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The Metagenomic Analysis of Potential Pathogenic Emerging Bacteria in Fleas
 Dina Victoria Rombot and Mokosuli Yermia Samuel

Abstract: Background and Objective: At present many pathogenic microbes that cause disease in humans are transmitted through animals. *Ctenocephalides felis* specific ectoparasites in cats. Metagenomic research on the digestive tract and body surface of *C. felis* has been conducted. DNA genomics was extracted from the body surface and digestive tract of *C. felis*. **Materials and Methods:** Metagenomic analysis has used the 16S rRNA gene (V3-V4 region). Sequencing was carried out using New Generation Sequencing at the First BASE Laboratory, Singapore. **Results:** Wolbachia has the most significant bacterial composition in *C. felis* (94.4%), we were found bacteria with a composition > 1% that have never been reported to be associated with *C. felis*. Also, there were 0.2% of bacteria whose taxonomic status cannot be determined. **Conclusion:** The results of this study become a vital reference **pathogenic bacteria** that can be transmitted to humans and animals through *C. felis*. It is necessary to study the resistance of bacteria isolated from *C. felis* to antibiotics in the future.

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Nov 30, 2022

Dr. Mokosuli Yermia Samuel, Entomology from Sam Ratulangi University, Indonesia

Subject: Acceptance Letter for Article No. 106755-PJBS-ANS1

It's a great pleasure for us to inform you that below mentioned manuscript has been accepted for publication in Pakistan Journal of Biological Sciences as Research Article on the recommendation of the reviewers.

Title: The Metagenomic analysis of potential pathogenic emerging bacteria in fleas
 Author's Name: Yermia Samuel Mokosuli and Dina Rombot
 Receiving Date: August 18, 2021
 Published on: September 15, 2021

Regards


 M. Imran Pasha
 Publication Manager

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Please inform the publication of our articles.  

 **Yermia Mokosuli** <labbiomolunima@gmail.com>
to Science







Tue, Oct 12, 2021, 7:10 AM

We ask for information on the publication of our articles (**106755-PJBS-ANSI**). In our Account we have done final proof approved for publication. We hope to be able to submit a new article soon for the next edition of our current research which is nearing completion. Thank you very much.

Best regards
Dina V Rombol (Sam Ratulangi University, Manado, Indonesia)
Mokosuli Yermia semuel (State University of Manado, Tondano, Indonesia)

Accepted Articles

106755-PJBS-ANSI Final Proof approved by the author

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103338-JE-AJ - Request for Revised Article 

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Wed, Jun 10, 2020, 7:30 PM

Dear Dr. Mokosuli Yermia Semuel

This is with regard to your submitted manuscript, 103338-JE-AJ, titled Metagenomic analysis of bacteria in cat fleas (Ctenocephalides felis), submitted to Journal of Entomology on May 28, 2020 for consideration as a Research Article.

The article has been accepted for publication after revision. A Peer Review report is available online and you can access this report after log in to your account with User ID: labbiomolunima@gmail.com

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It is therefore, requested to please submit revised version of your article urgently for further processing

Please let us know when we can expect the revised version of your manuscript.

We look forward to hearing from you.

Regard
Academic Editor