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**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW**  
**KARYA ILMIAH : JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Morphological description and functions of feathers to support Otus angelinae activities  
 Penulis Jurnal Ilmiah : **Tyas Rini Saraswati**, Enny Yuniwati, Silvana Tana  
 Identitas Jurnal Ilmiah : a. Nama Jurnal : Journal of Animal Behaviour and Biometeorology  
 b. Nomor ISSN : pISSN: 2318-1265  
 c. Vol, No., Bln Thn : 7, 2, 92-96, Januari 2019  
 d. Penerbit : Universidade Federal Rural do Semi-Arido  
 e. DOI artikel (jika ada) : <https://doi.org/10.31893/2318-1265jabb.v7n2p92-69>  
 f. Alamat web jurnal : <https://www.jabbnet.com/>  
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- Unsur artikel lengkap mulai abstrak, keywords, introduction, methods, results and discussion, conclusion, acknowledgment dan referensi.
- Ruang lingkup** dalam bidang fisiologi Otus Angelina (celepuk jawa), khususnya letak bulu dan perannya dalam mendukung aktivitas celepuk jawa. Penelitian ini sangat penting, karena celepuk jawa merupakan salah satu satwa yang dilindungi PermenLHK No 20 Tahun 2018 tentang Jenis Tumbuhan dan Satwa yang dilindungi. **Pembahasan:** Penelitian ini merupakan penelitian deskriptif kuantitatif terkait dengan bobot badan dan bobot bulu pada berbagai bagian tubuh (Tabel 1). Penelitian ini juga merupakan penelitian deskriptif, dalam hal struktur, ukuran dan fungsi bulu pada berbagai bagian tubuh (Fig 1-7), Hasil dan pembahasan sangat informatif karena didukung dengan data kuantitatif (1 tabel), dan 7 foto karakteristik bulu (Fig 1-7). Penelitian ini merupakan penelitian dasar untuk pengembangan upaya konservasi satwa langka dan dilindungi
- Data/informasi** sangat kuat (1 tabel, dan 7 foto) **dan metode** penelitian dilakukan dengan menangkap celepuk jawa dari hutan, diukur dan diamati untuk selanjutnya dilepaskan kembali
- Kelengkapan unsur dan kualitas terbitan.** International Journal of Poultry Science Journal of Animal Behaviour and Biometeorology merupakan jurnal internasional bereputasi, terindeks SCOPUS, Q4, dengan SJR 0.2 (2018), H index jurnal 5. Diterbitkan oleh Universidade Federal Rural do Semi Arido Brazilia. Jurnal sesuai dengan topik artikel

Semarang, 5 Januari 2020

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Prof. Dr. Tri Retnaningsih Soeprbowati, MAppSc

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Unit Kerja : Departemen Biologi - FSM UNDIP

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Semarang, 5 Januari 2020

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d. Kelengkapan unsur dan kualitas penerbit (30%)	10,00	12,00	11,00
<b>Total = (100%)</b>	<b>34,00</b>	<b>39,25</b>	<b>36,63</b>
<b>Nilai Pengusul</b>	<b>20,40</b>	<b>23,55</b>	<b>21,98</b>

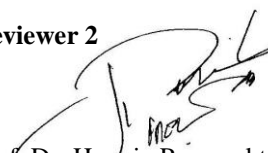
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**Reviewer 1**



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**Reviewer 2**



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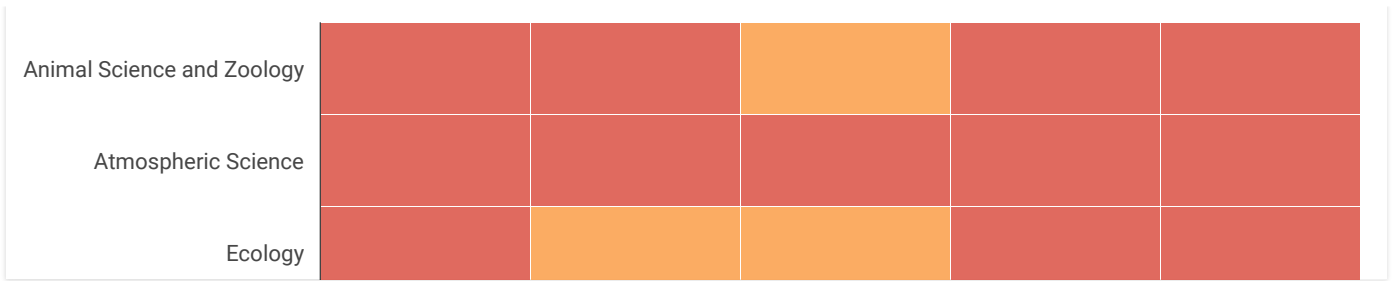
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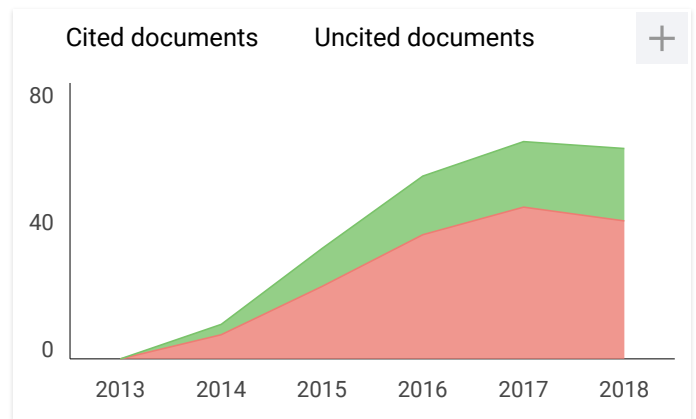
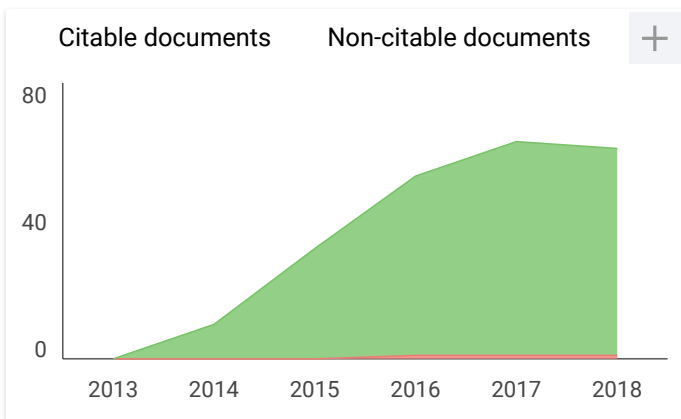
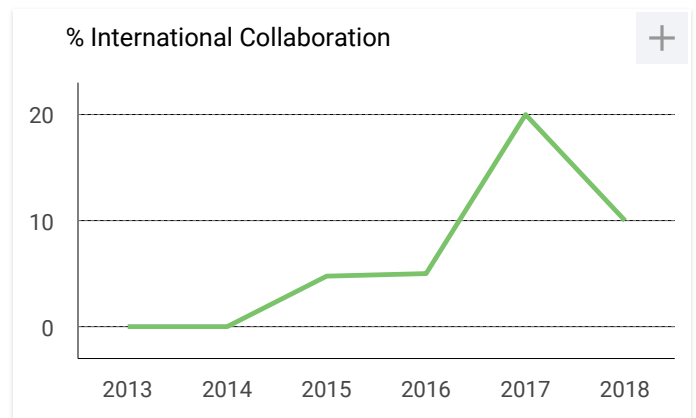
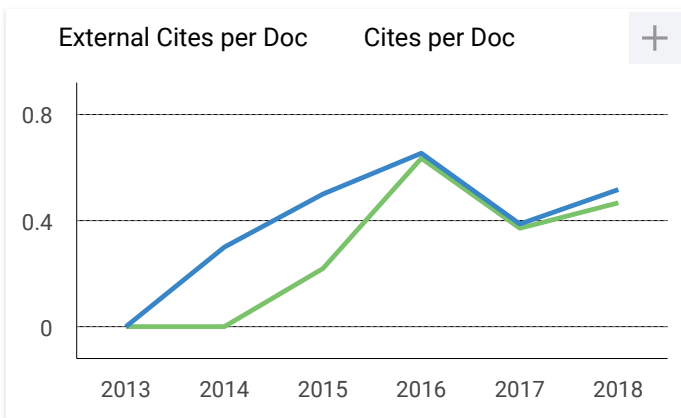
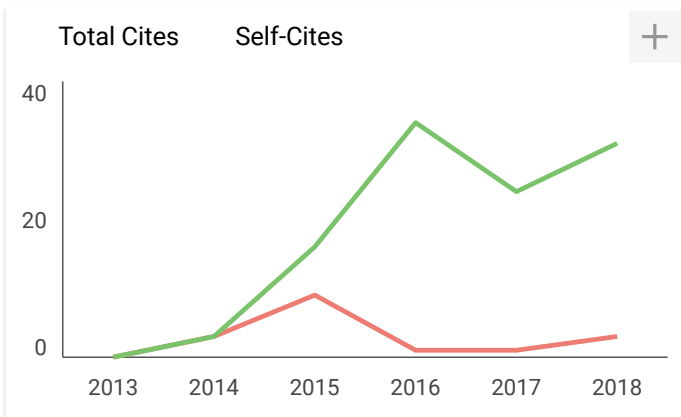
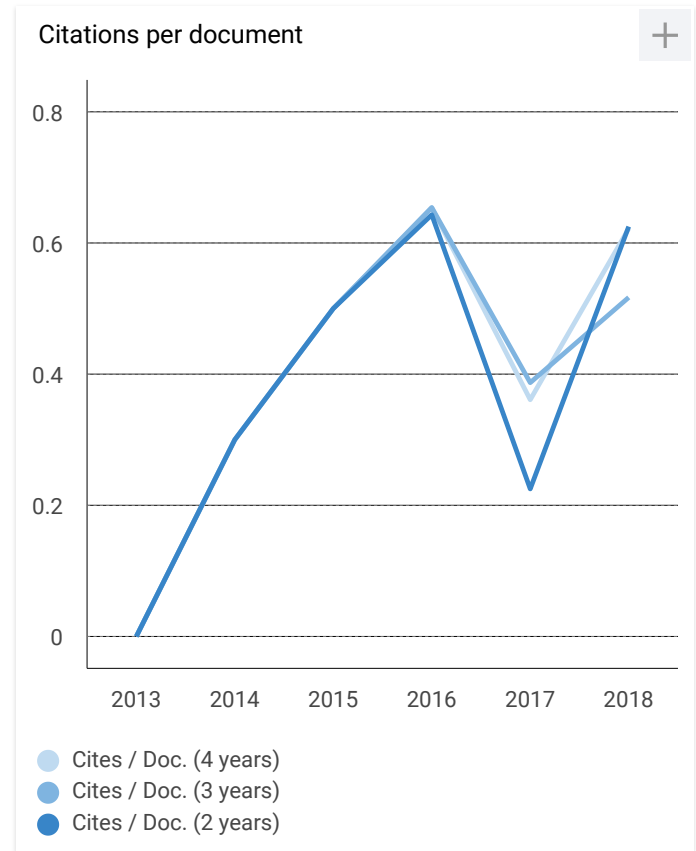
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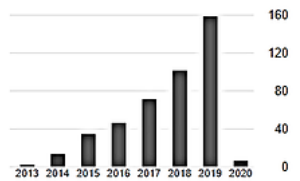
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Thulani Saizi, Maliviwe Mpayipheli, Peter Ayodeji Idowu

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***Evidence of seawater drinking in fasting subadult hooded seals (*Cystophora cristata*)***

Fernando Alvira Iraizoz and Erling Sverre Nordoy

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***Time allocations for different activities in the fiddler crab *Tubuca rosea* (Tweedie, 1937) (*Brachyura, Ocypodidae*)***

Fahmida Wazed Tina, Kanitta Keeratipattarakarn, Mullica Jaroensutasinee, Krisanadej Jaroensutasinee

## Original Article

***Implementation of a project for the organic agriculture experience in rural schools: climate studies, vegetable gardens, and free-range poultry production***

Adriana Maria dos Santos, Marina Paiva Baracuhy, Dermeval Araújo Furtado, Fabiana Terezinha Leal de Moraes, Adriano da Silva Félix

## Original Article

***Estimation of thermal comfort indexes for production animals using multiple linear regression models***

Valéria Cristina Rodrigues Sarnighausen

## Original Article

***Microenvironment identification and the feed availability for dairy cows during dry and wet seasons in the main dairy areas of Yogyakarta - Indonesia***

Budi Prasetyo Widyobroto, Rochijan, Cuk Tri Noviandi, Andriyani Astuti

## Original Article

***Animal and workers' welfare during agricultural fair***

Cinara da Cunha Siqueira Carvalho, Maria Dulcinéia da Costa, Maria Cecília Magalhães Gonçalves, Thamara Amaral Diniz, Geruza Cardoso da Silva, Heberth Christian Ferreira, Kátia Cristiane Borges Pereira, Anna Luísa de Oliveira Castro, Laize Vieira Santos

## Original Article

***Residual nets for understanding animal behavior***

Sarthak Yadav and Ankur Singh Bist

## Original Article

***Morphological description and functions of feathers to support *Otus angelinae* activities***

Tyas Rini Saraswati, Enny Yuniwati, Silvana Tana





# BEHAVIOUR AND BIOMETEOROLOGY

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Journal of Animal Behaviour and Biometeorology  
Volume 7, Issue 2, 2019, Pages 92-96

## Morphological description and functions of feathers to support Otus angelinae activities (Article) (Open Access)

Saraswati, T.R. ✉, Yuniwati, E.Y.W., Tana, S. 👤

Department of Biology, Faculty of Science and Mathematics, Universitas Diponegoro Semarang, Indonesia

### Abstract

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Otus angelinae is an owl that known for their silent flight, capable of flying just inches from their prey without being detected. The quietness of their flight is owed to their special feathers. This study aimed to describe the morphology and function of feathers of Otus angelinae. Two Otus angelinae aged 4 months taken from the wild forest of East Java. Owl were sedated with chloroform, dissected, and then observed to know the morphological of feathers that coat its body. The results showed that each part of the body of an owl composed of different morphology and size of feathers to support the activity of flying. © 2019 Universidade Federal Rural do Semi-Arido. All Rights Reserved.

### SciVal Topic Prominence ⓘ

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### Author keywords

Owl Silent flight Wild animal

### Funding details

#### Funding text

This article was part of the results of research funded by Penerimaan Negara Bukan Pajak (PNBP), Riset Penerapan dan Pengembangan (RPP) 2016. Our gratitude goes to the Directorate General of Higher Education and Lembaga Penelitian dan Pengabdian kepada Masyarakat (LPPM)-Universitas Diponegoro.

ISSN: 23181265

Source Type: Journal

Original language: English

DOI: 10.31893/2318-1265jabb.v7n2p92-96

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