



## DAILY ACTIVITIES OF BALI MYNA (*Leucopsar rothschildi*) AT BALI MYNA GUIDANCE CENTER, TEGAL BUNDER, BALI BARAT NATIONAL PARK

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### INTRODUCTION

Bali Myna (*Leucopsar rothschildi*) is Bali's endemic bird. Their number is decreasing gradually in the wild (Balen *et al.*, 2000). Its bright color of white feather and blue skin that surrounded its eye have made them easy to be hunted when it perched on a branch. Bali Myna was classified as endangered species by International Union of Conservation and Natural resources (IUCN) in 1977 (Whitten *et al.* 1999). There is a captive breeding in Tegal Bunder, Bali Barat National Park (BBNP) called Bali Myna Guidance Centre to increase wild population as an effort to prevent extinction. There, its conditions should be monitored regularly to keep them in prime condition, before being released for breeding purpose. Their condition could be controlled by monitoring their daily activities.

### Objectives

1. How were the categories of Bali Myna at Bali Myna Guidance Center, Tegal Bunder, BBNP?
2. How are Bali Myna daily activities according to its category?

### MATERIALS AND METHODS

This study used tools such as (1) binocular to observe the bird, (2) table to record Bali Myna activities, and (3) digital camera for documentation. This study was conducted on July 17th - August 5th, 2012 in Bali Myna Guidance Center, Tegal Bunder, Bali Barat National Park (BBNP). The daily activities of Bali Myna was observed using scanning or direct observation, a modified method based on the study done by Dimitra *et al.* (2011) and Gunawan (2004). Further, several interview were also done towards forest ranger and animal keeper in order to gain information on cage category. Observation of daily activities was held at 6:00 AM until 6:00 PM with a capture time of 10 minutes in each hour for 10 days. A pre-observation was conducted 2 days prior, to record some new activities that were previously unrecorded during earlier studies.

### RESULT AND DISCUSSION

The result of the interview towards forest ranger and animal keeper showed five cage categories that are summarized in Table 1.

Table 1. Bali Myna's cage category in Bali Myna Guidance Center, Tegal Bunder, Bali Barat National Park (BBNP).

No.	Cage Category	Description	Picture
1	Breeding cage	Include several mature Bali Myna that are productive for <i>breeding</i>	
2	Weaning cage	Include by 3-7 months old Bali Myna. -colony -to control the competition among birds as an early step to being release	
3	Mother to be cage	-Housed by Immature Bali Myna that fulfill criteria to be mother -to get Bali Myna mature couple	
4	Quarantine cage	Was used to care for Bali Myna that are physically or psychologically ill, new comer birds, new weaning birds.	
5	Kandang Kubah/ pra-pelepasliaran	- Housed by 7-12 months old Bali Myna that are healthy, as confirmed by veterinary -usually coupled	

Every cage is housed by birds with an average age that specified for breeding or for being released. As an effort to monitor their condition, daily activities of birds in each cage were observed. Birds in each cage showed different percentage of activities as showed at Figure 1.

The birds started their day at 6:00 AM and rested at 6:00 PM. The observation showed 20 varieties of activities with the highest percentage being stationer. *Stationer* indicates that the birds did not move from one location to another however though they continue to perform other activities such as voicing, sun bathing, body cleaning, flying, etc. There was no significant difference among each cage. For further study, it's important to compare daily activities between the wild bird and the birds that were kept in this place.

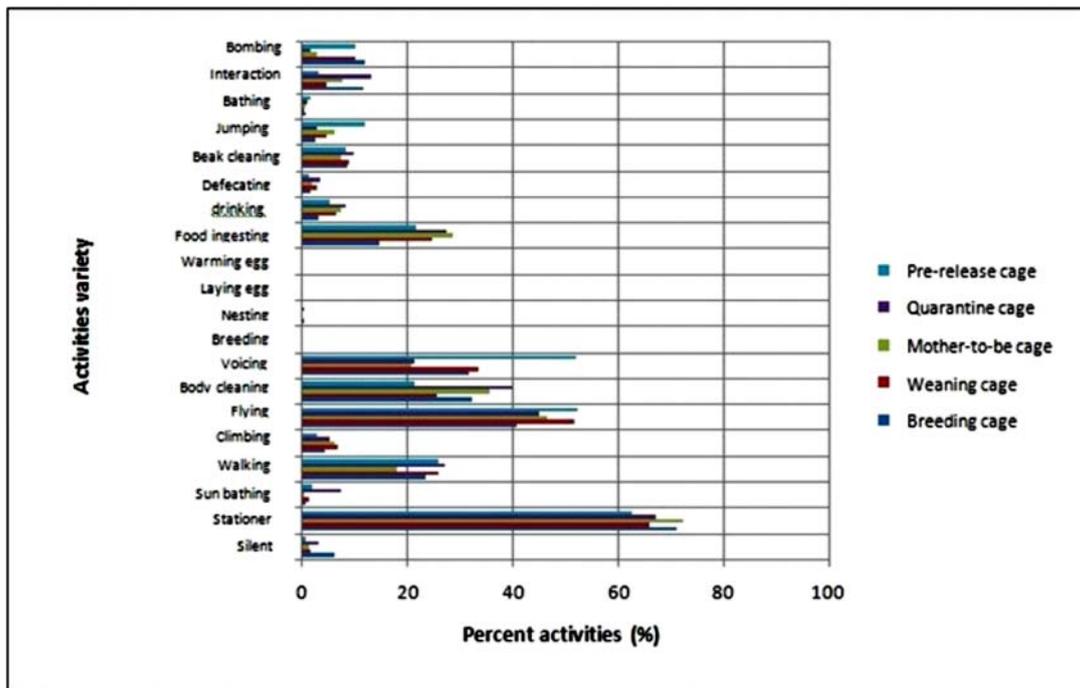


Figure 1. Activity percentage of Bali Myna for a day.

## CONCLUSIONS

1. Bali Myna in Bali Myna Guidance Center, Tegal Bunder, Bali Barat National Park (BBNP) were categorized according to age and purpose on coaching in five categories as breeding cage, weaning cage, mother-to-be cage, pre-release cage, and quarantine cage.
2. There were 20 activities recorded with the highest activity being stationer. Daily activities of Bali Myna in each cage had no significant differences in any enclosure.

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