INTERNATIONAL JOURNAL OF REMOTE SENSING AND EARTH SCIENCES

Instruction for Authors

Scope

International Journal of Remote Sensing and Earth Sciences (IJReSES) publishes research results and in-depth review on remote sensing and earth sciences, not only in Indonesia and Asian countries, but also worldwide. The contents of this journal are particular interest to remote sensing as the main data for geosciences, oceanography, marine biology, fisheries, meteorology, etc.

Manuscript Submission

Manuscripts submission to the IJReSES must be original with a clear definition of the objective(s), material used (data), methods applied, results, and should not have been published or offered for publication or submitted elsewhere. The manuscript should be written in English, using single line spacing on single-sided A4 size paper with 2.5 cm left and right margins, 2.5 cm upper and lower margins . The author(s) is (are) also required to submit original version of figures embedded in the paper along with their captions. All figures should be in tiff or jpeg format with high resolution (300 or 600 dpi). Submit your paper in Word to IJReSES secretariat via email: publikasi@lapan.go.id and pukasi.lapan@gmail.com.

Manuscript Preparation

- Title should be concise and informative and not exceeding 15 words.
- The author name(s) and affiliation(s) should be written in the footnotes at the bottom of the title page.
- Abstract should contain a summary of the paper including brief introduction, the objective(s), method, and principal conclusions. Abstract should not exceed 250 words. Keywords are between 3 to 5 words and must be relevant to the subject. Do not use any sub-headings.
- Materials and methods used should clearly and concisely describe the experiment with sufficient details for independent repetition.
- Results should be presented with optimum clarity and without unnecessary detail. Results should also be presented in figures or tables but not duplicated in both format. Tables should be typed with same font size as the text and given consecutive Arabic number.
- Discussion should explain the significant findings and other important aspects of the research. Do not repeat material and methodology.
- Citation should be written in the text by the author's last name and year in one or two forms: Field *et al*. (1996) or (Field *et al*., 1996). For references with more than two authors, list the first author plus *et al*.
- Conclusion should be concise and answer the objective(s).
- Acknowledgment, if any, should be kept at minimum (less than 40 words)
- References should be in alphabetical order. It should be written as follows:
  Field, C.B., M.J. Behrenfeld, J.T. Randerson, and P. Falkowski, 1998, Primary production of the biosphere: integrating terrestrial and oceanic components. *Science*, 281(5374):237-240.
- Acronym or uncommon abbreviations must be given in full at the first text mentioned. New abbreviation should be coined only for unwieldy names and should not be used at all unless the names occur frequently.
- Latin name and family of the species should be given besides its common name at the first mention in the manuscript , and the common name only for subsequent mentions.
- International Standard unit system (kg, m, s, etc) should be used for all manuscripts.

AUTHOR INDEX

A
Anang D. Purwanto 85[12,2]
Andy Indradjad 135[12,2]
Anneke K. S. Manoppo 27 [12,1]
Arlina Ratnasari 27 [12,1]
Atriyon Julzarika 107[12,2]

B
Bambang Trisakti 71[12,1],117[12,2]
Bidawi Hasyim 27 [12,1]

D
Dede Dirgahayu Domiri 143[12,2]
Dimas Wiratmoko 21[12,1]
Doddy M. Yuwono 85[12,2]

E
Eko Kusratmoko 97[12,2]
Emiyati 27[12,1],97[12,2]
Erna Sri Adiningsih 135[12,2]

G
Gathot Winarso 85[12,2]

H
Hidayat 49[12,1]

I
I Made Parsa 117[12,2]
Indah Prasasti 27 [12,1]
Ingit Lolitasari 151[12,2]
Ita Carolita 21[12,1]

J
J. Sitorus 21[12,1]
Jalu Tejo Nugroho 49[12,1]
Johannes Manalu 13,21[12,1]
Joko Santo Cahyono 71[12,1]
Jonson Lumban-Gaol 63[12,1]

K
Kuncoro T. Setiawan 13[12,1]
Kustiyo 151[12,2]

M
M. Rokhis Khomarudin 49[12,1]
Muchlisin Arief 1[12,1]

N
Nana Suwargana 71[12,1],117[12,2]
Nanin Anggraini 85[12,2]
Ninong Komala 125[12,2]
Noriandini Dewi Salyasari 135[12,2]
Novita Ambarsari 125[12,2]
Nurwita Mustika Sari 27 [12,1]

P
Parwati 49[12,1]

R
Ratih Dewanti 151[12,2]
Rayhan Nuris 63[12,1]

S
Sobirin 97[12,2]
Soni Darmawan 85[12,2]
Suwarsono 27,49[12,1]
syarif Budhiman 13,27[12,1]

T
Teguh Prayogo 63[12,1]

U
Udhi C. Nugroho 143[12,2]

W
Wiweka 49[12,1]

Y
Yenni Vetrita 85[12,2]
Yennie Marini 13[12,1]

KEYWORDS INDEX

A

Aerosol optical thickness 135,142[12,2]
Affected area 49,50,51,52,53,54,56, 58,59,60,61[12,1]
ALOS PALSAR 44[12,1],85,88,90,93, 94,107,108,110,113, 114,115[12,2]
Aqua MODIS 51,63,64,65,66,67,68, 69[12,1],135,137,138, 139,140,141[12,2]
Atmospheric correction 9,13,14,15,16,17,18, 19,34,37,67,71, 73[12,1],117, 119[12,2]

B

Bathymetry 13,14,16,18,19[12,1]
Biomass 23[12,1],85,86,88,89, 90,91,92,93,94,95, 146[12,2]
Brightness temperature 143,144,145,146,148, 151,152,153,154,155, 156,157,158[12,2]
BrO 125,126,127,128,129, 130,131,132,133, 134[12,2]

C

Chlorophyll-a 2,63,64,65,66,67,68, 69,79[12,1],118[12,2]
ClO 125,126,127,128,130, 131,132,133,134[12,2]
Cloud masking 135,138,140,141[12,2]
Correlation 1,2,3,4,5,6,8,9,10,13, 18,19,22,29,42, 75[12,1],85,86,88,90, 91,92,93,105,120,121, 122,125,128,132,133, 136,138,141,143,145, 146,148,155,158[12,2]

D

Detection 1,21,22,28,34,37,50, 51,52,55,59,62[12,1], 99,105,107,110,111, 114,151,158,160[12,2]
Dissolved Oxygen 1,2,3,4,6,9,10, 11[12,1],118[12,2]

G

Geothermal 61,62[12,1],143,144, 145,148,149[12,2]
Growth Profile 21,23,25[12,1]
Grupuk Bay 41,43,44,46,47, 48[12,1]

H

Height model 89,107,108,109,110, 111,112,113,114[12,2]
Hotspots 135,151[12,2]
HRU 97,98,100,101,102, 103,104,105,106[12,2]

I

Infrared thermal imaging 41[12,1]
Integration 5[12,1],107,108,109,1 10,111,113,114, 115[12,2]

J

Jakarta 11,27,29,30,31,32, 33,34,35,36,37,38, 48,64[12,1],106, 150[12,2]

L

Lake ecosystem 71,72,73,78,79, 80[12,1],117, 118[12,2]
Lake water 10,11,53,61[12,1], 117,122,124[12,2]
Lake water surface area 71,72,73,74,75,76, 77[12,1]
land surface temperature 25,28,31,34,35, 51[12,1],143,145, 146,147,148, 149[12,2]
Land use/cover 27,29,30,31,33, 37[12,1]
Landcover 54,58[12,1],97,98, 99,101,102,104,105,10 6[12,2]
Landsat 1,2,4,5,6,8,9,10,11, 12,13,14,15,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,32,33,34,35,36, 37,38,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52,53,54, 55,58,59,61,62,70, 71,72,,73,74,75,76, 80,81[12,1],85,86, 88,91,93,94,98,99, 102,117,118,119, 121,122,123,124, 143,144,145,146, 147,148,149,151, 152,53,54,157,158, 159,160[12,2]
Landsat 8 Imagery 13,18[12,1], 143,146,147[12,2]
Landsat Ci Rasea 97[12,2]
Landsat-7 4,5,27,29,50[12,1], 88,153[12,2]
Landsat-8 12,13,14,16,17,18, 19,25,27,28,29,30, 32,37,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52,53,54, 55,58,59,61[12,1], 85,87,88,92,93,94, 117,118,119,122, 123,143,144,145, 146,147,148,149, 151,152,153,154,

157,158,159,160[12,2]

M

Mangrove 85,86,87,88,89,92,93, 94,95[12,2]

MLS-AURA 125,127,128[12,2]

MODIS 19,26,34,35,44,45,46, 47,48,49,50,51,52,53, 54[12,1],135,136,137, 138,139,140,141,142, 143,144,145,146,148, 149,151,152,153, 159[12,2]

Mount Sinabung 49,50,59,61,62[12,2]

N

NDBI 27,29,30,31,32,33, 37[12,1]

NDVI 21,23,25,29,30,31,32, 33,37,49,58,59, 60[12,1],149,152, 159[12,2]

NPP VIIRS EDR 135[12,2]

O

Ozone 125,126,127,128,129, 130,131,132,133,134, 138[12,2]

P

Palm oil plantation age 21[12,1]

R

Reflectance 1,2,4,5,6,7,8,12,14,15, 16,19,24,25,33,49,52, 53,54,55,56,57,58,59, 61,62,65,73,80[12,1], 89,95,119,137,142, 146[12,2]

Remote Sensing 1,2,4,5,6, 10,11,12,13,14,19,20, 21,26,27,28,29,30,31, 35,37,38,39,42,43, 48,61,62,63,64,65,66, 70,71,72,73,80, 81[12,1],85,86,87,88, 94,95,96,99,114,115, 117,118,123,124,136,1 42,143,144,149,151,15 3,158,159,160[12,2]

Ringgung 1,5,7,8,10[12,1]

S

SAR data 11[12,1],86,88,90,93, 94,110,113,114[12,2]

Scale 1:10.000 107[12,2]

SDT 117,120,122[12,2]

Source of smoke 151,155,157[12,2]

South Java Sea waters 63,64,65,66,68[12,1]

SPOT6 21,24,25[12,1]

Sun glint 135,137,138[12,2]

Surface water temperature 41[12,1]

SWAT 97,98,99,100,104,105, 106[12,2]

T

TIRS 50,51,52[12,1],144, 149,151,153,154, 156[12,2]

Tropic state 117,118[12,2]

TSS 57,71,75[12,1],117, 119,120,121,122, 123[12,2]

U

Ungaran 143,145,147,149[12,2]

Urban Heat Island 27,28,34,37,38, 39[12,1]

V

VIIRS-NPP 63,64,66,67,69[12,1]

W

Water clarity 2,53,54,55,56,57,60, 61,71,72,73,75,79, 80[12,1],117,118,119, 120,121,122,123, 124[12,2]

Watershed 97,98,99,100,101,102, 103,104,105,106, 112[12,2]

(Guidelines for IJReSES Writing)
TITLE OF PAPERS WRITTEN BRIEF AND CLEAR IN BOLD CAPITAL LETTERS, (Case Study: if any)
(16 pt, Britannic Bold)

Title in English
(16 pt, Britannic Bold)

First Author[1], Second Author[2], etc.[n] ⟵ (Author's Name without Title)
(10.5 pt, Franklin Gothic Medium, bold)

[1]First Author Institution
[2]Second Author Institution
etc. [n]....
(10.5 pt, Franklin Gothic Medium)

e-mail: e-mail of first author ⟵ (Black)
(10.5 pt, Franklin Gothic Medium)

Received: ..... (date month year); Approved: ..... (date month year); Published: ..... (date month year)
(9 pt, Franklin Gothic Medium)

ABSTRACT. Abstract is a summary of the most important elements of the paper, written in one paragraph in the one column of a maximum of 200 words. Abstract made in English language with the Bookman Old Style 9 pt. The title "ABSTRACT" made with uppercase letters, and bold.

Keywords: *guidence, author, journal* ⟵ *(minimum 3 keywords)*
(10.5 pt, Bookman Old Style, italic)

1. INTRODUCTION
(10.5 pt, Bookman Old Style, bold)

The text is written in English. Text is typed in Microsoft Word with one column for abstracts and two columns for the content. The paper size is A4 with a height of 29.7 cm, width of 21 cm with dimensions of Top 3 cm, Bottom 2.5 cm, Inside 2.5 cm, Outside 2 cm, Gutter 1 cm, Header 1 cm and Footer 1 cm. The font is Bookman Old Style 10.5 pt, and line spacing 1. The length of the text does not exceed 10 pages, including tables and figures.

The framework of the journal arranged in the order: Title, Author Identity, Abstract, Keywords, Introduction, Materials and Methodology, Results and Discussion, Conclusions, Acknowledgements, and References.

2. MATERIALS AND METHODOLOGY
(10.5 pt, Bookman Old Style, bold)

Elaborating the method used in the study, including the data, equipment, theory, flow charts, as well as the location of the study.

2.1. Location and Data
(10.5 pt, Bookman Old Style, bold)

2.2. Standardization of data
(10.5 pt, Bookman Old Style, bold)

2.3. Methods
(10.5 pt, Bookman Old Style, bold)

Mathematical equation or the formula is given a sequential number which is placed at the right end in parentheses. If the writing of equation is more than one line, the numbers should

be on last line. The use of letters as mathematical symbols in the text should be written in *Italic* such as *x.* Explanation of the equation is reviewed in the text. Mathematical equation or formula does not need to be written in detail but the most important part, the methods used and the results.

$$N = \sum B_i \times S_i \quad \text{.....(1)} \frac{dt}{dx}$$

N = total weight of the value, *Bi* = weight on each criteria, *Si* = score on each criteria.

3. RESULTS AND DISCUSSION

(10.5 pt, Bookman Old Style, bold)

The table is made concise and given a short-clear title only presents the essential data and easy to understand. The table is annotated sufficiently, including the source, so as the table is able to explain the information presented independently. Each table is numbered sequentially and reviewed in the text. Table title is typed with Bookman Old Style 10.5 pt font and the words "Table 1.", "Table 2", and so on is typed in bold.

Table whose size exceeds one column, then the area can occupy two columns. The table should not be in the form of a picture, it should be in the form of a table. The table title is written on the top of the table, centered and given a period (.) at the end of the table title.

Images, graphics, and photos should be sharp and clear in order to get a good prints quality. All symbols within it should be explained. As same as the table, captions on images, graphic, or photos should be suffice in order to be presented independently. Picture, graphic, and photo should be featured in the script. As same as the table, the image, graphics, and photos are exceeding one column, then the area can occupy two columns. Pictures, graphics and photos have a depth of at least 300 dpi.

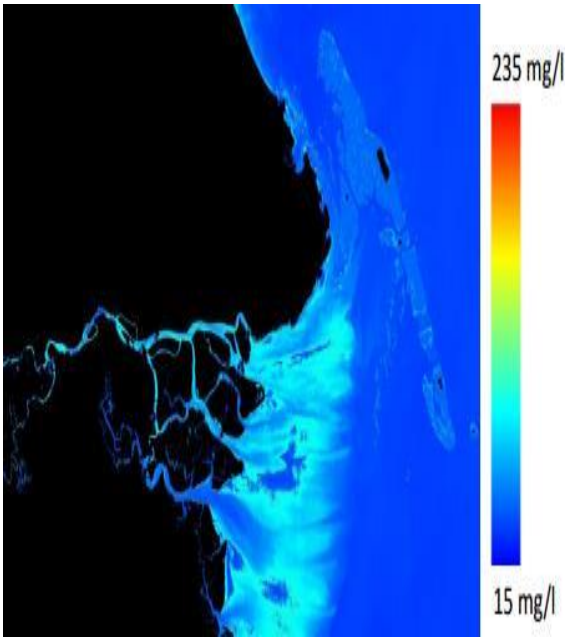

Figure 3-1: TSS distribution for 2002 in Berau Delta waters.
(9pt, Bookman Old Style)

Tabel 3-1: List of 22 classes of TSS concentration by slicing method.
(9pt, Bookman Old Style)

Class Number	TSS concentration (mg/l)
1	0-10
2	10-15
3	15-20
4	20-25
5	25-30
6	30-35
7	35-40
8	40-45
9	45-50
10	50-55
11	55-60

4. CONCLUSION

The important matters in the papers which is the conclusion of research or study.

ACKNOWLEDGEMENTS

Mandatory written by the author, addressed to those who helped author in providing data, processing the data, as well as the Journal Editorial Team and Reviewer.

REFERENCES

Reference should be from clear and reliable sources. Any reference listed in the References should be cited (quoted) on the script and also any citations should be listed in the References. Writing a reference in discussion should use the "author-year system" which refers to the works in the References. Citation from book in the form of adaptations for one to two authors is written the author's last name and the year book was published. Example: Muhammad Nasir is written as (Nasir, 2009).

The primary reference is more than 80%, and published in the last 5-10 years. References listed in the text should follow the modified Springer basic (Author-date) style. Examples of the writing in the References are as follows:

Article in Journal (Primary Journal)

Smith J., Jones M Jr, Houghton L., et al, (1999), Future of health insurance. N Engl J Med 965:325–329

Journal article with DOI (and with page numbers)

Slifka MK, Whitton JL, (2000), Clinical implications of dysregulated cytokine production. J Mol Med 78:74–80. doi:10.1007/s001090000086

Journal issue with issue editor

Smith J (ed), (1998), Rodent genes. Mod Genomics J 14(6):126–233

Book chapter

Brown B., Aaron M., (2001), The politics of nature. In: Smith J., (ed) The rise of modern genomics, 3rd edn. Wiley, New York, p 234–295.

Book, authored

South J., Blass B., (2001), The future of modern genomics. Blackwell, London.

Chapter in a book in a series with volume titles

Smith SE, (1976), Neuromuscular blocking drugs in man. In: Zaimis E (ed) Neuromuscular junction. Handbook of experimental pharmacology, vol 42. Springer, Heidelberg, pp 593–660.

Institutional author (book)

International Anatomical Nomenclature Committee (1966), Nomina anatomica. Excerpta Medica, Amsterdam.

Undergraduate Thesis/ Thesis/ Dissertation

Trent JW, (1975), Experimental acute renal failure. Dissertation, University of California.

Proceedings as a book (in a series and subseries)

Zowghi D., et al., (1996), A framework for reasoning about requirements in evolution. In: Foo N, Goebel R (eds) PRICAI'96: topics in artificial intelligence. 4th Pacific Rim conference on artificial intelligence, Cairns, August 1996. Lecture notes in computer science (Lecture notes in artificial intelligence), vol 1114. Springer, Heidelberg, p 157

Conference Text

Chung S-T, Morris RL, (1978), Isolation and characterization of plasmid deoxyribonucleic acid from Streptomyces fradiae. Paper presented at the 3rd international symposium on the genetics of industrial microorganisms, University of Wisconsin, Madison, 4–9 June 1978

Online document

Doe J., (1999), Title of subordinate document. In: The dictionary of substances and their effects. Royal Society of Chemistry. Available via DIALOG. http://www.rsc.org/dose/title of subordinate document. Accessed 15 Jan 1999

In press

Major M., et al., (2007), Recent developments. In: Jones W (ed) Surgery today. Springer, Dordrecht (in press)

International Journal of
Remote Sensing and Earth Sciences

December 2015

Published by:

National Institute of Aeronautics and Space of Indonesia (LAPAN)

Secretariat:
National Institute of Aeronautics and Space of Indonesia (LAPAN)
Jl. Pemuda Persil No.1, Rawamangun, Jakarta 13220 INDONESIA
Phone. (021) 4892802 ext. 144 – 145 (Hunting) Fax. (021) 47882726
Pukasi.lapan@gmail.com

INTERNATIONAL JOURNAL OF
REMOTE SENSING AND EARTH SCIENCES
Vol. 12 No. 2 December 2015
ISSN 0216-6739
No. 572/AU2/P2MI-LIPI/07/2014

Contents

Editorial Committee Preface ii
Editorial Committee Members iii

Mangrove Above Ground Biomass Estimation Using Combination of Landsat 8 and ALOS PALSAR Data
Gathot Winarso, Yenni Vetrita, Anang D. Purwanto, Nanin Anggraini, Soni Darmawan, and Doddy M. Yuwono 85

The Effect of Hydrologic Response Unit on Ci Rasea Watershed Streamflow Based on Landsat TM
Emiyati, Eko Kusratmoko, and Sobirin 97

Height Model Integration Using ALOS PALSAR, X SAR, SRTM C, and ICESAT/GLASS
Atriyon Julzarika 107

Water Clarity Mapping in Kerinci and Tondano Lake Waters Using Landsat 8 Data
Bambang Trisakti, Nana Suwargana, and I Made Parsa 117

Ozone Variability and Ozone Depleting Substances (ODS) in Indonesia Based on MLS-Aura Data
Ninong Komala and Novita Ambarsari 125

Analysis on the Quality of Aerosol Optical Thickness Data Derived from NPP VIIRS and Aqua MODIS Over Western Region of Indonesia
Erna Sri Adiningsih, Andy Indrajat, and Noriandini D. Salyasari 135

Identification of Land Surface Temperature Distribution of Geothermal Area in Ungaran Mount by Using Landsat 8 Imagery
Udhi Catur Nugroho and Dede Dirgahayu Domiri 143

Detection of Forest Fire, Smoke Source Locationsin Kalimantan During The Dry Season for the Year 2015 Using Landsat 8 from the Threshold of Brightness Temperature Algorithm
Kustiyo, Ratih Dewanti, and Inggit Lolitasari 151

Instruction for Authors 161

Index 162

Published by:
National Institute of Aeronautics and Space of Indonesia (LAPAN)