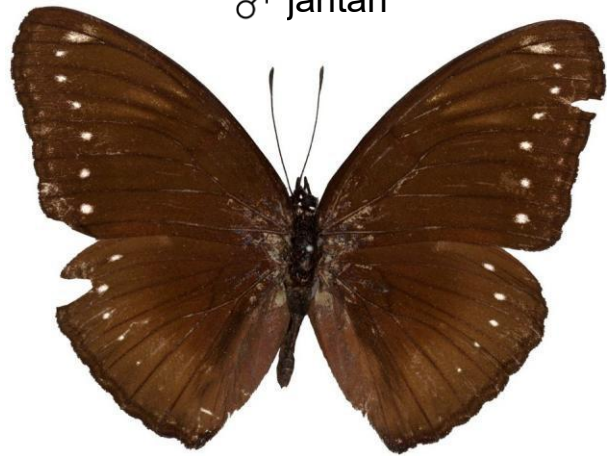
Anosia melanippus

Black veined tiger, White tiger, Common tiger, Eastern common tiger

♀ betina



♂ jantan



Hypolimnas anomala

Malayan eggfly, Crow eggfly

♀ betina



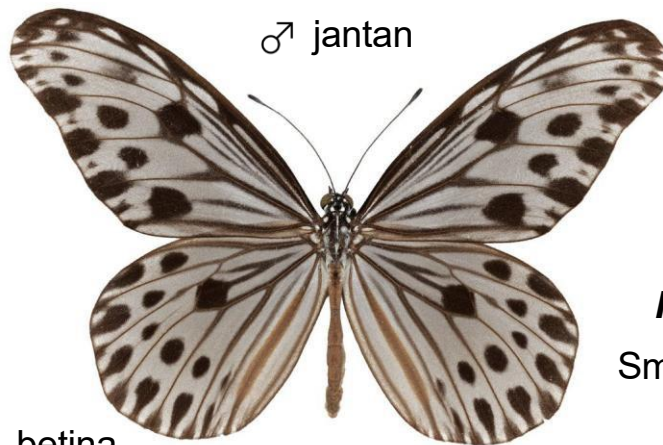
♂ jantan



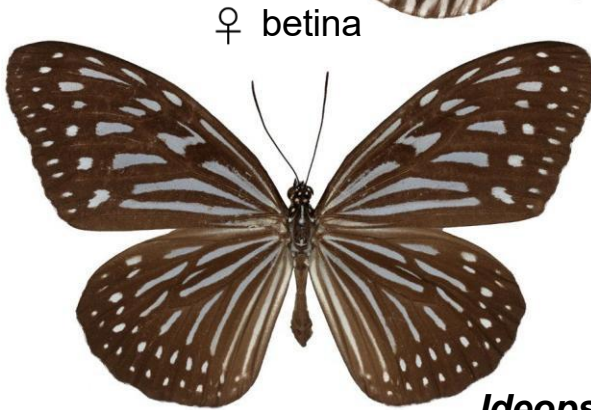
Hypolimnas bolina

Great eggfly, Common eggfly, Varied eggfly

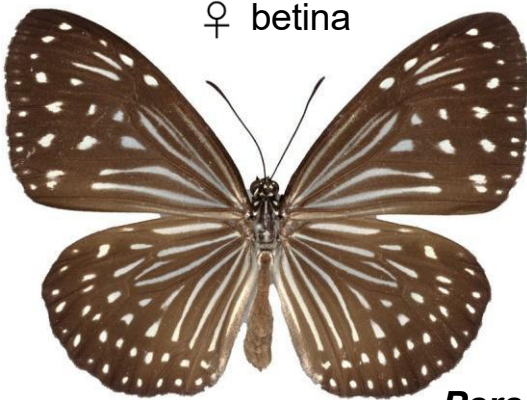
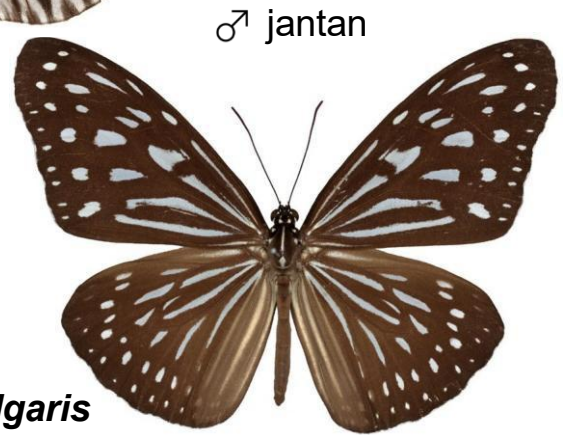
Poisonous Butterflies



Ideopsis gaura
Smaller Wood-Nymph

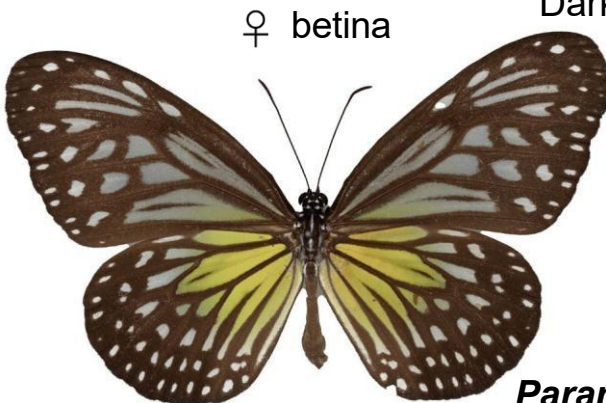
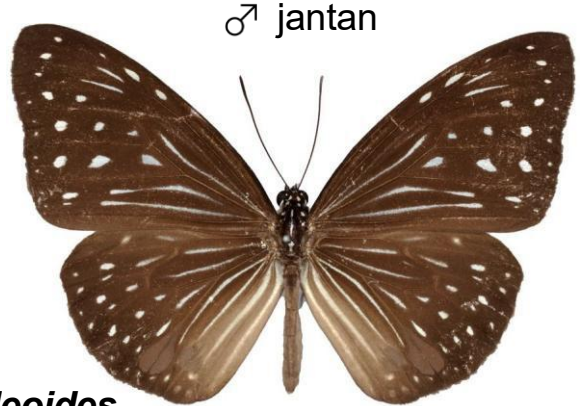


Ideopsis vulgaris
Blue glassy tiger

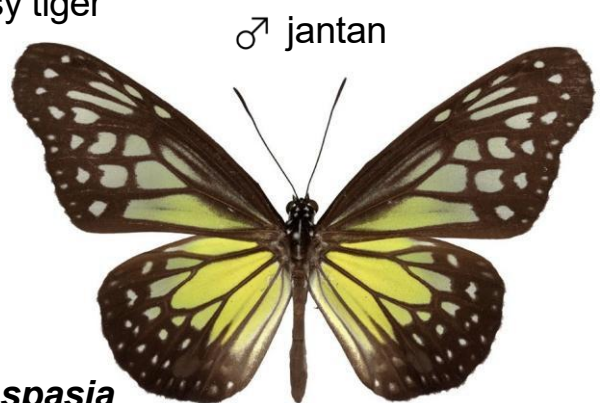


Parantica agleoides

Dark glassy tiger



Parantica aspasia
Yellow glassy tiger



Poisonous Butterflies

Family: Pieridae

♂ jantan



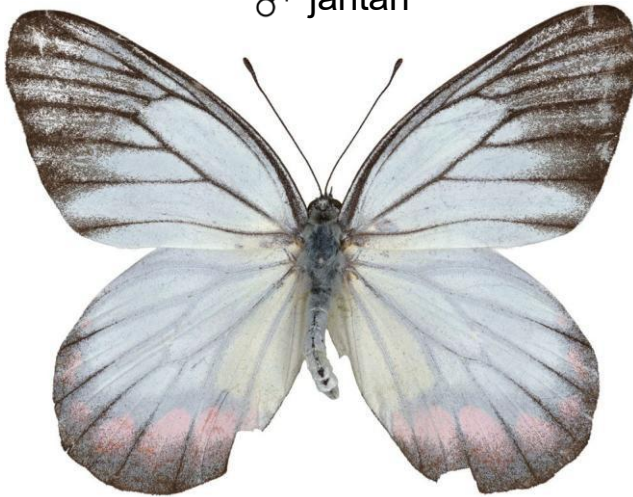
Delias henningia

Malayan jezebel



Back side

♂ jantan



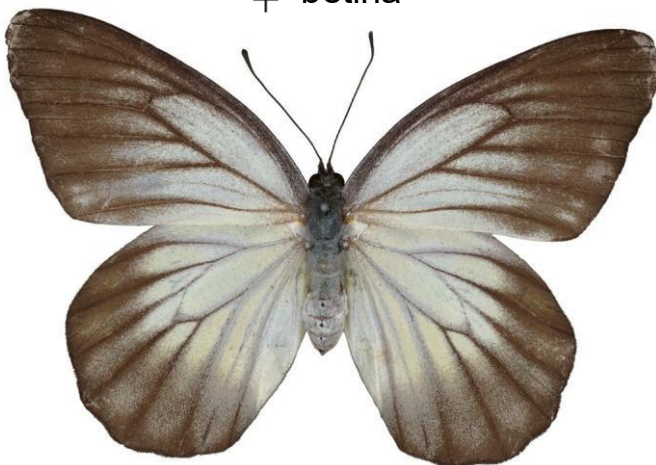
Delias hyparete

Painted jezebel



Back side

♀ betina



Delias singhapura

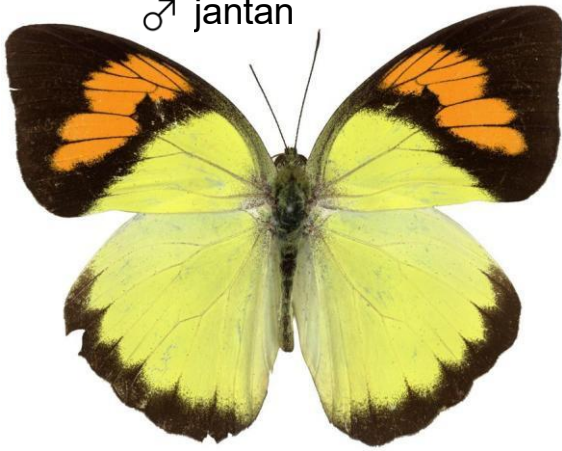
Lion jezebel



Back side

Poisonous Butterflies

♂ jantan



Ixias undatus

Bornean yellow orange tips

♂ jantan

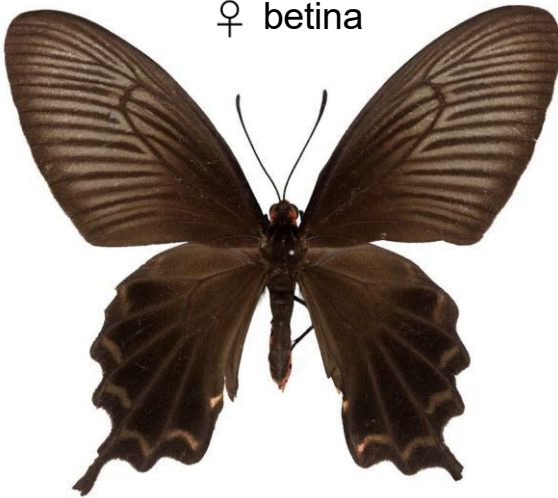


Leptosia nina

Psyche

Family: Papilionidae

♀ betina



Pachliopta aristolochiae

Common rose

♂ jantan



♂ jantan



Losaria neptunus

Yellow-bodied club-tail, Yellow club-tail

Mimicking Butterflies

Introduction

Some butterflies mimic poisonous butterflies to avoid attack by predators.

Beberapa ekor kupu-kupu menyerupai kupu-kupu yang beracun untuk mengelak serangan daripada pemangsa.

Poisonous Butterfly

Family: Nymphalidae

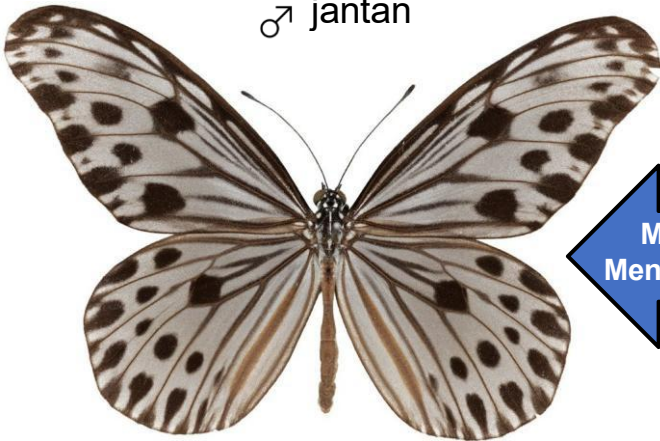
♀ betina



Euploea mulciber

Striped blue crow

♂ jantan



Ideopsis gaura

Smaller Wood-Nymph

Mimicking Butterfly

Family: Nymphalidae

♀ betina

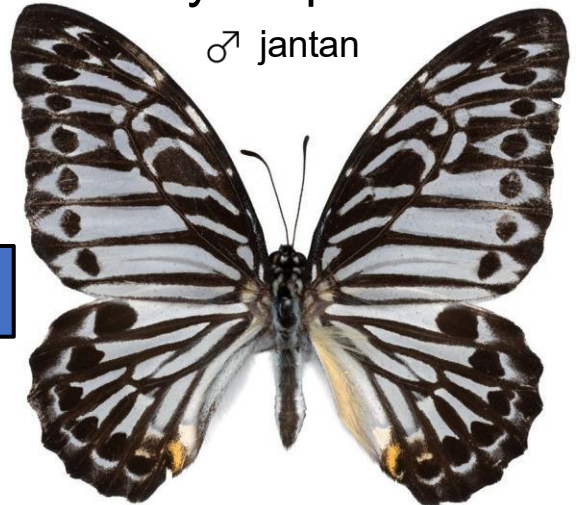


Elymnias nesaea

Tiger palmfly

Family: Papilionidae

♂ jantan



Graphium delessertii

Malayan zebra

Mimic
Menyerupai

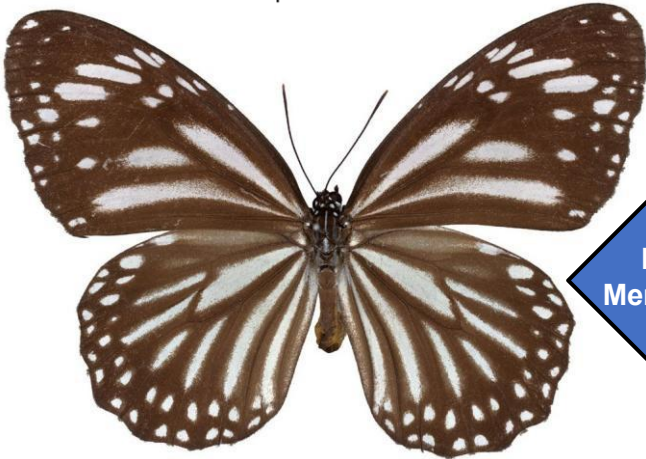
Mimic
Menyerupai

Mimicking Butterflies

Poisonous Butterfly

Family: Nymphalidae

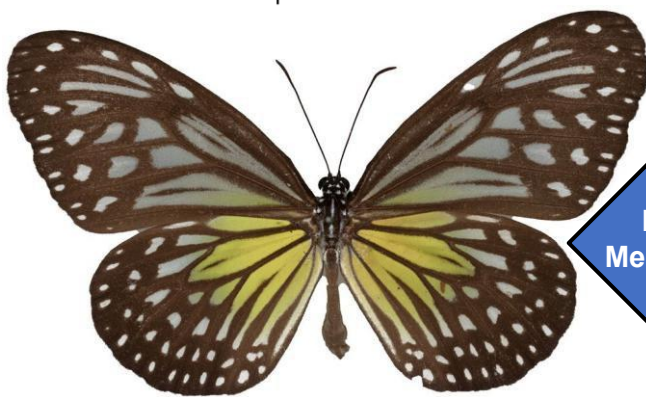
♀ betina



Anosia melanippus

Black veined tiger, White tiger,
Common tiger, Eastern common tiger

♀ betina



Parantica aspasia

Yellow glassy tiger

Mimicking Butterfly

Family: Nymphalidae

♂ jantan



Euripus nyctelius

Courtesan

Family: Pieridae

♀ betina



Pareronia valeria

Common wanderer, Malayan wanderer

Mimic
Menyerupai

Mimic
Menyerupai

Mimicking Butterflies

Chilasa paradoxa mimics different types of poisonous butterflies depending on the individual.

Chilasa paradoxa menyerupai pelbagai jenis kupu-kupu beracun bergantung kepada individu.

Poisonous Butterfly

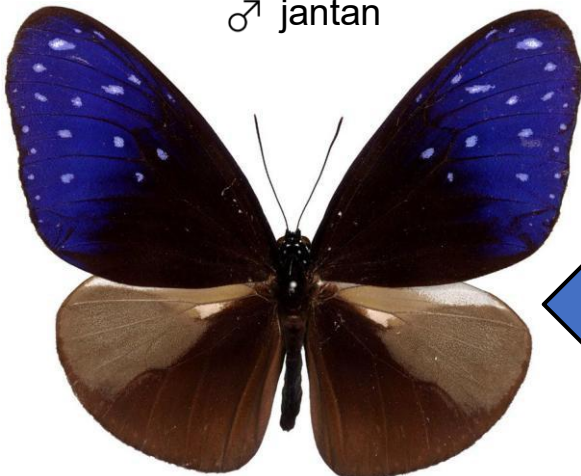
Family: Nymphalidae

♀ betina



Mimic
Menyerupai

♂ jantan

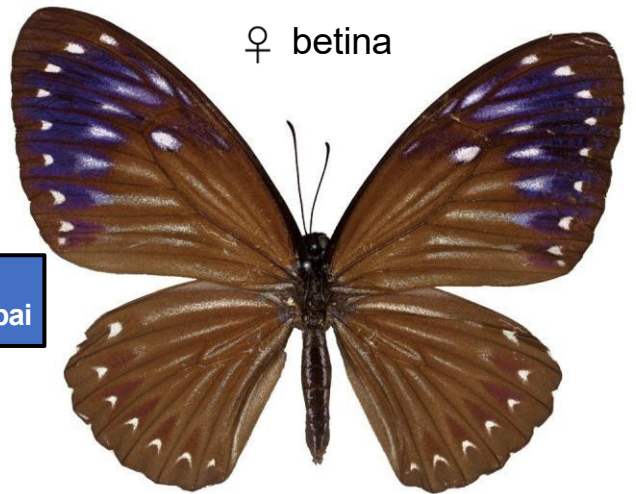


Euploea mulciber
Striped blue crow

Mimicking Butterfly

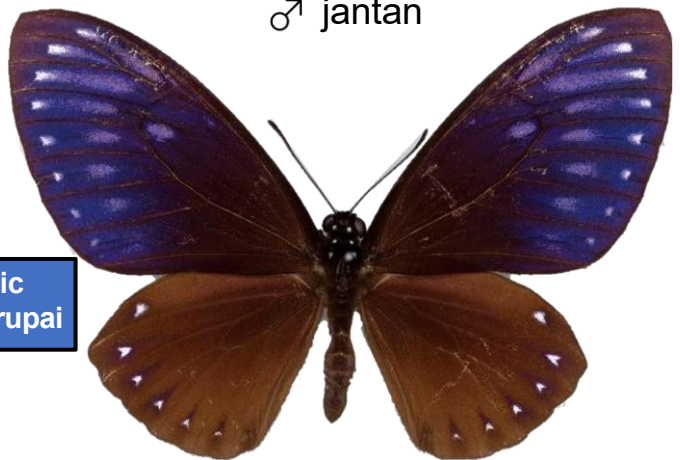
Family: Papilionidae

♀ betina



Mimic
Menyerupai

♂ jantan



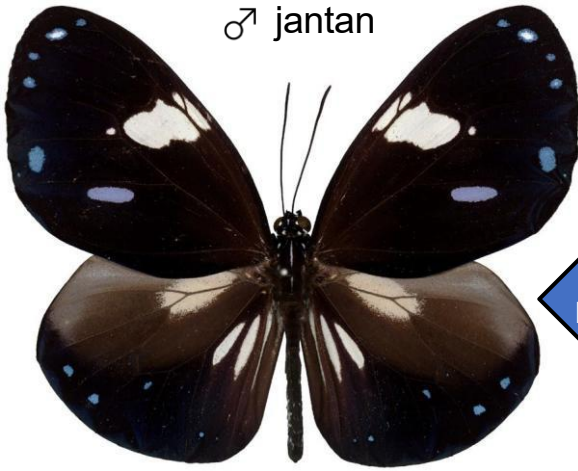
Chilasa paradoxa
Great blue mime

Mimicking Butterflies

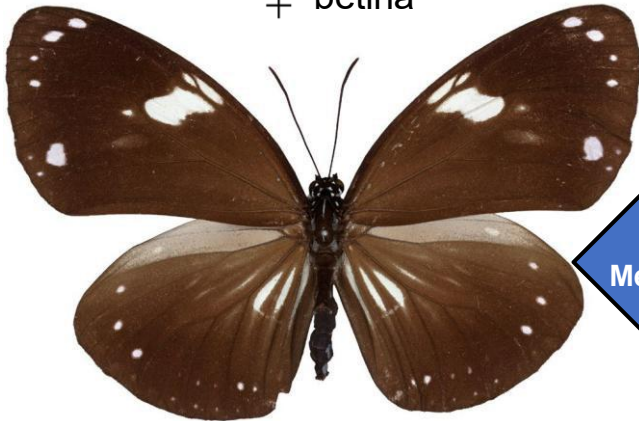
Poisonous Butterfly

Family: Nymphalidae

♂ jantan



♀ betina



Euploea diocletianus

Magpie crow

♀ betina



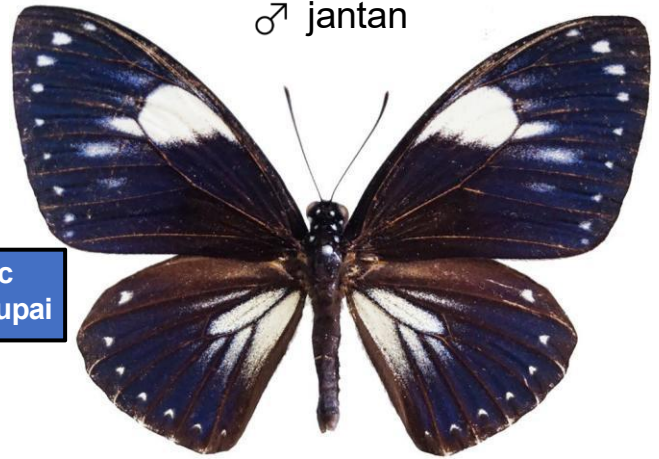
Euploea crameri

Black spotted crow

Mimicking Butterfly

Family: Papilionidae

♂ jantan



♀ betina



♀ betina



Chilasa paradoxa

Great blue mime

Mimic
Menyerupai

Mimic
Menyerupai

Mimic
Menyerupai



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