

KETIADAAN DIMORFISME SEKSUAL SECARA MORFOMETRI DAN
PERBEDAAN INTRASPEKIFIK RELUNG PAKAN PADA
KADAL *Mabuya multifasciata*
(LACERTILIA: SCINCIDAE)

Hellen Kurniati, Agus H. Tjakrawidjaja, Gono Semiadi
Puslitbang Biologi-LIPI
Jln. Ir. H. Juanda No. 18, Bogor

ABSTRACT

*Differences on body size between male and female scincids generally influence intraspecific food niche. However information on the sexual dimorphism on **M. multifasciata** is unavailable. The aim of this study was to understand the relation between sexual dimorphism on body size and food niche difference. Fifty four specimens of **M. multifasciata** consisted of 19 adult males, 23 adult females and 12 subadult were collected from Indonesian Botanical Garden in Bali and they were measured for their morphology. The result on univariant, correlation and multiple regression statistical analyses on morphology of variant snout to vent length (SVL), mouth length (ML), mouth wide (MW), humerus length (HL), radius length (RL), femur length (FL) and tibia length (TL) on adult males, adult females and subadult of **M. multifasciata** revealed that there were no sexual dimorphism between adult males and adult females; strong correlation among the variants; and regression square of all the variants to SVL on adult males, adult females and subadult up to 0,96. The intraspecific food niche differences between adult males and adult females had no effect on sexual dimorphism.*

Key words: *Mabuya multifasciata*, sexual dimorphism, food niche.