

THE FIRST RECORD OF GYNANDROMORPHISM IN LUCILIA CALVICEPS BEZZI (DIPTERA: CALLIPHORIDAE) FROM LANJAK ENTIMAU WILDLIFE SANCTUARY, SARAWAK, MALAYSIA

*Siew Hwa Tan^{1,2}, Siew Fui Wong³, Hiromu Kurahashi⁴

¹ International Department of Dipterology Kuala Lumpur Laboratory, A-21-7, Gembira Residen Condo., No. 2 Jalan Sengang Ria, Taman Gembira, 58200, Kuala Lumpur, Malaysia.

² Genetics and Molecular Biology, Institute of Biological Sciences, Faculty of Science, University of Malaya, 50603 Kuala Lumpur, Malaysia.

³ Sarawak Museum Department, Jalan Tun Abang Haji Openg, 93566 Kuching, Sarawak, Malaysia.

⁴ Department of Medical Entomology, National Institute of Infectious Diseases, Tokyo, 162-8640 Japan.

*corresponding author

hwatanum2@yahoo.com

Accepted on XXXXXXXX

ABSTRACT

A field-collected gynandromorph of *Lucilia calviceps* Bezzi was reported in Sarawak,

Keywords: Malaysia. This is the first case of gynandromorphism in the family Calliphoridae gynandromorph, worldwide. The fly specimen was collected from Nanga Ju station, Lanjak Entimau Wildlife Sanctuary (LEWS) in 2014. The fly possessed a polar (anterior-posterior) *Lucilia calviceps*, Calliphoridae, gynandromorph form – female character on the head and male terminalia at the Sarawak, Malaysia postabdomen. A new distribution data of this species was added to the Sarawak collection.