

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

Judul Jurnal Ilmiah (Artikel)

: Correlation of Folic Intake and Internal Carotid Artery Intima-Media Thickness Changes In Post Ischemic Stroke

Jumlah Penulis

: 3 orang

Status Pengusul

: Dwi Pudjonarko (penulis kedua)

Identitas Jurnal Ilmiah

a. Nama Jurnal

: International Journal of Science and Engineering (IJSE)

b. Nomor ISSN

: 2086-5023

c. Volume nomor bulan tahun

: Vol. 8 (2), April 2015

d. Penerbit

: Diponegoro University

e.DOJ artikel (Jika ada)

: 10.12777/ijse.8.2.159-166

f. Alamat web Jurnal

: <https://ejournal.undip.ac.id/index.php/ijse/article/view/8823/7142>

g.Terindeks di atau di DOAJ, google scholar

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		20x0.4/2= 4			
a	Kelengkapan unsur isi jurnal (10%)	0.4			0,2
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c	Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	"1.2			0,8
d	Kelengkapan unsur dan berkualitas terbitan/ jurnal (30%)	"1.2			0,7
Nilai Total = (100%)		4			2,5
Nilai Pengusul = 40x0.4/2= 4					

Catatan Penilaian artikel oleh Reviewer

- Sebagian penulis ke 2 dari 3 penulis pd. jurnal internasional.

- abstrak cukup, lengkap, editing kurang baik.

- cukup metodologi, pembahasan menggunakan 13 prosedur.

- pendahuluan terdiri dari 1 paragraf menggunakan 24 prosedur.

- metode cukup, hasil & pembahasan menggunakan dalam 1 bab.

- metode cukup, menggunakan 10 prosedur.

- beberapa prosedur dan daftar prosedur tidak digunakan secara sistematis.

- Submission & accepted 1 bulan, kechri 1x

Semarang.

Reviewer I



Unit Kerja

* Dinilai oleh dua Reviewer secara terpisah

**Coret yang tidak perlu

***Nasional/terindeks di DOAJ CAB Copernicus

Prof. Dr. dr. HARDHONO SUSANTO, PAK(K).
NIP 19550511 198103 1 004

3,15

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

Judul Jurnal Ilmiah (Artikel) : Correlation of Folic Intake and Internal Carotid Artery Intima-Media Thickness Changes In Post Ischemic Stroke

Jumlah Penulis : 3 orang

Status Pengusul : Dwi Pudjonarko (penulis kedua)

Identitas Jurnal Ilmiah : a. Nama Jurnal : International Journal of Science and Engineering (IJSE)
b. Nomor ISSN : 2086-5023
c. Volume nomor bulan tahun : Vol. 8 (2), April 2015
d. Penerbit : Diponegoro University
e.DOJ artikel (Jika ada) : 10.12777/ijse.8.2.159-166
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b	Ruang lingkup dan kedalaman pembahasan (30%)	1,2			1,1
c	Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	1,2			1,2
d	Kelengkapan unsur dan kualitas terbitan/ jurnal (30%)	1,2			1,2
Nilai Total = (100%)		4			3,8
Nilai Pengusul = 20x0.4/2= 4					
Catatan Penilaian artikel oleh Reviewer					
a) Abstrak dan terstruktur & baik, intro — ref ok					
b) R. lingkup ok kedalaman pembahasan perlu ditambah detail dr food recall asupan as. folat					
c) data & metodologi sesuai					
d) kualitas jurnal sesuai kriteria					

Semarang,
Reviewer 2

Prof. Dr. dr. Tri Nur Kristina, DMM,M.Kes.
NIP 195905271986032001

Unit Kerja

* Dinilai oleh dua Reviewer secara terpisah

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International Journal of Science and Engineering (IJSE)

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International Journal of Science and Engineering (/toc/2086-5023). 2014;7(1):48-51 DOI 10.12777/ijse.7.1.48-51 (<https://doi.org/10.12777/ijse.7.1.48-51>)

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International Journal of Science and Engineering (/toc/2086-5023). 2012;3(1):17-21 DOI 10.12777/ijse.3.1.17-21 (<https://doi.org/10.12777/ijse.3.1.17-21>)

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International Journal of Science and Engineering (/toc/2086-5023). 2011;2(2):34-41 DOI 10.12777/ijse.2.2.34-41 (<https://doi.org/10.12777/ijse.2.2.34-41>)

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International Journal of Science and Engineering (/toc/2086-5023). 2011;2(2):27-30 DOI

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International Journal of Science and Engineering (/toc/2086-5023). 2012;3(1):8-12 DOI

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The role of fluoxetine on macrophage function in chronic pain (Experimental study in Balb/c mice) (/article/1663fc18d3364eae8f16d8145a92f669)

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International Journal of Science and Engineering (/toc/2086-5023). 2013;5(2):56-60 DOI

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International Journal of Science and Engineering (/toc/2086-5023). 2015;9(2):97-100 DOI

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International Journal of Science and Engineering (/toc/2086-5023). 2014;6(2):135-143 DOI 10.12777/ijse.6.2.135-143 (<https://doi.org/10.12777/ijse.6.2.135-143>)

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Dissolved Oxygen Availability on Traditional Pond Using Silvofishery Pattern in Mahakam Delta (/article/1c036175a5e54192b148ed5882860ec9)

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International Journal of Science and Engineering (/toc/2086-5023). 2013;5(1):35-41 DOI 10.12777/ijse.5.1.35-41 (<https://doi.org/10.12777/ijse.5.1.35-41>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5139>)



Comparison the physicochemical properties of bunch press fibre cellulose and cyclone fibre cellulose of waste from industry Crude Palm Oil (CPO) (/article/1c831554cf434085b0d32bc416c7ddb6)

Irfan Gustian, Eka Angasa, G Ghufira, M Miliyani, H Hairulumah

International Journal of Science and Engineering (/toc/2086-5023). 2014;6(1):47-51 DOI 10.12777/ijse.6.1.47-51 (<https://doi.org/10.12777/ijse.6.1.47-51>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5721>)



A HIGH ORDER SOLUTION OF THREE DIMENSIONAL TIME DEPENDENT NONLINEAR CONVECTIVE-DIFFUSIVE PROBLEM USING MODIFIED VARIATIONAL ITERATION METHOD (/article/1e066222295f4e1fadc7e943abdc55b1)

Pratibha Joshi, Maheshwar Pathak

International Journal of Science and Engineering (/toc/2086-5023). 2014;8(1):1-5 DOI 10.12777/ijse.8.1.1-5 (<https://doi.org/10.12777/ijse.8.1.1-5>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7711>)



Agarwood Waste as A New Fluid Loss Control Agent in Water-based Drilling Fluid (/article/1f3753c5548144a49d059025f630504a)

Azlinda Azizi, Mohd Shahrul Nizam Ibrahim, Ku Halim Ku Hamid, Arina Sauki, Nurul Aimi Ghazali, Tengku Amran Tengku Mohd

International Journal of Science and Engineering (/toc/2086-5023). 2013;5(2):101-105 DOI 10.12777/ijse.5.2.101-105 (<https://doi.org/10.12777/ijse.5.2.101-105>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5604>)



Instruction for Authors (/article/20907d2f1d6b4c629f1a363cfadadea5)
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International Journal of Science and Engineering (/toc/2086-5023). 2013;4(2):103-104 DOI 10.12777/ijse.4.2.103-104 (<https://doi.org/10.12777/ijse.4.2.103-104>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4747>)



Preparation of Natural Zeolite for Air Dehumidification in Food Drying

(/article/2207a179e7d84b6dbbf7263b9e1043ae)

Mohamad Djaeni, Laeli Laeli Kurniasari, Setia Budi Sasongko

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(2):80-83 DOI

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/8288>)



CONGESTION AS A RESULT OF SCHOOL AND SHOPPING CENTER ACTIVITY

(/article/23c676540cdc463bae7bf99ef45e600e)

Meike Kumaat, Agus Taufik Mulyono, Ade Sjafruddin, Bagus Hario Setiadji

International Journal of Science and Engineering (/toc/2086-5023). 2015;9(2):106-112 DOI

10.12777/ijse.9.2.106-112 (<https://doi.org/10.12777/ijse.9.2.106-112>)

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Editorial (Table of Content, Editorial Board, Preface, Aim and Scope)

(/article/240ee081e47d44e1a747e2d3306533e9)

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International Journal of Science and Engineering (/toc/2086-5023). 2014;6(2) DOI 10.12777/ijse.6.2.i-v

(<https://doi.org/10.12777/ijse.6.2.i-v>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/6800>)



Physical and Mechanical Properties of Palm Oil Frond and Stem Bunch for Developing Pruner and

Harvester Machinery Design (/article/24d1546af8a84d75aee6ab30e8c1d455)

Yazid Ismi Intara, Hamdi Mayulu, P.A.S. Radite

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4583>)



[Editorial \(Table of Content, Editorial Board, Preface\) \(/article/262485d175764db19bd30918ccdc4be9\)](/article/262485d175764db19bd30918ccdc4be9)

IJSE Editor

International Journal of Science and Engineering (/toc/2086-5023). 2013;5(2) DOI 10.12777/ijse.5.2.i-v

(<https://doi.org/10.12777/ijse.5.2.i-v>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5659>)



Pitting Corrosion of Ni₃(Si,Ti)+2Cr Intermetallic Compound at Various Chloride Concentrations

(/article/277e74bc52f842ef8ccbf894667495f0)

Gadang Priyotomo, Pius Sebleku, Yasuyuki Kaneno

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(1):10-15 DOI

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/iise/article/view/6756>)



Strategy of Quality Improvement of Pond Shrimp Post Harvest Management (*Penaeus monodon*)

Fabricius) in Mahakam Delta (Case Study) (/article/27c535a17c4d43c8a7e129c2747de472)

Andi Noor Asikin, S. Hutabarat, Y. S. Darmanto, S. B. Prayitno

International Journal of Science and Engineering (/toc/2086-5023). 2012;3(2):15-20 DOI

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4065>)



Physico-Chemical Characterization Of Maluku Nutmeg Oil

(/article/27c5e57e04ab439b986fc4f052c9286c)

Ilyas Marzuki, Bintoro Joefrie, Sandra A. Aziz, Herdhata Agusta, Memen Surahman

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(1):61-64 DOI

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Instruction for Authors (/article/27cb04b3ae564be09a1220ecc3b26625)

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10.12777/ijse.5.1.63-64 (<https://doi.org/10.12777/ijse.5.1.63-64>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5331>)



Comparison of intelligent systems, artificial neural networks and neural fuzzy model for prediction of gas hydrate formation rate (/article/27e01b0fb24e4944b6926e506b996c2d)

Mohammad Javad Jalalnezhad, Mohammad Ranjbar, Amir Sarafi, Hossein Nezamabadi-Pour

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(1):35-40 DOI

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Subsurface Structure in Japan Based on P and S waves Travel Time Analysis Using Genetic Algorithm in Japan Seismological Network (/article/2828affbe3164468bb57907108c0beed)

A. M. Miftahul Huda, Bagus Jaya Santosa

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5762>)



[Aims and Scope \(/article/2a15a232c19b4497a68d635de8716c1e\)](#)

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Front Cover (/article/2b1861d94ace4ee0aa8de44a5ef830e5)

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Budiyono MSi

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(1) DOI 10.12777/ijse.8.1.0
(<https://doi.org/10.12777/ijse.8.1.0>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/8663>)



Corrosion Behavior of Ni₃(Si,Ti) + 2Mo in Hydrochloric Acid Solution

(/article/2ce076b9a0914fb9a98e29f91b3a3a7f)

Gadang Priyotomo, Pius Sebleku

International Journal of Science and Engineering (/toc/2086-5023). 2014;6(1):39-42 DOI

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Dual solutions for MHD stagnation-point flow of a nanofluid over a stretching surface with induced

magneticfield (/article/2e610d7fbc1c467bba8adbb5a9f3f0bf)

Sandeep Naramgari, Sulochana C

International Journal of Science and Engineering (/toc/2086-5023). 2015;9(1):1-8 DOI:

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/8705>)



Study of Biometric Identification Method Based on Naked Footprint

(/article/2e87a93b4c95460383815dcb9a8b066a)

Raji Rafiu King, Wang Xiaopeng

International Journal of Science and Engineering (/toc/2086-5023). 2013;5(2):29-35 DOI

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5511>)



The effect of geometric structure on stiffness and damping factor of wood applicable to machine tool

structure (/article/30b8afd42f8d40a999fc2c4486bb82f4)

Susilo Adi Widyanto, Achmad Widodo, Sri Nugroho, David Siahaan

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4511>)



Snap-Through Buckling Problem of Spherical Shell Structure

(/article/315df2f22eef4cdcad57ce89436ec2e1)

Sumirin Sumirin, Nuroji Nuroji, Sahari Besari

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/iise/article/view/6246>)



The impact of the local dairy cattle farm toward the river water quality in Gunungpati Subdistrict Central

Java (/article/326209706b654148a981b0ee7e3f1c5c)

E. Widiastuti, Kustono Kustono, Adiarto Adiarto, Nurliyani Nurliyani

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7955>)



Fabrication and Characterization of Polyimide-CNTs hybrid membrane to enhance high performance CO₂ separation (/article/3262cd3b2fcc47b6a0428caf57f561fb)

Tutuk Djoko Kusworo, Budiyono Budiyono, Ahmad Fauzi Ismail, Azeman Mustafa

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(2):115-119 DOI 10.12777/ijse.8.2.115-119 (<https://doi.org/10.12777/ijse.8.2.115-119>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/8480>)



Modelling of HTR (High Temperature Reactor) Pebble-Bed 10 MW to Determine Criticality as A Variations of Enrichment and Radius of the Fuel (Kernel) With the Monte Carlo Code MCNP4C (/article/346c7c1fa52245a8a55f2952d5d7a0db)

Hammam Oktajianto, Evi Setiawati, Very Richardina

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(1):42-46 DOI 10.12777/ijse.8.1.42-46 (<https://doi.org/10.12777/ijse.8.1.42-46>)

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Take Advantage of Wasteful Batang Hari Irrigation For Electricity Services Improvement
(/article/365adeae0f2540eb952abcaf8c0a92bc)

Bambang Istijono, Abdul Hakam

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(2):167-170 DOI 10.12777/ijse.8.2.167-170 (<https://doi.org/10.12777/ijse.8.2.167-170>)

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Soil Erosion Assessment of The Post-Coal Mining Site in Kutai Kartanegara District, East Kalimantan Province (/article/365d664b1848478fa6c0837c0cddc100)

Zulkarnain Zulkarnain

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(2):130-136 DOI 10.12777/ijse.7.2.130-136 (<https://doi.org/10.12777/ijse.7.2.130-136>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7265>)



Diethyl Ether Production Process with Various Catalyst Type (/article/378c59eea3a64509af6afda6c3b5d4b4)

Widayat, Achmad Roesyadi, Muhammad Rachimoellah

International Journal of Science and Engineering (/toc/2086-5023). 2013;4(1):6-10

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An Overview of Biocement Production from Microalgae ([/article/3888c2df70e2479c9cd073162929c8e8](#))
Dessy Ariyanti, Noer Abyor Handayani, Hadi Hadiyanto

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/iise/article/view/1265>)



Editorial (aims and scope, table of content, editorial board, preface)
(/article/38dd49d60ad4411b8c8af9242742d7ae)

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Assessment of Water Quality Using Macrobenthos as Bioindicator and Its Application on Abundance-Biomass Comparison (ABC) Curves (/article/390401912aff4d43b7bbb7cf235c96ea)

Suci Wulan Pawhestri, Jafron. W Hidayat, Sapto P Putro

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(2):84-87 DOI 10.12777/ijse.8.2.84-87 (<https://doi.org/10.12777/ijse.8.2.84-87>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7972>)



The Effect of Chrysonilia crassa Additive on Duodenal & Caecal Morphology, Bacterial & Fungal Number, and Productivity of Ayam Kampung (/article/3d82c5b0144144d08544cb3b10d93dbe)

Turrini Yudiarti, V. D. Yunianto B.I, R. Murwani, E. Kusdiyantini

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4177>)



Drying of Rosella (Hibiscus sabdariffa) Flower Petals using Solar Dryer with Double Glass Cover Collector (/article/3f97db6b471e46eb9a1ffdb1a14cfab7)

Tjukup Marnoto

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(2):150-154 DOI 10.12777/ijse.7.2.150-154 (<https://doi.org/10.12777/ijse.7.2.150-154>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7356>)



Fast Local Binary Patterns for Efficient Face Recognition

(/article/40bf485401a1437e998b907f9c1bd40e)

Mallikarjuna Rao G, Vijaya Kumari G, Babu G R, Rajesh Viswanadula

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Abstract | Full Text (<https://doi.org/10.14710/jitaa.%v.%i.87-92>)



Surface Morphology Study of Nanostructured Lead-Free Solder Alloy Sn-Ag-Cu Developed by Electrodeposition: Effect of Current Density Investigation

(/article/42781c64bca844fc8dc69836360b1dea)

Sakinah Mohd Yusof, Abdul Hadi, Junaidah Jai

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5592>)



Assessment of Nelumbo nucifera and Hydrilla verticillata in the treatment of pharmaceutical industry effluent from 24 Parganas, West Bengal (/article/42fb910066b04d8c9578ab2da1904d9f)

Shamba Chatterjee

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Moving Object Tracking and Avoidance Algorithm for Differential Driving AGV Based on Laser Measurement Technology (/article/4601499b16b04485b95a92eb8d27032d)

Pandu Sandi Pratama, Sang Kwun Jeong, Soon Sil Park, Sang Bong Kim

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4262>)



The Effect of King Grass Silage on the Nitrogen Balance and Hematological Profile of Ettawa Grade Male Goat (/article/47f89f8acf45482ca9645cb3ff90d69c)

S. Sunarso

International Journal of Science and Engineering (/toc/2086-5023). 2012;3(1):13-16 DOI

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Submission Information (/article/482468331564411aa5bc9189aa8cdbc3)

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/4221>)



The Nutrient Potency of Palm Oil Plantation and Mill's By-product Processed with Amofer Technology as Ruminant Feed ([/article/4a077474adb645e2805d5d4f5397caae](#))

Hamdi Mayulu

International Journal of Science and Engineering (/toc/2086-5023). 2014;6(2):112-116 DOI

10.12777/ijse.6.2.112-116 (<https://doi.org/10.12777/ijse.6.2.112-116>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/iise/article/view/6670>)



Front Cover (</article/4a0a7fe760c740ec87544b3b16eab40b>)

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Drying Spirulina with Foam Mat Drying at Medium Temperature

(/article/4c142535ad4448648d92015f678dbb93)

10.12777/ijse.5.1.31-34 (<https://doi.org/10.12777/ijse.5.1.31-34>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/5112>)



DEVELOPMENT OF JAPANESE QUAIL (*Coturnix coturnix japonica*) EMBRYO

(/article/54338da631b24d78929410ed6fa1a155)

Tyas Rini Saraswati, Silvana Tana

International Journal of Science and Engineering (/toc/2086-5023). 2015;8(1):38-41 DOI

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7935>)



Environmental Impact Assessment of a Flood Control Channel in Sfax City, Tunisia

(/article/544d3a486d7f42cfa254c6f9f054e850)

Noura Dahri, Abdelfattah Atoui, Habib Abida

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(1):23-29 DOI

10.12777/ijse.7.1.23-29 (<https://doi.org/10.12777/ijse.7.1.23-29>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/6882>)



Synthesis and Characterization of Nafion-SiO₂ Composite Membranes as an Electrolyte for Medium Temperature and Low Relative Humidity (/article/571f9ca2eefe4e76827a7ed0817deccc)

Mahreni Mahreni, Eniya Listiani Dewi, Tjukup Marnoto, Harso Pawignyo, Purwo Subagyo, Endang Sulistyowati

International Journal of Science and Engineering (/toc/2086-5023). 2011;2(2):48-53 DOI

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/1267>)



Sensitization of Xanthophylls-Chlorophyllin Mixtures on Titania Solar Cells

(/article/582f2d4447244cd89c930a7d67ee9863)

Indriana Kartini, L. Dwitasari, T. D. Wahyuningsih, Chotimah Chotimah, L. Wang

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Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/8231>)



Community Structure of Macrozoobenthos in Mangrove Ecosystem, Kutai National Park, East Kalimantan (/article/5833a4dada734394a9ecfe5e5b06d504)

Anugrah A Budiarsa, Samsul Rizal

International Journal of Science and Engineering (/toc/2086-5023). 2014;7(1):91-94 DOI

10.12777/ijse.7.1.91-94 (<https://doi.org/10.12777/ijse.7.1.91-94>)

Abstract | Full Text (<https://ejournal.undip.ac.id/index.php/ijse/article/view/7230>)



The effect of tofu cake as an additional feed on local male sheep's water consumption and their physiological response (/article/59464f68af864d3a8181ce0c4dc3cac6)

Wayan Sukarya Dilaga, R. Adiwinarti

International Journal of Science and Engineering (/toc/2086-5023). 2011;2(2):54-56 DOI

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AUTHORS

Dodik Tugasworo (Department of Neurology Faculty of Medicine, University of Diponegoro)

Dwi Pudjonarko (Department of Neurology Faculty of Medicine, University of Diponegoro)

Latifah Latifah (Department of Neurology Faculty of Medicine, University of Diponegoro)

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The thickness of the carotid artery intima media / intima-media thickness (IMT) is one of atherosclerosis markers. Atherosclerosis is one of the causes of ischemic stroke. Some studies suggest that low folate intake is predicted to affect the atherosclerotic process, but this remains controversial. Our objective is to analyze the relationship between folate intake with changes in the internal carotid artery IMT after ischemic stroke patients. The study is one group pretest posttest design with 72 post ischemic stroke subjects from neurology polyclinic of Kariadi Hospital, from June to December 2013. Folate intake was measured by Food Frequency Questionnaire and the internal carotid artery IMT by duplex ultrasonography. Measurements were taken at two periods with 6 months interval. Other factors that affect atherosclerosis consisting of age, obesity, hypertension, dyslipidemia, diabetes mellitus. The analysis in this study using Spearman correlation, chi-square and logistic regression. Result was significant if the p value were <0.05 . There were 44 male subjects (61.1%) and 28 female subjects (38.9%). The mean age was 61.6 (SD = 7.99) years. The mean intake of folate was 178.10 (SD = 38.875) mg / day. Median serum folic acid level 8.43 (4.96 to 55.01) NML / L. The mean change in ICA IMT was 0.10 (SD = 0.156) mm. Folate intake was not correlated with serum levels of folic acid. Serum folic acid levels are not correlated with changes in the internal carotid artery IMT. There was correlation between the risk factors of age, BMI, hypertension, diabetes and dyslipidemia with changes in the internal carotid artery IMT.

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