

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.japan@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		M	
Anang D. Purwanto	105[11,2]	M. Rokhis Khomarudin	63[11,1],127[11,2]
Aris Poniman	55[11,1]	Muchammad Soleh	85[11,2]
Atriyon Julzarika	143[11,2]		
D		N	
Dini Oktavia Ambarwati	127[11,2]	Nanik Suryo Haryani	21[11,1]
E		P	
Emiyati	1[11,1]	Parwati Sofan	153[11,2]
Ety Parwati	1[11,1]		
G		R	
Gathot Winarso	11[11,1],105[11,2]	Rahmat Arief	85[11,2]
Gunawan Prabowo	127[11,2]	Ratih Dewanti	97[11,2]
		Rizaldi Boer	41[11,1]
		Rizatus Shofiyati	153[11,2]
		Rossi Hamzah	33[11,1]
H		S	
Hartono	55[11,1]	Sartono Marpaung	137[11,2]
I		Sayidah Sulma	
I. Wayan Nuarsa	73[11,1]	Soni Darmawan	21[11,1]
Indah Prasasti	41[11,1]	Sukendra Martha	153[11,2]
Inggit Lolita Sari	97[11,2]	Sukentyas Estuti Siwi	55[11,1]
		Suwarsono	117[11,2]
		Syarif Budhiman	63[11,1],127[11,2]
		Syifa Wismayati Adawiah	1[11,1]
			73[11,1]
J		T	
Junita Monika Pasaribu	21[11,2]	Takahiro OSAWA	73[11,1]
		Teguh Prayogo	33[11,1]
K		W	
Kuncoro T. Setiawan	73[11,1],143[11,2]	Wataru Takeuchi	153[11,2]
Kustiyo	97[11,2]	Wawan K. Harsanugraha	137[11,2]
L		Y	
Lailan Syaufina	41[11,1]	Yennie Marini	11[11,1]

KEYWORDS INDEX

A		M	
Acid sludge	21, 22, 23, 24, 25, 26, 28, 32[11,1]	Mangrove	1,7,9[11,1], 105,106,107,108,109, 110,111,112,113,114, 115,116[11,2]
Altimetry	33, 34, 39[11,1], 137,138[11,2]	Mangrove degradation	105[11,2]
B		MODIS	11,12,13,14,17,19, 20,34[11,1], 98,103,153,154,156, 160,161,162[11,2]
Basic and thematic geospatial Information	33, 55, 57, 59, 61[11,1]	Monte Carlo Simulation	41,44,46,48,49,50, 51,53[11,1]
Bathymetry	73, 74,75, 76,77, 78,79[11,1]	N	
C		NDBI	63,64,65,66,67,68,69, 70,71,72[11,1]
Central Kalimantan	41,42,43[11,1], 97,98,99,101,103, 145, 151[11,2]	NDVI	1,2,4,6,7,9,21,22,23,2 4,25,26,27,28,29,30,3 1,42,43,64,65, 72[11,1], 105,106,108,110,112, 114,115,153, 162[11,2]
Characteristics and Sea Surface Height	137[11,2]	New index	105,110,115[11,2]
Chlorophyll-a	11,12,13,14,15,16,17, 18,19,20[11,1], 137[11,2]	O	
CMORPH	41,42,43,45,56,48,51, 52,53[11,1]	OC3 Algorithm	11[11,1]
Contamination	21,22,23,24,25,28, 32[11,1]	P	
D		Pan-sharpening method	117,119,121,123, 124[11,2]
Drought	41,42,50[11,1], 86,153,154,155,156,1 57,158,159,160,161,1 62[11,2]	R	
F		Radiometric correction	13,23,60,63,66,75, 76[11,1], 97,98,99,100,101, 102,103,119[11,2]
Flood risk	127,128[11,2]	Ratio method	1,4,7,9[11,1]
Forest/Land Fire Risk	41,50,51[11,1]	Reflectance	3,4,5,13,23,32,66,67,6 8,71,75,76,79[11,1],9 7,98,99,100,101,103, 107,155[11,2]
H		Remote sensing	1,2,5,9,10,12,13,19,2 0,21,22,31,32,34,39,5 2,53,55,57,58,61,62,6 3,64,65,66,71,72,73,7 4,79,80[11,1], 86,88,95,96,97,103,1 05,106,115,116,117,1 21,124,125,126,127,1 28,134,135,136,138,1 42,143,151,152,153,1 54,155, 162[11,2] 55,61,62[11,1]
Height model	143,147,148,150[11,2]	S	
High-resolution remote sensing	127[11,2]	SAR	85,86,87,88,89,90,91, 92,94,95,96,128,135, 117,118,119,120,121,
I			
Image Fusion	117,121,122,124,125, 126[11,2]		
Indonesian seas	11,12,16,18,33[11,1]		
Information system	34, 39,40,52,57[11,1], 153,154,155,159, 161[11,2]		
Inverse distance weighting	33,34,40[11,1]		
K			
Kampung Pulo	127,128,129,130,131, 132,133,134[11,2]		
Kriging	33,34,35,36,37,38,39, 40[11,1]		
L			
Lampung Bay	1,2,4,7,8,9[11,1]		
LANDSAT ETM+	73,75,76,77,78, 79[11,1]	Remote sensing policy	153,154,158[11,2]
Lignite coal and peat coal	143,144,148,149, 151[11,2]	Rice production	
LSA	85,86,87,88,89,90,91, 92,93,94,95,96[11,2]		

	143,148,149,150, 151[11,2]	SPOT-5	122,123,124[11,2] 143,147,148,149,150, 151[11,2]
SAR and Earth Gravity Data	143,147,151[11,2]	Sub bituminous	55[11,1]
SAR parameters	95,89,90,91,94[11,2]	Synergy approaches	
Satellite remote sensing	86,134,153,154[11,2]		
Sea surface height	33,34,39[11,1], 137,138,139,140,141, 142[11,2]	U	127,129,130,131,132, 134[11,2]
Settlement	63,64,65,66,68,70, 71[11,1], 121,122,123,124, 135[11,2]	UAV	117,118[11,2]
		UIQI	
Shoreline	,2,3,4,5,6,7,8,9,10[11,1] 63,66,68,70,71[11,1]	V	73,74,77,78,80[11,1] 97,98,99,100,101,10 2,103[11,2]
		Van Hengel	
Sinabung Volcano	1[11,1]	Viewing angle	
Single band infrared	33,34,39,40[11,1]	Volcanic Landforms	63,64,65,66,67,68,69, 70,71[11,1]
Spatial interpolation	73[11,1]		
SpitzerAlgorithm	1,2,3,4,5,7,9[11,1],	Z	137,138,139,140,141, 142[11,2]
SPOT-4 image	97,98[11,2]	Zonal	

(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 Author¹, Second Author², etc.ⁿ ← (Author's Name without Title)
(10.5 pt, Franklin Gothic Medium, bold)

¹First Author Institution
²Second 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.

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

N = total weight of the value, B_i = weight on each criteria, S_i = 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.

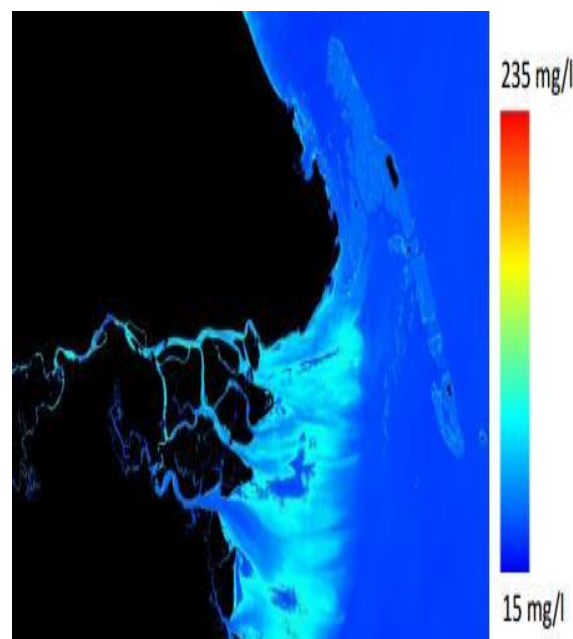


Figure 3-1: TSS distribution for 2002 in Berau Delta waters.
(9pt, Bookman Old Style)

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* 341:325-329

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)

Zoughi 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 2014

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. 11 No. 2 December 2014

ISSN 0216-6739

No. 572/AU2/P2MI-LIPI/07/2014

Contents

Editorial Committee Preface	ii
Editorial Committee Members	iii
ANALYSIS OF SAR MAIN PARAMETERS FOR SAR SENSOR DESIGN ON LSA Muchammad Soleh and Rahmat Arief	85
A TWO-STEPS RADIOMETRIC CORRECTION OF SPOT-4 MULTISPECTRAL AND MULTITEMPORAL FOR SEAMLESS MOSAIC IN CENTRAL KALIMANTAN Kustiyo, Ratih Dewanti, and Inggit Lolita Sari	97
EVALUATION OF MANGROVE DAMAGE LEVEL BASED ON LANDSAT 8 IMAGE Gathot Winarso and Anang D. Purwanto	105
EVALUATION OF SPOT-5 IMAGE FUSION USING MODIFIED PAN- SHARPENING METHODS Sukentyas Estuti Siwi	117
THE USE OF HIGH RESOLUTION IMAGES TO EVALUATE THE EVENT OF FLOODS AND TO ANALYSIS THE RISK REDUCTION (CASE STUDY: KAMPUNG PULO, JAKARTA) M. Rokhis Khomarudin, Suwarsono, Dini Oktavia Ambarwati, and Gunawan Prabowo ..	127
ANALYSIS OF SEA SURFACE HEIGHT ANOMALY CHARACTERISTICS BASED ON SATELLITE ALTIMETRY DATA (CASE STUDY: SEAS SURROUNDING JAVA ISLAND) Sartono Marpaung and Wawan K. Harsanugraha	137
UTILIZATION OF SAR AND EARTH GRAVITY DATA FOR SUB BITUMINOUS COAL DETECTION Atriyon Julzarika and Kuncoro Teguh Setiawan	143
AN EFFECTIVE INFORMATION SYSTEM OF DROUGHT IMPACT ON RICE PRODUCTION BASED ON REMOTE SENSINGⁱ Rizatus Shofiyati, Wataru Takeuchi, Soni Darmawan, and Parwati Sofan	153
Instruction for Authors	163
Index.....	164

Published by:

National Institute of Aeronautics and Space of Indonesia (LAPAN)