

Identification of Ectoparasites that Infect Mangrove Crabs (*Scylla Serrata*) in Asahan District, Indonesia

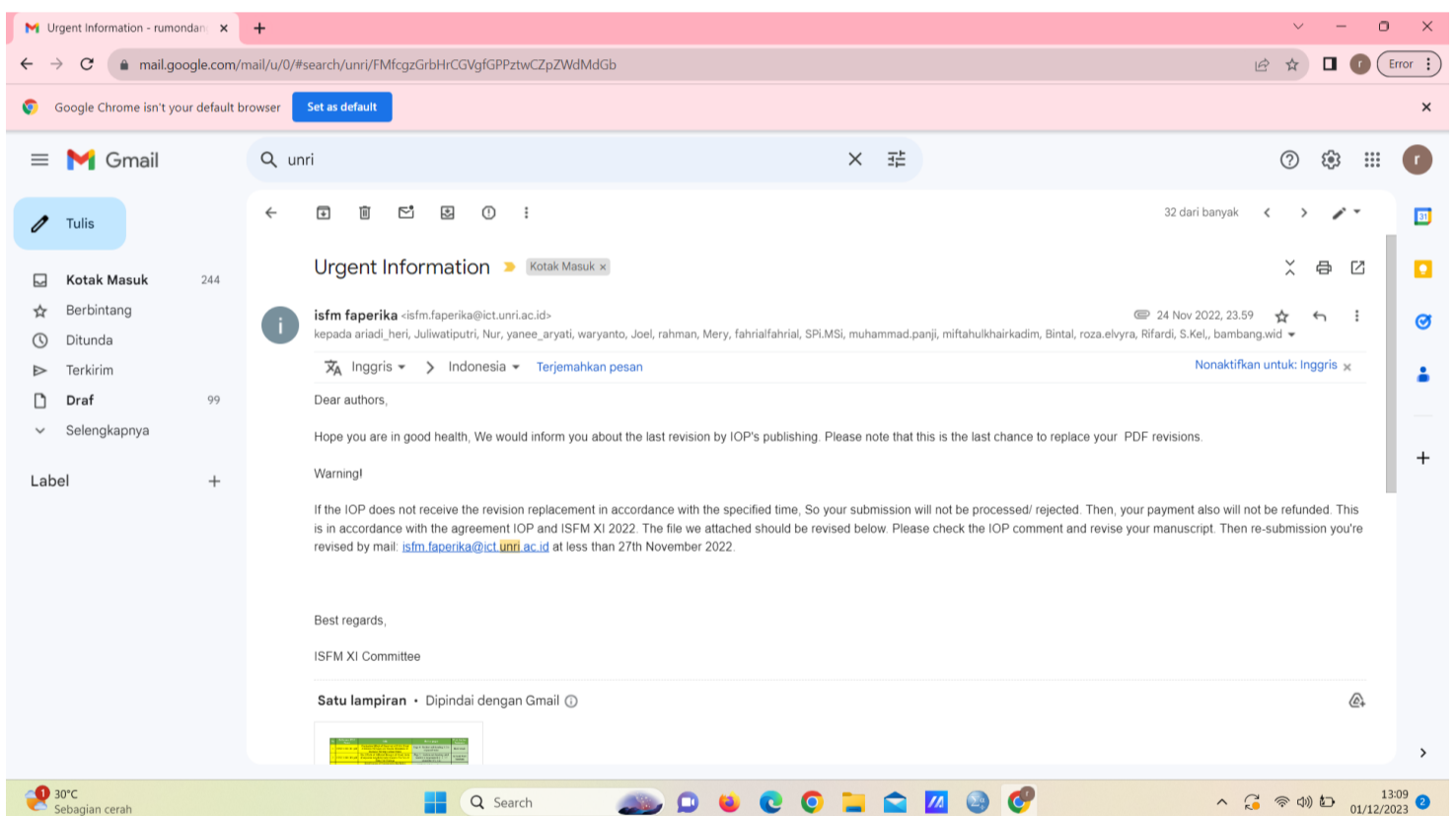
Rumondang^{1*}, J P Batubara¹, K Laila¹, D Gustira², I Mulyani³

¹Lecturer of Aquaculture , University of Asahan

²Students of Aquaculture University of Asahan

³Aquatic Resources Management, University of Riau.

* juliwatiputri@gmail.com



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Identification of Ectoparasites that Infect Mangrove Crabs (*Scylla Serrata*) in Asahan District, Indonesia

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¹Lecturer of Aquaculture, University of Asahan
²Students of Aquaculture University of Asahan
³Aquatic Resources Management, University of Riau.

[* juliatiputri@gmail.com](mailto:juliatiputri@gmail.com)

Abstract. The purpose of this study was to determine the type and level of prevalence and intensity of ectoparasites that infect mud crabs (*Scylla serrata*) in Asahan district. The method of data collection was carried out by field observation methods carried out in the sea silos, Pematang Baru, and Sei Kepayang areas. The crab samples observed were live crabs, the number of mud crabs taken for the sample was 10% of each population. Furthermore, in the carapace, the type of parasite that attacks is *Trichodina sp* with a prevalence rate of 38%. This parasite infected 5 of the 13 samples. Then the types of parasites *Carchesium sp* and *Poecilasmatidae* each with a prevalence rate of 31% these two types of parasites infect 4 samples of crabs found at the foot of theroad, this type of parasite infects 4 out of 13 samples. Then the types of parasites *Carchesium sp* and *Poecilasmatidae* each with a prevalence rate of 31% these two types of parasites infect 4 samples of crabs found at the foot of theroad, this type of parasite infects 4 out of 13 samples. Then the types of parasites *Carchesium sp* and *Poecilasmatidae sp* each with a prevalence rate of 31% these two types of parasites infect 4 samples of crabs found at the foot of theroad, this type of parasite infects 4 out of 13 samples. The crabs that attack the sea silos are *Octolasmis sp*, *Ichthyophthirius multifiliis*, *Trichodina sp*, *Zoothamnium sp*. The parasites that attack the new ponds are *Octolasmis sp*, *Carchesium sp*, *Zoothamnium sp*, and the parasites that attack Sei Kepayang are *Octolasmis sp*, *Carchesium sp*, *Poecilasmatidae sp*, *Trichodina sp*. The intensity of the parasites found was classified as moderate but for the parasite *Octolasmis sp*.

1. Introduction

North Sumatra is one of the provinces that has a very wide coastal area, so it has enormous potential in producing fishery and marine resources[1]. North Sumatra's fisheries and marine potential comes from 100.000 hectares of marine aquaculture, 81.372,84 hectares of freshwater aquaculture, consisting of 20.000 hectares of pond cultivation, and 155.797 hectares of public waters.[2]. Indonesia is known as

Page 1 of 9 3590 words

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