Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LPPM)
Institut Teknologi Adhi Tama Surabaya

Journal of Applied Sciences, Management and Engineering Technology

Volume 5, issue 1, Maret 2024

EFFECT OF WELDING CURRENT AND ELECTRODE MOVEMENT ON HAZ WIDTH AND HARDNESS OF TIG WELDED 304 STAINLESS STEEL
Albertus Nova Tomy Herdianto, Suheni, Afira Ainur Rosidah

ANALYSIS OF THE DESIGN OF CHANGING THE MAIN ENGINE FROM A DIESEL ENGINE TO AN ELECTRIC ENGINE ON A FISHING VESSEL
Dimitry Rizal, Erifive Pranatal

NUMERICAL AND EXPERIMENTAL STUDY OF THE HYBRID SAVONIUS - DARRIEUS 3 BLADE WITH NACA 4418 AIRFOIL
Tri Vicca Kusumadewi, William Mikael, Atok Setiyawan, Fungky Dyan

MARINE GROWTH RATE PREDICTION OF WELLHEAD OFFSHORE PLATFORM
Muammar Kadhafi, Wira Herucakra, Sholeh Khuddin Abdullah, Wahyu Suryo Putra

ANALYSIS OF COASTAL ABRASION RATE OF LAHA VILLAGE AMBON CITY USING SATELLITE DATA
Zulfikri Samallo, Warniyati, Tri Octaviani Sihombing, Monica R. Tutkey

INVESTIGATION OF CORROSION RESISTANCE OF REINFORCED CONCRETE STRUCTURES WITH VARYING SUPPLEMENTARY CEMENTITIOUS MATERIALS IN MARINE INFRASTRUCTURE
Aisyah Dwi Puspasari, Indra Komara, Hendry Setyawan, Tri Susilo

POLYEUGENOL SULFONATE AND TIO2 MIXED MEMBRANES FOR DIRECT METHANOL FUEL CELLS
Eka Cahya Muliawati

https://ejournal.itats.ac.id/jasmet

ISSN: 2721-2165

J A S M E T

Journal of Applied Sciences, Management and Engineering Technology

YAYASAN PENDIDIKAN TEKNIK SURABAYA (Y P T S)

INSTITUT TEKNOLOGI ADHI TAMA SURABAYA (I T A T S)

Redaction chief:
Diah Listyaningsih, S.T., M.T

Internal reviewer (ITATS):
Dr. Rony Prabowo, S.E, S.T, M.T, M..SM
I Putu Andhi Indira Kusuma, S.T, M.S., Ph.D
Dr. Yustia Wulandari Mirzayanti, ST., MT
Feri Harianto, S.T., M.T
Frizka Vietanti, ST., MT., M.Sc

External reviewer:
Dr. Asdam Tambusay, M.T
(Institut Teknologi Sepuluh Nopember)
Dr. Wahyuniarsih Sutrisno, S.T., M.T
(Institut Teknologi Sepuluh Nopember)
Mavindra Ramadhani, S.T., M.T.
(Institut Teknologi Sepuluh Nopember)
Gati Annisa H, MT, MSc
(Universitas Pertamina)
M. Tauhidul Islam Ph.D
(Research Fellow, Pilot Plant, and Process Development Center, Bangladesh Council of Scientific and Industrial Research- Bangladesh)
Muhammad Aldila Syariz,
(National Cheng Kung University-Taiwan)
Vuri Ayu Setyowati
(Osaka University-Japan)
Fajar Rizki Widiatmoko, S.T., M.Sc
(National Dong Hwa University-Taiwan)

Editorial Member:
Dr. Ir. Indra Komara, ST., MT *(Institut Teknologi Adhi Tama Surabaya)*
Erifive Pranatal, ST., MT *(Institut Teknologi Adhi Tama Surabaya)*
Afira Ainur Rosidah, S.T, M.S *(Institut Teknologi Adhi Tama Surabaya)*
Norita Prasetya Wardhani, S.Pd. M.Pd (*Institut Teknologi Adhi Tama Surabaya)*
Oryza Lhara Sari, S.T., M.T *(Institut Teknologi Kalimantan)*
Nurina Kurniasari Rahmawati *(STKIP Kusuma Negara Jakarta)*
Siti Fariya, ST., MT, Ph.D *(Strathclyde of University)*

Editorial address:
Lembaga Penelitian dan Pengabdian pada Masyarakat (LPPM)Institut Teknologi Adhi Tama Surabaya (ITATS)
Jl. Arief Rachman Hakim 100 Surabaya (60117) Telp. (+62-31) 5995537
jasmet.journal@itats.ac.id

List of Content

EFFECT OF WELDING CURRENT AND ELECTRODE MOVEMENT ON HAZ WIDTH AND HARDNESS OF TIG WELDED 304 STAINLESS STEEL Albertus Nova Tomy Herdianto, Suheni, Afira Ainur Rosidah	1-6
ANALYSIS OF THE DESIGN OF CHANGING THE MAIN ENGINE FROM A DIESEL ENGINE TO AN ELECTRIC ENGINE ON A FISHING VESSEL Dimitry Rizal, Erifive Pranatal	7-17
NUMERICAL AND EXPERIMENTAL STUDY OF THE HYBRID SAVONIUS - DARRIEUS 3 BLADE WITH NACA 4418 AIRFOIL Tri Vicca Kusumadewi, William Mikael, Atok Setiyawan, Fungky Dyan	18-26
MARINE GROWTH RATE PREDICTION OF WELLHEAD OFFSHORE PLATFORM Muammar Kadhafi, Wira Herucakra, Sholeh Khuddin Abdullah, Wahyu Suryo Putra	27-31
ANALYSIS OF COASTAL ABRASION RATE OF LAHA VILLAGE AMBON CITY USING SATELLITE DATA Zulfikri Samallo, Warniyati, Tri Octaviani Sihombing, Monica R. Tutkey	31-40
INVESTIGATION OF CORROSION RESISTANCE OF REINFORCED CONCRETE STRUCTURES WITH VARYING SUPPLEMENTARY CEMENTITIOUS MATERIALS IN MARINE INFRASTRUCTURE Aisyah Dwi Puspasari, Indra Komara, Hendry Setyawan, Tri Susilo	41-48
POLYEUGENOL SULFONATE AND TIO2 MIXED MEMBRANES FOR DIRECT METHANOL FUEL CELLS Eka Cahya Muliawati	49-57

JOURNAL OF APPLIED SCIENCES,
MANAGEMENT AND ENGINEERING
TECHNOLOGY
address:
LPPM-ITATS
Jl. Arief Rachman Hakim 100 Surabaya
Phone/Fax: +62-31-5997244
jasmet.journal@itats.ac.id

https://ejournal.itats.ac.id/jasmet

ISSN: 2721-2165