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Judul : Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices

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Submission	
Authors	Sudirman Adibrata, Rufti Puji Astuti, Novyandra Ilham Bahtera, Rahmad Lingga, Fahmida Manin, Maulana Firdaus
Title	Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices
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Supp. files	None
Submitter	Hello Sudirman Adibrata
Date submitted	January 7, 2022 - 01:33 AM
Section	Research Articles
Editor	Indonesian Journal of Marine Science
Author comments	I am very happy if this article can be accepted in the IJMS journal
Reviewers suggestion	Reviewer 1. Dr. Andri Kurniawan;

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BINA KALAU: Indonesian Journal of Marine Sciences
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Reviewers suggestion

Reviewer

1. Dr. Andri Kurniawan;
email: andri_pangkal@yahoo.co.id
Aquaculture, Universitas Bangka Belitung
Reason: He have capability for review article about environmental of fish powder and diet aquaculture

2. Dr. Robet Perangin Angin, S.St.Pl., M.Si;
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Polytechnic Karawang, Ministry of Marine and Fishery
Reason: He have capability for review article about environmental and management of aquaculture

3. Dr. Robin, S.Pi, M.Si;
email: yumenku@gmail.com
Aquaculture, Universitas Bangka Belitung
Reason: He have capability for review article about environmental of fish powder, diet aquaculture, and owner in fresh water aquaculture

Abstract Views 0

Status

Status ##mpgundip.submissions.published## Vol 27, No 1 (2022): Ilmu Kelautan

Initiated 13-02-2022

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Scopus ID 57202335445

Sinta ID 6695555



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Title and Abstract	
Title	Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices
Abstract	<i>Bycatch small pelagic fish during the fishing season can be oversupplied so that its price goes down. The study aims to analyze the proximate of local fish powder from the by-catch and probiotics of Probio_FM in the fish feed in Bangka Belitung. The method was the data compared with the Indonesian National Standard, SNI 01-2715-1996/Rev: 92 about the raw material of animal feed as fish powder and fish feed with six different treatments. The study found that the bycatch or trash from small pelagic fish could be used as a fish powder or fish feed. The proximate analysis on fish powder and fish feed with probiotics Probio_FM included as the quality of SNI. Crude protein values from 25.75% until 66.96% that was above SNI standard I (1.5%), II (2.5%), and III (3.0%) could be followed up into an economical business. Fermented activity from Probio_FM could degrade the protein and other components proximate such as ash content, crude protein, crude fat, crude fiber, calcium, Phosphor, and NaCl. The amino acids from protein were getting simpler and easier being absorbed by fish in culture or livestock farms. Probio_FM was assumed to degrade the protein value and other components proximate due to the utilization of nitrogen and ammonia derived from the process fish protein hydrolyzation of probiotic bacteria. The production of local feed should be implemented to reach feed security and very important to be developed into a community business. Proximate analysis of bycatch could support sustainable good aquaculture practices in the future.</i>
Notice	-
Original DOI	-
Indexing	
Keywords	Bangka Belitung; aquaculture; by-catch; fish diet; probiotics; proximate

Title Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices

Abstract *Bycatch small pelagic fish during the fishing season can be oversupplied so that its price goes down. The study aims to analyze the proximate of local fish powder from the by-catch and probiotics of Probio_FM in the fish feed in Bangka Belitung. The method was the data compared with the Indonesian National Standard, SNI 01-2715-1996/Rev: 92 about the raw material of animal feed as fish powder and fish feed with six different treatments. The study found that the bycatch or trash from small pelagic fish could be used as a fish powder or fish feed. The proximate analysis on fish powder and fish feed with probiotics Probio_FM included as the quality of SNI. Crude protein values from 25.75% until 66.96% that was above SNI standard I (1.5%), II (2.5%), and III (3.0%) could be followed up into an economical business. Fermented activity from Probio_FM could degrade the protein and other components proximate such as ash content, crude protein, crude fat, crude fiber, calcium, Phosphor, and NaCl. The amino acids from protein were getting simpler and easier being absorbed by fish in culture or livestock farms. Probio_FM was assumed to degrade the protein value and other components proximate due to the utilization of nitrogen and ammonia derived from the process fish protein hydrolyzation of probiotic bacteria. The production of local feed should be implemented to reach feed security and very important to be developed into a community business. Proximate analysis of bycatch could support sustainable good aquaculture practices in the future.*

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Indexing

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#43979 Review

Summary Review Editing

Submission

Authors	Sudirman Adibrata, Rufti Puji Astuti, Novyandra Ilham Bahtera, Rahmad Lingga, Fahmida Manin, Maulana Firdaus
Title	Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices
Section	Research Articles
Editor	Indonesian Journal of Marine Science

Peer Review

Round 1

Review Version	43979-136215-1-RV.docx 07-01-2022
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Submission

Authors Sudirman Adibrata, Rufti Puji Astuti, Novyandra Ilham Bahtera, Rahmad Lingga, Fahmida Manin, Maulana Firdaus
Title Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices
Section Research Articles
Editor Indonesian Journal of Marine Science

Peer Review

Round 1

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Reviewer C [43979-136765-1-RV.docx](#) 13-01-2022

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Submission

Authors	Sudirman Adibrata, Rufti Puji Astuti, Novyandra Ilham Bahtera, Rahmad Lingga, Fahmida Manin, Maulana Firdaus
Title	Proximate Analysis of Bycatch Fish and Probiotics Treatments towards the Good Aquaculture Practices
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