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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH : JURNAL ILMIAH

Judul Jurnal Ilmiah (Artikel) : 3D Modeling Of Resistivity Methods On Iron And Concrete anomaly Using Dipole-Dipole Configuration

Nama/ Jumlah Penulis : 4 Orang

Status Pengusul : penulis ke-4

Identitas Jurnal Ilmiah :

a. Nama Jurnal	:	IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG)
b. Nomor ISSN	:	e-ISSN: 2321-0990, p-ISSN: 2321-0982
c. Vol, No., Bln Thn	:	Vol 6, No.6, Nov-Des 2018
d. Penerbit	:	International Organization Of Scientific Research (IOSR)
e. DOI artikel (jika ada)	:	10.9790/0990-0606017781
f. Alamat web jurnal	:	https://www.iosrjournals.org/iosr-jagg.html
Alamat Artikel	:	http://www.iosrjournals.org/iosr-jagg/papers/Vol.%206%20Issue%206/Version-1/H0606017781.pdf
g. Terindex	:	Crossref (DOI: 10.9790)

Kategori Publikasi Jurnal Ilmiah :

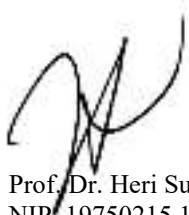
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Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi jurnal (10%)	2	2	2
b. Ruang lingkup dan kedalaman pembahasan (30%)	5,8	5,8	5,8
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	5,8	5,8	5,8
d. Kelengkapan unsur dan kualitas penerbit (30%)	5,9	5,8	5,85
Total = (100%)			19,45
Nilai untuk Pengusul : $(40\% \times 19,45) / 3 = 2,59$			

Reviewer 1



Prof. Dr. Heri Sutanto, S.Si, M.Si
NIP. 19750215 199802 1 001
Unit Kerja :FSM Universitas Diponegoro
Bidang Ilmu: Fisika

Semarang, 4 Oktober 2022

Reviewer 2



Prof. Dr. Rahmat Gernowo, M.Si
NIP. 19651123 199403 1 003
Unit Kerja :FSM Universitas Diponegoro
Bidang Ilmu: Fisika

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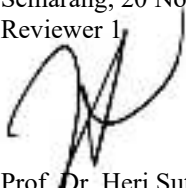
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Total = (100%)	20,00			19,5
Nilai Pengusul = (40% x 19,5)/3 = 2,60				

Catatan Penilaian artikel oleh Reviewer :
1. Kelengkapan unsur isi jurnal: Artikel telah disusun lengkap (Judul, abstrak hingga referensi) sesuai standar penulisan IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG). Topik artikel sesuai scope jurnal yaitu bidang Fisika/geofisika.
2. Ruang lingkup dan kedalaman pembahasan: Lingkup artikel terkait penentuan nilai resistivitas dengan perlakuan anomaly yaitu peletakan sampel besi dan beton dibawah tanah. Pembahasan telah dilakukan dengan jelas cukup komprehensif. Pembahasan belum membandingkan hasil penelitian lain.
3. Kecukupan dan kemutakhiran data/informasi dan metodologi: Data pengukuran resistivitas dengan model pole-dipole diolah menggunakan software Res3dinv64 yang merupakan salah satu metode standar dalam bidang geofisika. Tampilan data 3D sudah disajikan dengan jelas. Artikel didukung 13 referensi yang relevan dan sesuai dengan mayoritas kategori mutakhir.
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Semarang, 20 November 2022
Reviewer 1



Prof. Dr. Heri Sutanto, S.Si., M.Si.
NIP. 197502151998021001
Unit Kerja: FSM Universitas Diponegoro
Bidang Ilmu: Fisika

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d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	6,00			5,8
Total = (100%)	20,00			19,4
Nilai Pengusul = (40% x 19,4) / 3 = 2,58				

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Latar belakang memberikan dasar yang sangat kuat untuk mengemukakan sesuatu yang baru dalam artikel. . Kebaruan dari kajian ini dikemukakan dengan baik dan jelas.
- Ruang lingkup dan kedalaman pembahasan:**
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- Kecukupan dan kemutakhiran data/informasi dan metodologi:**
Data dan referensi mutakhir, termasuk referensi dari kajian yang dilakukan oleh peneliti. Metoda standar dibidangnya dan akan bisa direfleksikan oleh peneliti lain sebidang.
- Kelengkapan unsur dan kualitas terbitan:**
Penerbitan sudah sangat bagus tertata rapi IOSR Journal of Applied Geology and Geophysics (IOSR-JAGG), nilai maksimum 20

Semarang, 4 Oktober 2022
Reviewer 2


Prof. Dr. Rahmat Gernowo, M.Si
NIP. 19651123 199403 1 003
Unit Kerja :FSM Universitas Diponegoro
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Position : Principal Research Scientist
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Paper Pub. in Int Journal : 12
Paper Pub. in Nat Journal : 28
Awards : Best Officer award

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Paper Pub. in Nat Journal : 02
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Citation

Abstract

Reference

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Paper Type : Research Paper
Title : Hydrological Study Of The Catchment Area Of The Kinsenda River
Country : Congo
Authors : Mwabanua Mutabi C. || Kasongo Wa Mutombo P. || Lunda Ilunga J.M. || Matete A. || Tshilongo Tshiwewe P. || Mulikita Kitambo M. || Mwitwa Kapapa M
 : **10.9790/0990-0606010113** 
(http://www.doi.org/)

Abstract: In mining, the unwatering of the aquiferous formations and the control of these last imply a good knowledge of local geology and a perfect approach of the hydrological factors which condition the mode of subsoil waters (supply of water in aquifers, fluctuation of the piezometric levels, etc). This approach will concentrate on the morphometric study of the catchment area of the Kinsenda river; the determination of the characteristics of relief and its hydrographic network. The morphometric, hydrographic and hypsometric study from the catchment area of the Kinsenda river brought out the following elements.....

Keywords : catchment area, piezometry, hydrographic network, morphometry, relief, geology, hydrogeology, isopieze

- [1]. GILLI.E., BOUDIN.F., AUDRA.PH., GOMEZ. A., MARIE . J.C & FLORSCH.N. Variations inclinométriques corrélées à l'hydrologie sur le site karstique de Calern (Alpes-Maritimes).CNFG2.Unesco,2008.
- [2]. J.P. LABORDE. Eléments d'hydrologie de surface. Université Nice Sophia Antipolis, France, 2009. 202p.
- [3]. A. MUSY and C. HIGY. Hydrologie appliquée. Mc Graw-Hill, 1998.
- [4]. A. MUSY. Cours d'hydrologie générale. Polytechnique Fédérale de Lausanne (EPFL), Institut des Sciences et Technologies de l'Environnement (ISTE), Février 2005.
- [5]. REMENIERAS. L'hydrologie de l'ingénieur. Eyrolles, Paris, 1980..

Citation

Abstract

Reference

Abstract: Some residual lateritic soils derived from crystalline basement complex rocks of south-western Nigeria were investigated for some geotechnical properties to ascertaining their suitability as mineral seals in sanitary landfills. Investigative tests include specific gravity, grain size analysis, consistency limits, compaction, permeability and unconfined compression. The liquid limit, plastic limit and plasticity index (PI) values varied from 32.3 to 41 %, 19.2 to 21.3 % and 12.2 to 20.3 % respectively. Casagrande chart indicated inorganic clayey soils with low to medium plasticity. The computed clay activity ranged from 0.58 to 1.39, indicating Kaolinite and Illite as constituent clay minerals in the soils. The PI values (12.2 to 20.3 %) implied that the soils will exhibit low to medium swelling potential when wet. The Maximum Dry Density (MDD) and Optimum Moisture Content (OMC) values ranged from 1.67 to 2.01 g/cm³ and 12.9 to 22.9 % respectively. Hydraulic conductivity values varied from.....

Keywords : Containment, groundwater contamination, hydraulic barriers, permeability, waste disposal.

- [1]. Adewusi, O. A. (2012). A study of the National rural water supply and sanitation programme aimed at achieving Millennium Development Goals in eradicating water borne diseases in Nigeria. Jourl. of emerging Trends in Economics and Management Sciences, 3(3): pp. 272 - 276
- [2]. Ali, A. F. and Young, R. J. (2014) An assessment of groundwater contamination around a solid waste disposal site in Kano, Nigeria. Waste Mangmt & Env. Vol. 180, pp. 317-323.
- [3]. Amadi A. N., Dan-Hassan M. A., Okoye N. O., Ejiofor I. C. and Aminu Tukur, (2013). Studies on Pollution Hazards of Shallow Hand-Dug Wells in Erena and Environs, North-Central Nigeria. Environment and Natural Resources Research, 3(2), 69-77.
- [4]. Amuda, O. S. Adebisi, S. A., Jimoda, L. A. and Alade, A. O. (2014) Challenges and possible panacea to the municipal solid wastes management in Nigeria. Journ. Sustainable Dev. studies. Vol. 6(1), pp. 64 - 70.
- [5]. Arasan, S. and T. Yetimoglu, (2008): Effect of Inorganic Salt Solutions on the Consistency Limits of Two Clays. Turk. J. Eng. Environ. Sci., Vol.32, pp107-115..

Citation

Abstract

Reference

Full PDF (../papers/Vol. 6 Issue 6/Version-1/H0606017781.pdf)

Paper Type	:	Research Paper
Title	:	3D Modeling of Resistivity Methods on Iron and Concrete Anomaly Using Dipole-Dipole Configuration
Country	:	Indonesia
Authors	:	Oni Lista Damaranti Tony Yulianto M. Irham N Sasongko, DP
	:	10.9790/0990-0606017781 (http://www.doi.org/)



Abstract: Laboratory modeling studies using the resistivity method have been carried out to determine the location of anomalies in the form of iron and concrete which are placed in the soil at predetermined coordinates. In this study it was buried in sub surface cylinder iron anomaly, iron sheet anomaly and concrete anomaly. Dipole-dipole configuration resistivity method is used to determine the location of anomalies based on the resistivity of an anomaly in the form of iron and concrete. Retrieval of data with Dipole-dipole configuration is done by taking 21 tracks. Tracks.....

Keywords : 3D modeling, resistivity method, Dipole-dipole configuration

- [1]. Alaydrus, A. T., 2013. Leachate Pollution Mapping Using the 3-Dimensional Geoelectric Method. Physical Education Scientific Journal "Lens", 2 (1), pp. 154-160.
- [2]. Suyanto, I. & Utomo, A. S., 2013. Analysis of Dipole-Dipole Resistivity Data for Identification and Calculation of Asbuton Resources in Kabungka Region, Pasarwajo, Buton Island, Southeast Sulawesi. Indonesian Physics Journal, XVII (50), pp. 1-7.
- [3]. Kinayung, S., Darsono & Legowo, B., 2014. Application of the Method of Resistivity Geoelectric Dipole-Dipole Configuration to Identify Regional-X Galena (PBS) Distribution Potential, Wonogiri Regency. Physics Journal FLUX, 11 (2), pp. 140-148.
- [4]. Singh, K. B., Lokhande, R. D. & Prakash, A., 2004. Multielectrode Resistivity Imaging Technique for the Study of Coal Seam. Journal of Scientific and Industrial Research, Volume 63, pp. 927-930.
- [5]. Telford, W. M., Geldart, L. P. & Sheriff, R. E., 1990. Applied Geophysics. 2nd ed. Cambridge: Cambridge University Press..