Lampiran 6

LEMBAR HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW KARYA ILMIAH : JURNAL INTERNASIONAL

Judul Jurnal Ilmiah (Artikel) : Synergism and Antagonism among Indigenous Hydrolytic Bacteria from Biomedical Wastes for the Generation of Bacterial Consortium Used as Bioremediation Agent Nama Penulis : 1. Stalis Norma Ethica, 2. Rifki Muslim, 3. RM Bagus Widyawardhana, 4. Sakti Imam Muchlissin, 5. Akbar Firmansyah, 6. Sri Darmawati Jumlah Penulis : 6 (enam) orang : penulis pertama / penulis ke-6 /penulis korespondensi * Status Pengusul Identitas Jurnal Ilmiah : a. Nama Jurnal : International Journal of Environmental Science and Development g. Nomor ISSN : 2010-0264 h. Volume, nomor, bulan, tahun : Vol. 10, No. 12, December 2019, hal: 440-444, Penerbit 1. : IJESD http://www.ijesd.org DOI artikel (Jika ada) 1. : http://dx.doi.org/10.18178/ijesd.2019.10.12.1213 k. Terindeks di : Scopus https://www.scopus.com/sourceid/21100920640 Kategori Publikasi Jurnal Ilmiah: Jurnal Ilmiah Internasional bereputasi (terindeks pada database internasional bereputasi dan berfaktor dampak)

 Kategori Publikasi Jurnal Ilmiah:
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 (beri □pada kategori yang tepat)
 Jurnal Ilmiah Internasional bereputasi dan berfaktor dampak)

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 Jurnal Ilmiah Internasional terindeks pada database internasional bereputasi

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Komponen Yang Dinilai	Internasional Bereputasi dan berfaktor dampak	Internasional terindeks database internasional bereputasi	Internasional terindeks pada database internasional diluar kategori bereputasi	Nilai Yang Diperoleh
a. Kelengkapan unsur isi Artikel (10%)	4,0			4,0
 b. Ruang lingkup dan kedalaman pembahasan (30%) 	12,0			11,0
 c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%) 	12,0			11,0
 Kelengkapan unsur dan kualitas terbitan/jurnal (30%) 	12,0			12,0
Total = (100%)	40			38,0
Nilai Pengusul	(),4 x 38/5 = 3,4	L	3,4
Nilai rata-rata Reviewer 1 dan 2		(3,4+3,09)/2=3,2	5	3,25

Catatan penilai artikel oleh Reviewer 2:

5. <u>Kesesuaian dan kelengkapan unsur isi jurnal:</u> Aturan "Guide for Author" (Title, abstract, Introduction, Materials and methods, Results and Discussion, Conclusion, Acknowledgement, References) sudah sesuai. Substansi artikel sesuai dan terkait bidang ilmu pengusul (Mikrobiologi/Bioteknologi). Format lengkap, ada benang merah dalam struktur penulisannya (skor=4,00).

- 6. <u>Ruang lingkup dan kedalaman pembahasan:</u> Substansi artikelnya sudah sesuai dengan ruang lingkup jurnal (International Journal of Environmental Science and Development). Kedalaman pembahasan hanya melibatkan 5 dari 16 bh rujukan) (skor=11,00).
- 7. Kecukupan dan kemutakhiran data/informasi dan metodologi: Data-data hasil penelitian sudah menunjukkan ada kebaruan informasi. Dari 16 buah rujukannya, terdapat 15 buah pustaka acuan yang mutakhir (kurang dari 10 th terakhir). Sebanyak 12 dari 16. pustaka berupa Jurnal, (menunjukkan proses review dan kecukupan pustaka sudah memenuhi) (skor = 11,00).
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Semarang, 10 November 2021 Reviewer 2

Prof. Dr. Suwarno Hadisusanto, SU

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e. DOI artikel (Jika ada)

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 d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%) 	12,0	1		11,7
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Prof. Dr. Hermin Pancasakti Kusumaningrum, S.Si, M.SiNIP/NIDN: 197002081994032001/0008027003Unit kerja: Fak. Sains dan Matematika UNDIPJab. Fungsional: Guru BcsarBidang Ilmu: Biologi

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Synergism and antagonism among indigenous hydrolytic bacteria from biomedical wastes for the generation of bacterial consortium used as bioremediation agent

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^b Magister Program of Medical Laboratory Science, Universitas Muhammadiyah, Semarang, 50273, Indonesia
 ^c Medical Faculty, Universitas Muhammadiyah, Semarang, 50273, Indonesia

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Department of Civil and Environmental Engineering, Idaho State University, Pocatello, Idaho

83209,<mark>USA</mark>

Email (mailto:leunsolo@isu.edu)

Interest: water and wastewater treatments; air pollution control; biosensors; nanotechnology applications; environmental health and risk assessments

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Zagazig 44519, Egypt
Email (mailto:amnegm@zu.edu.eg)
Interest: water resources; RS/GIS applications in water resources; hydrology and groundwater;
environmental engineering; sustainable and green environment; hydrodynamic, modeling,
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Assoc. Prof. Xinling Li

School of Mechanical, Shanghai Jiao Tong University, Shanghai, China Email (mailto:lxl@sjtu.edu.cn) Interest: emission of vehicle; air pollution; aerosol

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Department of Safety, Health and Environmental Engineering, Ming Chi University of Technology, New Taipei, Taiwan Website (http://igtplus.mcut.edu.tw/sections/121/pages/376?locale=zh_tw) | Email (mailto:kevinliu@mail.mcut.edu.tw) Interest: environmental sustainability

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Jeffrey Sachs Center on Sustainable Development, Sunway University, Malaysia Website (http://jci.edu.my/koh-hock-lye/) | Email (mailto:hocklyek@sunway.edu.my) Interest: mathematical modelling; sustainable lake management

Dr. Mitsuo Yoshida

 Environmental Research Laboratory, International Network for Environmental and Humanitarian Cooperation, Nonprofit Inc., Tokyo, Japan
 Global Environment Department, Japan International Cooperation Agency (JICA), Tokyo, Japan
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 Interest: environmental management; environmental geology

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School of Chemical Engineering, Universiti Sains Malaysia, Malaysia Website (http://chemical.eng.usm.my/staff/47-academic/267-irvan-dahlan) | Email (mailto:chirvan@usm.my) Interest: adsorption; wastewater and air pollution treatment

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		Synergism and Antagonism among Indigenous Hydrolytic Bacteria	
1213	Article	from Biomedical Wastes for the Generation of Bacterial Consortium Used as Bioremediation Agent (http://www.ijesd.org/show-140-1693-1.html) Stalis Norma Ethica, Rifki Muslim, RM Bagus Irawan Widyawardhana, Akbar Firmansyah, Sakti Imam Muchlissin, and Sri Darmawati	440
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IJESD 2019 Vol.10(12): 410-418 ISSN: 2010-0264

doi: 10.18178/ijesd.2019.10.12.1208

An Assessment of CO₂ Emission and Absorption in Response to Land-Cover Changes in the Seoul Metropolitan Area

Sangheon Lee

Abstract—In order to cope with climate change, which has been becoming a global issue, there are measures such as fundamentally reducing energy use or converting energy sources into renewable energy, but this is difficult to apply due to limitations on human activities. Based on the guidelines provided by the IPCC, this study drew a countermeasure to climate change considering the emission and absorption of CO_2 by land use or land cover. Especially, by using the land-use change simulation technique to predict future land use, expected problems which are caused by urban development were prevented in advance. In addition, CO_2 emissions sources are classified into direct emissions and indirect emissions, and the extent to which each region contributes to greenhouse gas emissions is analyzed to provide alternatives that meet the characteristics of each region. Moreover, to calculate greenhouse gas emissions in the transportation sector, the network analysis of ArcGIS was used to calculate CO_2 emissions from vehicle's movements and to propose alternatives.

Index Terms—Climate change adaptation, CO₂ emission and absorption, direct-indirect emission, land use change simulation.

Snagheon Lee is with Changwon Research Institute, Changwon, Gyeongsangnam-do, South Korea (e-mail: shlee0901@gmail.com).

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Changes in the Content of Chemical Elements in the Muscle Tissue of Broilers on the Background of Plant Extract and Tetracyclines

Olga Kvan, Galimzhan Duskaev, Shamil Rakhmatullin, and Dianna Kosyan

Abstract—The article provides information on the mineral metabolism in the body of an agricultural bird. Studies have shown that when incorporating biologically active substances along with plant extracts, they help to improve the immunity of the birds. This article is devoted to the study of the effect of antibiotic and oak bark extract on mineral metabolism in the body of broiler chickens. During the study it was revealed that the pectoral muscles of the bird contain an excess of such trace elements as cobalt, silicon, vanadium, copper, zinc, and iodine. Oak bark extract in the pectoral muscles and in the muscles of the thigh contributed to the elimination of toxic elements, so the level of aluminum in absolute terms was significantly reduced. The inclusion of antibiotics also led to a significant decrease with respect to aluminum control. The maximum decrease in the level of toxic elements was observed in the group that was additionally co-administered with an antibiotic and oak bark extract. It has been found that extracts of these herbs enhance broiler immunity and help balance the intestinal flora necessary for digestion and for protection against pathogenic microorganisms.

Index Terms—Broiler muscle tissue, mineral metabolism, macronutrient composition, muscles of the bird, tetracycline antibiotic, toxic elements.

The authors are with Federal Research Center of Biological Systems and Agrotechnologies of the Russian Academy of Sciences, 9 Yanvarya, 29, Orenburg 460000, Russia (e-mail: kwan111@yandex.ru, gduskaev@mail.ru, Shahm2005@rambler.ru, kosyan.diana@mail.ru).

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An Assessment of CO₂ Emission and Absorption in Response to Land-Cover Changes in the Seoul Metropolitan Area (http://www.ijesd.org/show-140-1688-1.html)

NEXT PAPER

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