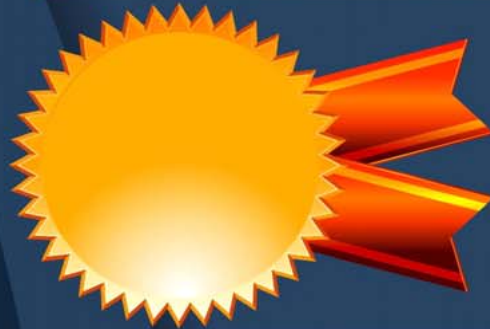


# SERTIFIKAT

Kementerian Riset dan Teknologi/  
Badan Riset dan Inovasi Nasional



Petikan dari Keputusan Menteri Riset dan Teknologi/  
Kepala Badan Riset dan Inovasi Nasional  
Nomor 85/M/KPT/2020

Peringkat Akreditasi Jurnal Ilmiah Periode 1 Tahun 2020  
Nama Jurnal Ilmiah

**Indonesian Fisheries Research Journal**

E-ISSN: 25026569

**Penerbit: Pusat Riset Perikanan**

Ditetapkan sebagai Jurnal Ilmiah

**TERAKREDITASI PERINGKAT 2**

Akreditasi Berlaku selama 5 (lima) Tahun, yaitu  
Volume 25 Nomor 2 Tahun 2019 sampai Volume 30 Nomor 1 Tahun 2024

Jakarta, 01 April 2020

Menteri Riset dan Teknologi/  
Kepala Badan Riset dan Inovasi Nasional  
Republik Indonesia,



**Bambang P. S. Brodjonegoro**

## INDONESIAN FISHERIES RESEARCH JOURNAL

### Instructions for Authors

#### SCOPE

Indonesian Fisheries Research Journal publishes research results on resources, oceanography and limnology for fisheries, fisheries biology, management, socio-economic and enhancement, resource utilization, aquaculture, post harvest, of marine, coastal and inland waters.

#### MANUSCRIPTS SUBMISSION

Manuscripts that meet the guidelines for Indonesian Fisheries Research Journal (in MS Word format, use the template of this article) must be submitted through one of the following ways:

- Delivery manuscript via e-mail of Indonesian Fisheries Research Journal Editorial ([ifrij.puslitbangkan@gmail.com](mailto:ifrij.puslitbangkan@gmail.com)).
- Delivery of manuscripts to Online Submission System in the E - Journal Portal of Indonesian Fisheries Research Journal (<http://ejournal.balitbang.kkp.go.id/index.php/ifrij>) after registering as a writer and/or Reviewers in the section "Register". Please Attachment Statement Letter Author.

#### MANUSCRIPTS PREPARATION

**ARTICLE TITLE:** The article title should be written briefly and clearly, and must pinpointing issues to be raised, does not allow its diverse interpretations, written entirely in capital letters symmetrically. Title of the article should not contain abbreviations that are not commonly used. The main ideas put forward in advance a new article is followed by other explanation.

**INTRODUCTION:** It should contain (in order) the general background, previous literature review (state of the art) as a basis for claiming a scientific novelty of the article, a statement of scientific novelty, and the research problem or hypothesis. At the end of the preliminary assessment purposes it should be written the article. In the scientific article format is not allowed their review of the literature as well as in the research report, but expressed in previous literature review (state of the art) to demonstrate the scientific novelty of the article.

**MATERIALS AND METHODS:** In Materials and Methods section it contains the main materials used in the study and the methods used in solving the problems, including methods of analysis. The materials are written here only in the form of the main materials only and must be equipped with the brand and its purity (eg: H<sub>2</sub>SO<sub>4</sub> (Merck, 99 %)). Equipment that is written in this section only contains major appliances equipped with the brand (eg: electric Furnace (Carbolite)). The components supporting equipment need not be written. The series should be the main tool in this section is equipped with a caption. Caption placed to be part of the title of the image (figure caption) is not a part of the image. The methods used in the completion of the research written in this section.

**RESULTS AND DISCUSSION:** Results and Discussion must be separated. This section contains the results of research findings and scientific discussion. Please write the scientific findings (scientific finding) obtained from the results of research that has been done, but must be supported by sufficient data. Scientific findings are referred to here are not the data of the research results. These scientific findings should be explained scientifically include: What kinds of the scientific findings are obtained? Why did it happen? Why is such a variable trend? All these questions must be explained scientifically and not merely descriptive, if necessary it must be supported by the phenomena of adequate scientific basis. Furthermore, it should be explained also in comparison with the results of other researchers about the same topic. The results of the research and findings must be able to answer the research hypotheses in the introduction.

**CONCLUSION:** Conclusions describe the response of hypotheses and/ or purposes of research or scientific findings obtained. Conclusion must not contain looping of results and discussion, but rather to a summary of the findings as expected in purpose or hypothesis. If necessary, at the end of the conclusion it can be also written things that will be associated with further ideas from the research.

**ACKNOWLEDGEMENTS:** Acknowledgements are mainly addressed to research funders or donors. Acknowledgements can also be delivered to the Parties that support the implementation of research.

**REFERENCES:** All references referred to in the text of the article must be listed at the References cited at least 25 titles. The references cited that comes from his own are a maximum of 5 articles. References should derived from primary sources (scientific journals and amounted to a minimum of 80 % of the total bibliography) published in last 10 (ten) years. Writing the references cited in Indonesian Fisheries Research Journal is in accordance with the format 6<sup>th</sup> Edition APA (American Psychological Association).

#### *References in the form of scientific journals:*

Zulkarnaen, F. & Husnah. (2015). Identification and classification of Lake Bottom Surface and Aquatic Vegetation in Laut Tawar Lake Aceh. *Ind. Fish Res. J.* 21(1), 1-8.

Sunarno, M. T. D., Wibowo, A. & Subagja. (2007). (In Indonesian). Identification of three backfeather fish group (*Chitala lopis*) in Tulang Bawang and Kapuas Rivers with biometric approach. *J. Lit. Perikan. Ind.* 13(3): 1-14.

#### *References in the form of books:*

Fridman, A. (2008). *Plasma Chemistry* (p. 978). Cambridge: Cambridge University Press.

#### *References in the form of Proceedings:*

Roeva, O. (2012). Real-World Applications of Genetic Algorithm. In *International Conference on Chemical and Material Engineering* (pp. 25-30). Semarang, Indonesia: Department of Chemical Engineering, Diponegoro University.

#### *References in the form of Dissertation/Thesis/These:*

Istadi, I. (2006). Development of A Hybrid Artificial Neural Network – Genetic Algorithm for Modelling and Optimization of Dielectric Barrier Discharge Plasma Reactor. *PhD Thesis*. Universiti Teknologi Malaysia.

#### *References in the form of Patent:*

Primack, H. S. (1983). Method of Stabilizing Polyvalent Metal Solutions. *US Patent No. 4,373,104*.

#### *References in the form of HandBooks:*

Hovmand, S. (1995). Fluidized Bed Drying. In Mujumdar, A.S. (Ed.) *Handbook of Industrial Drying* (pp.195-248). 2nd Ed. New York: Marcel Dekker.

#### ARTICLE PROCESSING FEES

Every article that is sent to the editorial office of Indonesian Fisheries Research Journal is free of charge (free - no page charge) as well as free for articles processing. The publication costs are borne by this journal publishers.

## **SEND INSTRUCTIONS FOR WRITING AND PUBLISHING ARTICLES OF INDONESIAN FISHERIES RESEARCH JOURNAL 2016 (12pt Bold)**

**Ngurah N. Wiadnyana<sup>1\*</sup>, Hari Eko Irianto<sup>1</sup>, Husnah<sup>1</sup>, Gadis Sri Haryani<sup>2</sup>, M.F. Rahardjo<sup>3</sup> and Sugeng Hari Wisudo<sup>3</sup> (12pt Bold)**

<sup>1</sup>Research Center for Fisheries, Gedung Balitbang KP II, Jln. Pasir Putih II, Ancol Timur Jakarta Utara, 14430, Indonesia

<sup>2</sup>Research Center for Biology-LIPI (10pt Normal Italic), Jln. Pasir Putih II, Ancol Timur Jakarta Utara, 14430, Indonesia

<sup>4</sup>Institute Pertanian Bogor, Dramaga, Jl. Raya Dramaga, Babakan, Dramaga, Babakan, Dramaga, Bogor, Jawa Barat-16680, Indonesia

### **ABSTRACT (12pt Bold)**

*This is a new author guidelines and article template of Indonesian Fisheries Research Journal since year 2016 publication. Article should be started by Title of Article followed by Authors Name and Affiliation Address and abstract. This abstract section should be typed in Italic font and font size of 10 pt and number of words of 150-250. Special for the abstract section, please use left margin of 3 cm, right margin of 2.5 cm, right margin of 2.5 cm and bottom margin of 2.5 cm. The single spacing should be used between lines in this article. If article is written in Indonesian, the abstract should be typed in Indonesian and English. Meanwhile, if article is written in English, the abstract should be typed in English only. The abstract should be typed as concise as possible and should be composed of: problem statement, method, scientific finding results, and short conclusion. The abstract should only be typed in one paragraph and one-column format.*

**Keywords:** *Author guidelines; Indonesian fisheries; research journal; article template*

### **1. Introduction**

Indonesian Fisheries Research Journal has a p-ISSN 0853-8980; e-ISSN 2502-6569 with Accreditation Number: 704/AU3/P2MI-LIPI/10/2015 (period October 2015 - October 2018). First edition was published in 1994 with a single number. Since 2005, the publishing frequency is twice a year, in June and December (<http://ejournal-balitbang.kkp.go.id/index.php/ifrj>). The peer-reviewed Journal Indonesian Fisheries Research accepts manuscripts or articles in the field of fish resources, oceanography and Limnology for fisheries, fisheries biology and management, socio-economic and enhancement, resource utilization, aquaculture, post-harvest of marine, coastal and inland waters.

Manuscripts are submitted in Indonesian Fisheries Research Journal will be checked in term of writing guideline. When it is appropriate the manuscript will be reviewed by two Evaluators designated by the Chairman of the Editorial Board. Manuscript received will be examined for the plagiarism element using Google Scholar network. This journal only accept articles that come from the results of original research (top priority), and articles reviewing recent scientific natures (non-priority) (Bekkeret *al.*, 1999; Bezuidenhout *et al.*, 2009). Decision for admissibility or non admissibility of the manuscript published in this journal is the rights of the Chairman of the Editorial Board based on the recommendations of the evaluators (Bhaktavatsalam & Choudhury, 1995).

### **2. Writing Title, Name and Author Address**

The title of manuscript, author name (without academic degrees), and the affiliations address of author (s) are written centered on the first page under the title of the manuscript. The distance between the line between the title and the author's name is two spaces, while

the distance between the address of author affiliations and the abstract is one space. Keywords should be written below the text of the abstract for each language, arranged in alphabetical order and separated by a semicolon with the number of 3-5 words.

Responsible author or Corresponding Author should be marked with an asterisk followed by a comma "1)" in the above example. At the bottom of the left column of the first page/abstract should be written sign the Responsible author or Corresponding Author and well written the email address (see example). Communication on the revision of the manuscript and the final decision will only be communicated via email the Author Contact.

If the authors of more than one, please write down the names of the authors with separated by a comma (.). If the author's name consists of two words, said first author (first name) should not be abbreviated. If the author's name consists of only one word, write the actual name in one word, however, in the online version (HTML) will be written in two words that contain the same name (repeatedly) for the purposes of indexing the metadata (Camdali&Tunc , 2006; Fridman , 2008).

### **3. General Instruction to Writing Manuscript**

Manuscripts that meet the guidelines for Indonesian Fisheries Research Journal (in MS Word format, use the template of this article) must be submitted through one of the following ways:

- a. Delivery manuscript via e-mail of Indonesian Fisheries Research Journal Editorial (ifrj.puslitbangkan@gmail.com).
- b. Delivery of manuscripts to Online Submission System in the E - Journal Portal of Indonesian Fisheries Research Journal (<http://ejournal-balitbang.kkp.go.id/index.php/ifrj>) after registering as a writer and/or Reviewers in the section "Register".

Article writing instructions and templates can be downloaded at the following address:

#### **Templates and Guidelines Article Writing in MS Word (.doc):**

<http://ejournal-balitbang.kkp.go.id/index.php/ifrj/about/submissions#authorGuidelines>

#### **Article Writing Templates and Guidelines in PDF (.pdf):**

<http://ejournal-balitbang.kkp.go.id/index.php/ifrj/about/submissions#authorGuidelines>

The instruction to submit a manuscript by online can be found on the Submit Online Instructions below. Manuscripts that are not according to the instructions to writing of Indonesian Fisheries Research Journal will be returned to the author prior to continue the review process.

Manuscripts written must contain components of scientific articles follows (subtitles in order), namely: (a) Article Title, (b) Name of the author (without An academic title), (c) Address of Affiliates Author, (d) Abstract and Keywords, (e) Introduction, (f) Materials

and Methods, (g) Results and Discussion, (h) Conclusion, (i) Acknowledgements, and (j) References.

Writing subtitles on the contents of the article (Introduction, Materials and Methods, Results and Discussion, Conclusion) are in bold with the Title Case and structured format left without a bottom line price. Sub headings in bold format Sentence case and compiled left flat.

Manuscripts are written in English, in double-spaced typing, with the maximum number of pages to 15 pages, including figures and tables. Articles should be written in a text field size A4 (210 x 297 mm) and with a format 3 cm left margin, right margin 2.5 cm, 2.5 cm top margin and bottom margin of 2.5 cm. The manuscript must be written with the font Times New Roman 12pt font size (unless the article title, author name and title abstract), within two spaces, and in the format of the column. Scientific names are written in italics (Italic). New paragraph starting at 1 cm from the left border, while the missing spaces between paragraphs between. All numbers are written in Arabic numerals, except at the beginning of the sentence. Writing unit is using the International System of Units (SI). Examples of unit symbols abbreviations are: gram (g), liters (L), cubic meters (m<sup>3</sup>) per cubic meter (m<sup>-3</sup>).

Tables and Figures are placed in the group after the text of the referenced tables or figures. Each image must be given the title of the image (Figure Caption) on the bottom of the image and numbered in Arabic numerals followed by the title picture. Each table should be given a titled table (Table Caption) and numbered in Arabic numerals on the top of the table followed by the title of the table. The pictures should be printed clearly warranted (font size, resolution and size of the line to be sure printed clearly). Figures and tables and diagrams/schematics should be placed among the groups corresponding column of text, or if too much is placed in the middle of the page. Tables should not contain vertical lines, while the horizontal lines are allowed but only the essentials only.

#### **4. Special Instructions Content Writing Script Manuscript**

**ARTICLE TITLE:** The article title should be written briefly and clearly, and must pinpointing issues to be raised, does not allow its diverse interpretations, written entirely in capital letters symmetrically. Title of the article should not contain abbreviations that are not commonly used. The main ideas put forward in advance a new article is followed by other explanation.

**INTRODUCTION:** It should contain (in order) the general background, previous literature review (state of the art) as a basis for claiming a scientific novelty of the article, a statement of scientific novelty, and the research problem or hypothesis. At the end of the preliminary assessment purposes it should be written the article. In the scientific article format is not allowed their review of the literature as well as in the research report, but expressed in previous literature review (state of the art) to demonstrate the scientific novelty of the article.

**MATERIALS AND METHODS:** In Materials and Methods section it contains the main materials used in the study and the methods used in solving the problems, including methods of analysis. The materials are written here only in the form of the main materials only and must be equipped with the brand and its purity (eg: H<sub>2</sub>SO<sub>4</sub> (Merck, 99 % )). Equipment that is written in this section only contains major appliances equipped with the brand (eg: electric Furnace (Carbolite)). The components supporting equipment need not be written. The series should be the main tool in this section is equipped with a caption. Caption placed to be part of the title of the image (figure caption) is not a part of the image. The methods used in the completion of the research written in this section.

**RESULTS AND DISCUSSION:** Results and Discussion must be separated. This section contains the results of research findings and scientific discussion. Please write the scientific findings (scientific finding) obtained from the results of research that has been done, but must be supported by sufficient data. Scientific findings are referred to here are not the data of the research results. These scientific findings should be explained scientifically include: What kinds of the scientific findings are obtained? Why did it happen? Why is such a variable trend? All these questions must be explained scientifically and not merely descriptive, if necessary it must be supported by the phenomena of adequate scientific basis. Furthermore, it should be explained also in comparison with the results of other researchers about the same topic. The results of the research and findings must be able to answer the research hypotheses in the introduction.

*Figure 1.*

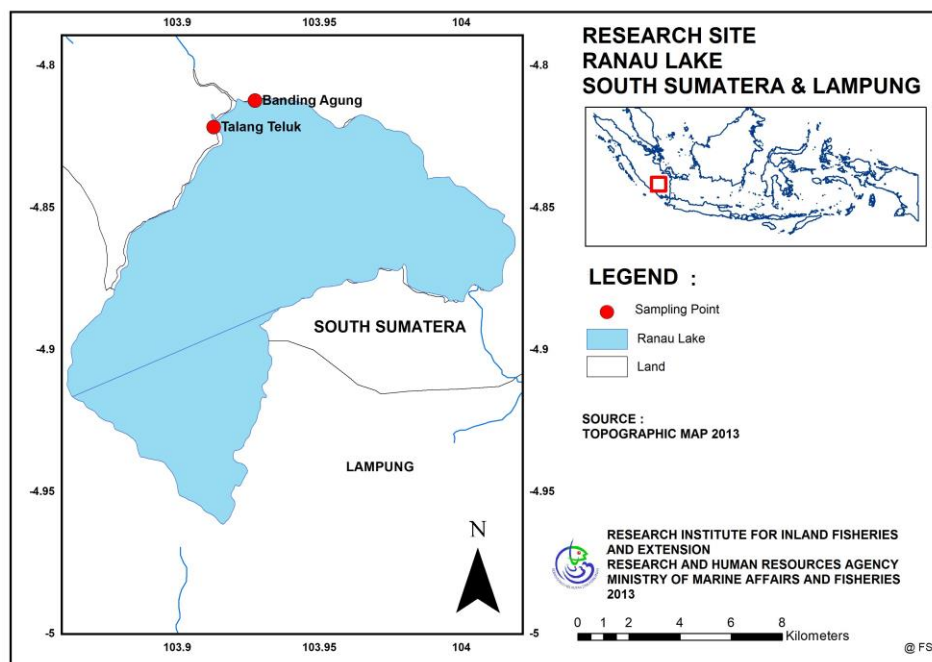


Figure 1. Map of research site.

**Table**

Table 1. The average of length and weight per month for fourfinger threadfin (*E. tetradactylum*) in Tarakan waters, 2016

No	Period of sampling	n	Length (cmFL)				Weight (g)			
			Max	Min	x	std	Max	Min	x	std
1	Jan	104	68	21	42.3	10.9	4640	104	1586.9	1260.8
2	Feb	120	56	20	35.5	8.3	2680	137	804.7	539.4
3	Mar	130	58	24	35.7	7.2	2721	210	792.1	494.9
4	Apr	200	60	22	43.1	8.6	3609	161	1479.2	736.8
5	May	200	65	20	43.4	10.0	4625	178	1407.3	1033.3
6	Jun	269	60	13	32.1	7.4	3148	97	601.8	416.1
7	Jul	200	43	23	32.9	5.0	1320	138	585.5	264.1
8	Aug	227	62	23	37.7	6.1	3450	212	828.9	492.1
9	Sep	200	48	25	37.7	4.5	1368	234	789.2	283.2
10	Oct	262	57	27	38.9	5.6	3668	281	901.1	469.4
11	Nov	52	59	19	38.6	9.2	2850	90	958.1	638.7

Remarks: n=number of sample; x=average; std= standard deviation

**CONCLUSION:** Conclusions describe the response of hypotheses and/ or purposes of research or scientific findings obtained. Conclusions not contain looping of results and discussion, but rather to a summary of the findings as expected in purpose or hypothesis. If necessary, at the end of the conclusion it can be also written things that will be associated with further ideas from the research.

**ACKNOWLEDGEMENTS:** Acknowledgements are mainly addressed to research funders or donors. Acknowledgements can also be delivered to the Parties that support the implementation of research.

**REFERENCES:** All references referred to in the text of the article must be listed at the References cited at least 25 titles. The references cited that comes from his own are a maximum of 5 articles. References should derived from primary sources (scientific journals and amounted to a minimum of 80 % of the total bibliography) published in last 10 (ten) years.

## 5. Equations Writing Guidance

Each equation is written centered with numbered columns written in parentheses and placed at the end of the right margin. Equations should be written using Equation Editor in MS Word or Open Office (Primack , 1983).

## 6. Writing Citations /References In Text Articles

Each data retrieval or quoted from other references, the author must write the reference source. References or citations are written in the description/text by the author's name and the year (Irwan& Salim, 1998). If the author of more than two, then just write the name of the first author followed by "et al." (Bezuidenhout *et al.*, 2009; Roeva, 2012). All referenced in the text must be listed in the References section, and vice versa, all that is written in the References should be cited in the text (Wang *et al.*, 2011).

## 7. Writing Reference Cited

Writing the references cited in Indonesian Fisheries Research Journal is in accordance with the format 6<sup>th</sup> Edition APA (American Psychological Association).

### *References in the form of scientific journals:*

Zulkarnaen, F. & Husnah. (2015). Identification and classification of Lake Bottom Surface and Aquatic Vegetation in Laut Tawar Lake, Aceh. *Ind. Fish Res. J.* 21(1), 1-8.

Sunarno, M. T. D., Wibowo, A. & Subagja. (2007). (In Indonesian). Identification of three backfeather fish group (*Chitala lopis*) in Tulang Bawang and Kapuas Rivers with biometric approach. *J. Lit. Perikan. Ind.* 13(3): 1-14.

### *References in the form of books:*

Fridman, A. (2008). *Plasma Chemistry* (p. 978). Cambridge: Cambridge University Press.

### *References in the form of Proceedings:*

Roeva, O. (2012). Real-World Applications of Genetic Algorithm. In *International Conference on Chemical and Material Engineering* (pp. 25–30). Semarang, Indonesia: Department of Chemical Engineering, Diponegoro University.

### *References in the form of Dissertation/Thesis/These:*

Istadi, I. (2006). Development of A Hybrid Artificial Neural Network – Genetic Algorithm for Modelling and Optimization of Dielectric-Barrier Discharge Plasma Reactor. *PhD Thesis*. Universiti Teknologi Malaysia.

### *References in the form of Patent:*

Primack, H. S. (1983). Method of Stabilizing Polyvalent Metal Solutions. *US Patent No.* 4,373,104.

### *References in the form of HandBooks:*

Hovmand, S. (1995). Fluidized Bed Drying. In Mujumdar, A.S. (Ed.) *Handbook of Industrial Drying* (pp.195-248). 2nd Ed. New York: Marcel Dekker.

## 8. Instruction to Submit Manuscripts Online

Manuscripts should be submitted through one of the following ways:

1. Delivering of the manuscript is preferably with Online Submission System in the E-Journal Portal Indonesian Fisheries Research Journal (<http://ejournal-balitbang.kkp.go.id/index.php/ifrj>).
2. The first author is listed as author and /or Reviewers (checking role as Author and/or Reviewer) on the "Register" or address: <http://ejournal-balitbang.kkp.go.id/index.php/ifrj/user/register>.



3. Once logged in as an Author, click on "New Submission". Stages submit an article consists of five stages, namely: (1) Start, (2) Upload Submission, (3) Enter Metadata, (4) Upload Supplementary Files, (5) and Confirmation.
4. Under Start, select the Journal Section (Full Article), check all of the checklist.
5. In the Upload Submission, please upload a manuscript file in MS Word articles in this section.
6. In the Enter Metadata, enter data all Authors and their affiliation, followed by the title and abstract, and indexing keywords.
7. In the Upload Supplementary Files, allowed to upload a file data to support or cover letter or other document.
8. In the Confirmation, please click "Finish Submission" if all the information is correct.
9. If the Author has difficulties in the process of submission via online system, the manuscripts can also be sent via e-mail to e-mail Editorial Indonesian Fisheries Research Journal (iftrj.puslitbangkan@gmail.com), however this method is not recommended.
10. Statement letter can be downloaded **here**.

## **9. Conclusion**

Every article that is sent to the editorial office of Indonesian Fisheries Research Journal should follow the instructions of this writing. If the article is not in accordance with this guideline, the manuscript will be sent back to the author before processed further.

## **10. Acknowledgements**

Thanks delivered to the Center for Fisheries Research and Development, which has funded the sustainability of this journal.

## **11. References Cited**

Bekker, J. G., Craig, I. K. & Pistorius, P. C. (1999). Modeling and Simulation of Arc Furnace Process. *ISIJ International*, 39(1), 23–32.

Bezuidenhout, J. J., Eksteen, J. J. & Bradshaw, S. M. (2009). Computational fluid dynamic modelling of an electric furnace used in the smelting of PGM containing concentrates. *Minerals Engineering*, 22(11), 995–1006.

Bhaktavatsalam, A. K. & Choudhury, R. (1995). Specific Energy Consumption in The Steel Industry. *Energy*, 20(12), 1247–1250.

Camdali, U. & Tunc, M. (2006). Steady State Heat Transfer of Ladle Furnace During Steel Production Process. *Journal of Iron and Steel Research, International*, 13(3), 18–20.

Fridman, A. (2008). *Plasma Chemistry* (p. 978). Cambridge: Cambridge University Press.

Hovmand, S. (1995). Fluidized Bed Drying. In Mujumdar, A.S. (Ed.) *Handbook of Industrial Drying* (pp.195-248). 2nd Ed. New York: Marcel Dekker.

Istadi, I. (2006). Development of A Hybrid Artificial Neural Network – Genetic Algorithm for Modelling and Optimization of Dielectric-Barrier Discharge Plasma Reactor. *PhD Thesis*. Universiti Teknologi Malaysia.

Primack, H. S. (1983). Method of Stabilizing Polyvalent Metal Solutions. *US Patent No. 4,373,104*.

Roeva, O. (2012). Real-World Applications of Genetic Algorithm. In *International Conference on Chemical and Material Engineering* (pp. 25–30). Semarang, Indonesia: Department of Chemical Engineering, Diponegoro University.

Wang, Z., Wang, N. H. & Li, T. (2011). Computational analysis of a twin-electrode DC submerged arc furnace for MgO crystal production. *Journal of Materials Processing Technology*, 211(3), 388–395.

## **12. Article Processing Fees**

Every article that is sent to the editorial office of Indonesian Fisheries Research Journal is free of charge (free - no page charge) as well as free for articles processing. The publication costs are borne by this journal publishers.

**INDONESIAN FISHERIES RESEARCH JOURNAL**  
**Volume 28 Nomor 1 June 2022**

	Page
PEER-REVIEWER.....	i
ACKNOWLEDGEMENTS.....	ii
PREFACE .....	iii
CONTENTS .....	iv
ABSTRACT.....	v-vi
Relationship Between The Existence Of Tuna To Upper And Lower Thermocline AT FADs In Pelabuhanratu Waters, West Java By: Asep Ma'mun, Erfind Nurdin, Asep Priatna and Mahiswara .....	1-13
CPUE, Biological and Condition Factor of KAWAKAWA ( <i>Euthynnus affinis</i> ) Caught by Purse Seine in West Sumatra By: Maya Agustina and Ririk Kartika Silistyaningsih .....	15-22
Stock Status, Biological Reference Point and Management Implications of Painted Spiny Lobster ( <i>Panulirus versicolor</i> Latreille, 1804) in West Papua Waters By: Tirtadanu, Helman Nur Yusuf and Chang Ik Zhang .....	23-31
Some Fish Species Showing Commensalism Traits With Long-Spined Sea Urchin ( <i>Diadema setosum</i> Leske, 1778) in Gulf Of Antalya By: Ferhat Cagiltay, Mehmet Gokoglu, Ramazan Yilmaz and Alper Yildiz .....	33-39
A Marine Protected Area Design to Protect the Blue Swimming Crab Population in Salemo Island, Spermonde Archipelago By: Muh. Saleh Nurdin, Fauziah Azmi and Teuku Fadlon Haser .....	41-51
CERTIFICATE.....	App. 52
AUTHOR GUIDELINES.....	App. 53



Building Balitbang KP II  
Jl. Pasir Putih II Ancol Timur Jakarta Utara 14430  
Telp. (021) 64700928, Fax. (021) 64700929  
Website : <http://ejournal-balitbang.kkp.go.id/index.php/ifrj/>  
Email : [ifrj.puslitbangkan@gmail.com](mailto:ifrj.puslitbangkan@gmail.com).

