GBIF Global Biodiversity Information Facility

Biodiversity Information Fund for Asia (BIFA)

環境省

Data mobilization of Indonesian butterfly collections at Museum Zoologi Bogor, Indonesia

Djunijanti Peggie – Museum Zoologi Bogor, Indonesia

GBIF ENGAGEMENT MEETING 8 JULY 2019, BIODIVERSITY CONSERVATION AGENCY, HANOI

PROJECT OBJECTIVES

- to improve MZB butterfly collections data management and use. The butterfly specimens at MZB are estimated to be numbered about 58,000 individuals but most of them have not been put into a database system. Data on specimen labels will be recorded to extract the spatial and temporal information from each specimen. QR codes will be assigned to each specimen, and photographs of the butterflies will be taken as needed from each major locality.
- to make additional data on life history of some butterfly species available, which derived from observation at LIPI's butterfly garden.
- to make data available through GBIF based on the mobilization of specimen data, which can be extracted and utilized for conservation assessment or any future research on Indonesian butterflies.

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DATA SOURCES

- Butterfly specimens at Museum Zoologi Bogor collection: all mounted and unmounted specimens of Papilionidae, endemic species and highly traded non-Papilionidae species.
- Data on life history of some butterfly species reared at LIPI's butterfly garden.

PROJECT TIMELINE

Activity	2019								2020			
	M	J	J	A	S	O	N	D	J	F	M	A
Learn and adopt the data management system which can be adaptable worldwide (adjustment and/or improvement will be made in July 2019 if needed after the BIFA Workshop)	X	X										
Sort, validate, and make the specimens available for data registration and photograph	X	X	X	X	X	X	X	X	X	X		
Mandatory attendance of a project team member to the BIFA Capacity Enhancement Workshop			X									
Submit mid-term report – 31 October 2019						X						
Conduct data entry activity according to the specimen registration system which include: • give MZB number and QR code to each specimen • enter data on specimen labels to spreadsheet on computer • take photograph of upperside and underside of at least one male and one female specimen complete with labels (existing, additional MZB number and QR code) from each locality for each species.		X	X	X	X	X	X	X	X	X	X	
Add data of life history and biology based on existing LIPI's butterfly garden on site (anticipated date upon publication of manuscript)									X			
Maintain contact and coordination with participating partners to ensure the activities are in-line with the collaborative scheme	X	X	X	X	X	X	X	X	X	X	X	X
Register and upload georeferenced Indonesian butterfly collection data to GBIF					X	X					X	X
Conduct a workshop on digitizing butterfly specimens										X		
Submit final reporting – 30 April 2020												X

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PROJECT SUSTAINABILITY

- After this first year work on all Papilionidae, endemic species, and highly-traded non-Papilionidae, we will continue to work on other families of butterflies, preerably if additional support for data entry operators can be obtained. With the improved data management system, the data entry can be continued also by our available technicians at the lab but at slower rate than this year's fully supported and dedicated project. The specimen data generated from the project may also provide further stimulus to expand the MZB dataset and digital network. In addition, a workshop on digitizing butterfly specimens will invite butterfly enthusiast communities as target audience, in the hope to encourage them to do volunteering work if possible in the next year to continue data mobilization for the MZB collections.