

P-ISSN: 1410-7783

E-ISSN: 2580-7110

Jurnal

# Saintis

*Volume 21 Nomor 02, Oktober 2021 : 61-112*

**Rasionalisasi Kerapatan Stasiun Hujan Wilayah Sungai Rokan Berdasarkan Data Hujan Harian dan Variasi Tingkat Kesalahan** 61 – 70

Dehas Abdaa, Manyuk Fauzi, Ari Sandhyavitri

**Karakterisasi Limbah Cair *Greywater* pada level Rumah Tangga Berdasarkan Sumber Emisi** 71 – 78

Siti Nurul Khotimah, Nur Anisa Mardhotillah, Nur Arifaini, Sumiharni

**Pengaruh Tiang Terhadap Kapasitas Dukung Pelat dan Modulus Reaksi Tanah-Dasar pada Tanah Gambut** 79 – 86

Aazokhi Aazokhi Waruwu, Santo Yanri Pardosi

**Analisis Respons dan Kinerja Struktur Bangunan Gedung Menggunakan *Pushover Analysis*** 87 – 96

Arie Putra Usman, Rosidawani, Sri Palta Mutmainna

**Analisis Kelayakan Finansial Pembangunan Koneksi Pelabuhan Kapal *Ro-Ro* Dumai-Malaka Metode Deterministik** 97 – 104

Yoga Budi Pratama

**Analisis Kebutuhan Penyediaan Air Bersih di Kota Palembang** 105 – 112

M. Agung Kurniawan, Heni Fitriani, Febrian Hadinata

Jurnal Saintis	Vol. 21	No. 02	Halaman 61-112	Pekanbaru Oktober 2021	P-ISSN :1410-7783 E-ISSN : 2580-7110
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## Focus and Scope

**Saintis** is devoted to research on civil engineering related fields including geotechnics, transports, structures, water resources and others related with civil engineering topics.

Subject areas include (but are by no means limited to):

- ▣ Structural mechanics and engineering
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- ▣ Structural analysis and computational mechanics
- ▣ Construction technology and implementation
- ▣ Construction materials design and engineering
- ▣ Highway and transport engineering
- ▣ Bridge and tunnel engineering
- ▣ Municipal and urban engineering
- ▣ Coastal, harbour and offshore engineering
- ▣ Geotechnical and earthquake engineering
- ▣ Engineering for water, waste, energy, and environmental applications
- ▣ Hydraulic engineering and fluid mechanics
- ▣ Surveying, monitoring, and control systems in construction
- ▣ Health and safety in a civil engineering setting

**Saintis** is expected to publish the research result based on experiment, qualitative and quantitative method as well as literature study which may develop the quality of research and new invention in civil engineering field.

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## PREFACE

For over 15 years *Jurnal Saintis* has been published various Scientific and Engineering Research paper in Civil, Planning and Environmental Engineering. Our mission has always focused on bridging the knowledge of academia/researcher and deliver the innovation to the world. We have great commitment to strengthening the ties between academia and society.

This October 2021, *Jurnal Saintis* publishes Volume 21 Number 02 to show our commitment to contribute on Civil, Planning and Environmental Engineering. We collaborate with author and reviewer from various university to ensure that we deliver high quality publication. We also updated our system to cope with latest publishing development.

As an Editor In-Chief of *Jurnal Saintis*, I would like to express my highest appreciation to author, reviewer and editor that has contributed to the development of *Jurnal Saintis*. I openly invite academia, researcher and engineering societies to use *Jurnal Saintis* as dissemination tools of research and proposing solution for many engineering problems. We announce that our journal could be exposed by the readers around the globe, and it has been indexed by DOAJ since August 2019. *Jurnal Saintis* has also been accredited by the Ministry of Research and Technology / National Research and Innovation Agency of the Republic of Indonesia, as 4th rank, SINTA (science and technology index) S4, No.200/M/KPT/2020, since December 2020.

Thank you very much for your cooperation. We would like to invite you to give contribution to our further publication.

Regards,

Editor In-Chief.

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**VOLUME 21, NO. 02, OKTOBER 2021 : 61 – 112**

**LIST OF CONTENTS**

<b>Rasionalisasi Kerapatan Stasiun Hujan Wilayah Sungai Rokan Berdasarkan Data Hujan Harian dan Variasi Tingkat Kesalahan</b> Dehas Abdaa, Manyuk Fauzi, Ari Sandhyavitri	61 – 70
<b>Karakterisasi Limbah Cair <i>Greywater</i> pada level Rumah Tangga Berdasarkan Sumber Emisi</b> Siti Nurul Khotimah, Nur Anisa Mardhotillah, Nur Arifaini, Sumiharni	71 – 78
<b>Pengaruh Tiang Terhadap Kapasitas Dukung Pelat dan Modulus Reaksi Tanah-Dasar pada Tanah Gambut</b> Aazokhi Aazokhi Waruwu, Santo Yanri Pardosi	79 – 86
<b>Analisis Respons dan Kinerja Struktur Bangunan Gedung Menggunakan <i>Pushover Analysis</i></b> Arie Putra Usman, Rosidawani, Sri Palta Mutmainna	87 – 96
<b>Analisis Kelayakan Finansial Pembangunan Koneksi Pelabuhan Kapal <i>Ro-Ro</i> Dumai-Malaka Metode Deterministik</b> Yoga Budi Pratama	97 – 104
<b>Analisis Kebutuhan Penyediaan Air Bersih di Kota Palembang</b> M. Agung Kurniawan, Heni Fitriani, Febrian Hadinata	105 – 112

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## AUTHOR GUIDELINE

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Include a separate title page with:

- 1) Title (maximum 85 characters)
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Divide your article into several headings: Introduction, Method, Results and Discussion, and Conclusions, References, and Appendices (if necessary). You must follow how headings are written in this template by selecting Heading 1 in the available styles. Authors must guarantee that their article is free from plagiarism. Article that has been submitted or published elsewhere cannot be submitted to *Jurnal Saintis*. Please read our policy on the issue.

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$$\alpha = \frac{\bar{S}}{J_s (T = \text{const.}) \cdot \left( P \cdot \left( \frac{\bar{S}}{S_c} \right)^m + (1 - P) \right)} \quad (1)$$

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Greek symbols and special characters often undergo formatting changes and get corrupted or lost during preparation of a manuscript for publication. To ensure that all special characters used are embedded in the text, these special characters should be inserted as a symbol but should not be a result of any format styling (Symbol font face) otherwise they will be lost during conversion to PDF/XML2. Authors are encouraged to use SI units, but use of SI units is not mandatory if other units are more appropriate.

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- [1] G.J Foschini, : Layered space-time architecture for wireless communication in fading environment when using multi-element antennas," *Bell Lab, Tech.*, vol. 1. Pp. 41-59, 1996.

#### **Book: Two or More Authors**

- [2] Bell, A. Graham, "Performance Tuning", in *Theory and Practise – Four Stroke*, First Edition, United of Kingdom : Haynes Publishing, 1981. .

#### **Book: Editor**

- [3] D. Sarunyagate, Ed., *Lasers*. New York: McGraw-Hill, 1996.

#### **Book: Different Editions**

- [4] K. Schwalbe, *Information Technology Project Management*, 3rd ed. Boston: Course Technology, 2004.

#### **Scientific/Technical Report**

- [5] K. E. Elliott and C.M. Greene, "A local adaptive protocol," Argonne National Laboratory, Argonne, France, Tech. Rep. 916-1010-BB, 1997.

#### **Conference Proceedings**

- [6] T. J. van Weert and R. K. Munro, Eds., *Informatics and the Digital Society: Social, ethical and cognitive issues: IFIP TC3/WG3.1&3.2 Open Conf.e on Social, Ethical and Cognitive Issues of Informatics and ICT*, July 22-26, 2002, Dortmund, Germany. Boston: Kluwer Academic, 2003.

#### **E-book**

- [7] L. Bass, P. Clements, and R. Kazman, *Software Architecture in Practice*, 2nd ed. Reading, MA: Addison Wesley, 2003. [Online] Available: Safari e-book.

#### **Journal Article from a Full Text Database**

- [8] H. Ayasso and A. Mohammad-Djafari, "Joint NDT Image Restoration and Segmentation Using Gauss-Markov-Potts Prior Models and Variational Bayesian Computation," *IEEE Transactions on Image Processing*, vol. 19, no. 9, pp. 2265-77, 2010. [Online]. Available: IEEE Xplore, <http://www.ieee.org>. [Accessed Sept. 10, 2010].

#### **Journal Article from the Internet**

- [9] P. H. C. Eilers and J. J. Goeman, "Enhancing scatterplots with smoothed densities," *Bioinformatics*, vol. 20, no. 5, pp. 623-628, March 2004. [Online]. Available: [www.oxfordjournals.org](http://www.oxfordjournals.org). [Accessed Sept. 18, 2004].

#### **Government Publication**

- [10] Australia. Department of Education, Employment and Workplace Relations, *Survey on Changes in Awareness and Understanding of Science, Engineering and Technology: Report on findings*. Canberra: The Department; 2008. [Online]. Available: <http://www.dest.gov.au/NR/rdonlyres/241263CF-8585-4EEC-B104-C947C6C18029/23713/SurveyonChangesinawarenessunderstandingofSET.pdf>. [Accessed: Sept. 7, 2010].

#### **Thesis**

- [11] M. W. Dixon, "Application of neural networks to solve the routing problem in communication networks," Ph.D. dissertation, Murdoch Univ., Murdoch, WA, Australia, 1999.

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E meaning of E

$J_s$  meaning of  $J_s$

$\beta$  meaning of  $\beta$

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