Lembaga Penelitian dan Pengabdian Pada Masyarakat (LPPM)
INSTITUT TEKNOLOGI ADHI TAMA SURABAYA (ITATS)

JURNAL IPTEK
MEDIA KOMUNIKASI TEKNOLOGI

The Mechanical Properties and Microstructure Analysis of Carbon Structural Steel After Quenching in Circulated Water Medium
Afira Ainur Rosidah, Vuri Ayu Setyowati, Suheni, Muhamad Febrianto

Experimental Study of Cellulose Extraction From Oil Palm Empty Fruits Bunches
Zulnazri, Muhammad Ikhwanul Adha, Rozana Dewi

The Effect of Using Styrofoam As Additional Material For Asphalt Concrete Layer (Laston) – WC With BNA BLE
Arintha ID Syafiarti, Fadlil J. Aslim, Gati S. Utami, Ratih Sekartadji

De Stijl Style Board Design of Waste Processing of HDPE and LDPE Plastic Bags
Ningroom Adiani, Andina Rizky Fitri

Spatial Distribution of Chromium Metal in Water and Sediment in the Berbek Industrial Area, Sidoarjo Regency
Listin Fitrianah, Agus Rachmad Purnama

Soil Improvement Planning Combination of Preloading and Stone Column (Case Study) in Sidorukun District, Gresik, Jawa Timur
Dewi Kusumaningrum, Gati Sri Utami, Johan Catur Atmaja

Tansesterification of Kesambi Seed Oil (*Schleicher oleosa* L) With Zinc Oxide Catalyst (ZnO) Supported with Multi-Wall Carbon Nanotubes (MWCNTs)
N.chasanah, N.P Asri

Identification of Mengkarang Isoclinal Folds Against the Effect of Sumatran Fault Force in Air Batu Village and Surrounding Merangin Jambi Geopark
Magdalena Ritonga, Tobi Prayoga

Packaging Design For Educational Toys Bornea Toys With Mega-Pack & Well-Organized Concept
Christin Mardiana, Trianata Pahlevy

Jurnal IPTEK	Vol. 26	Iss. 1	Surabaya, May 2022	ISSN: 1411-7010 e-ISSN: 2477-507X

JURNAL IPTEK

MEDIA KOMUNIKASI TEKNOLOGI

Editor-in-Chief
Syamsuri, ST., MT., Ph.D

Deputy Editor
Dr. Yustia Wulandari Mirzayanti, ST., MT

INTERNAL - REVIEWER (ITATS)
Achmad Chusnun Ni'am, S.Si., MT., Ph.D
Dr. Eng. Mohamad Ferdaus Noor Aulady, ST., MT., M.Sc
Dr. Agus Budianto, ST., MT
Dr. Ir. Minto Basuki, MT
Anindya Rachma Dwicahyani, ST., MT
Budanis Dwi Meilani, ST., M.Kom
Desmas Arifianto Patriawan, S.ST., MT
Rinci Kembang Hapsari, S.Si., M.Kom
Tutuk Indriyani, ST., M.Kom
Wahyu Setyo Pambudi, ST., MT

EXTERNAL REVIEWER
Prof.Dr.Ir. Achmadi Susilo, MS.,
Universitas Wijaya Kusuma Surabaya, Indonesia

Prof. Dr. Elizabeth Titiek Winanti, M.S.,
Universitas Negeri Surabaya, Indonesia

Prof. Dr. Ir. Nyoman Puspa Asri, M.S.,
Univeritas WR Supratman, Indonesia

Dr. Abdul Ghofur, MT.,
Universitas Lambung Mangkurat, Indonesia

Dedy Zulhidayat Noor, ST., MT., Ph.D,
Institut Teknologi Sepuluh Nopember Surabaya, Indonesia

Hasan Syafik Maulana, ST., M.Sc,
National Taiwan University of Science and Technology,
Taiwan, Province of China

Fajar Rizki Widiatmoko, ST., M.Sc,
National Dong Hwa University, Taiwan, Province of China

Mujtahid Kaavessina, S.T., M.T., Ph.D,
Sebelas Maret University, Indonesia

Vuri Ayu Setyowati, ST., M.Sc,
Osaka University, Japan

INTERNAL EDITOR - ITATS
Nanang Fakhrur Rozi, S.ST., M.Kom
Hastawati Chrisna Suroso, ST., M.Sc
Isa Albanna,S.Si., M.Si
Talent Nia Pramestyawati, ST., MT
Adib Pakarbudi, S.Kom., M.Kom

EXTERNAL EDITOR
Eriek Wahyu Restu Widodo, S.Si., M.T
(Shipbuilding Institute of Polytechnic Surabaya (SHIPS)-PPNS)
Dr. Erwin ST., MT
Universitas Sultan Ageng Tirtayasa
Yushintia Pramitarini, S.ST, M.T
Hongik University, South Korea

Mailing Address
Lembaga Penelitian dan Pengabdian kepada Masyarakat
Gedung A 1st floor, ITATS
Jl. Arief Rachman Hakim 100
Surabaya 60117
Email: iptek.journal@itats.ac.id

YAYASAN
PENDIDIKAN TEKNIK
SURABAYA
(Y P T S)

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

Teknik Sipil

Teknik Mesin

Teknik Elektro

Teknik Arsitektur

Teknik Informatika

Teknik Industri

Teknik Kimia

Teknik Lingkungan

Teknik Pertambangan

Desain Produk

Sistem Informasi

Metadata :

Similarity Check :

Jurnal IPTEK - Media Komunikasi Teknologi,
published periodically twice a year
in May and December

JURNAL
I P T E K

Volume 26 Issue 1 May 2022

1. **The Mechanical Properties and Microstructure Analysis of Carbon Structural Steel After Quenching in Circulated Water Medium**
Afira Ainur Rosidah, Vuri Ayu Setyowati, Suheni, Muhamad Febrianto 1–6
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.1933

2. **Experimental Study of Cellulose Extraction From Oil Palm Empty Fruits Bunches**
Zulnazri, Muhammad Ikhwanul Adha, Rozana Dewi 7–14
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.2353

3. **The Effect of Using Styrofoam As Additional Material For Asphalt Concrete Layer (Laston) – WC With BNA BLE**
Arintha ID Syafiarti, Fadlil J. Aslim, Gati S. Utami, Ratih Sekartadji 15–22
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.2433

4. **De Stijl Style Board Design of Waste Processing of HDPE and LDPE Plastic Bags**
Ningroom Adiani, Andina Rizky Fitri 23–31
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.2951

5. **Spatial Distribution of Chromium Metal in Water and Sediment in the Berbek Industrial Area, Sidoarjo Regency**
Listin Fitrianah, Agus Rachmad Purnama 33–40
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.2966

6. **Transesterification of Kesambi Seed Oil (*Schleicher oleosa L*) With Zinc Oxide Catalyst (ZnO) Supported with Multi-Wall Carbon Nanotubes (MWCNTs)**
N.chasanah, N.P Asri 41–49
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.2967

7. **Identification of Mengkarang Isoclinal Folds Against the Effect of Sumatran Fault Force in Air Batu Village and Surrounding Merangin Jambi Geopark**
Magdalena Ritonga, Tobi Prayoga 51–58
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.2999

8. **Packaging Design For Educational Toys Bornea Toys With Mega-Pack & Well-Organized Concept**
Christin Mardiana, Trianata Pahlevy 59–66
https://dx.doi.org/10.31284/j.iptek.2022.v26i1.3009

JURNAL
I P T E K

Volume 26 Issue 1 May 2022

AUTHOR AFFILIATION

The Mechanical Properties and Microstructure Analysis of Carbon Structural Steel After Quenching in Circulated Water Medium
Afira Ainur Rosidah[1], Vuri Ayu Setyowati[2], Suheni[3], Muhamad Febrianto[4]
[1,2,3,4]Department of Mechanical Engineering, Institut Teknologi Adhi Tama Surabaya, Indonesia

Experimental Study of Cellulose Extraction From Oil Palm Empty Fruits Bunches
Zulnazri[1], Muhammad Ikhwanul Adha[2], Rozana Dewi[3]
[1,2,3]Chemichal Engineering, Malikussaleh University

The Effect of Using Styrofoam As Additional Material For Asphalt Concrete Layer (Laston) – WC With BNA BLE
Arintha ID Syafiarti[1], Fadlil J. Aslim.[2], Gati S. Utami[3], Ratih Sekartadji[4]
[1,2,3,4]Institut Teknologi Adhi Tama Surabaya

De Stijl Style Board Design of Waste Processing of HDPE and LDPE Plastic Bags
Ningroom Adiani[1],Andina Rizky Fitri[2]
[1,2]Institut Teknologi Adhi Tama Surabaya

Spatial Distribution of Chromium Metal in Water and Sediment in the Berbek Industrial Area, Sidoarjo Regency
Listin Fitrianah[1], Agus Rachmad Purnama[2]
[1]Environmental Engineering Department, Universitas Nahdlatul Ulama Sidoarjo, Indonesia, [2]Industrial Engineering Department, Universitas Nahdlatul Ulama Sidoarjo, Indonesia

Transesterification of Kesambi Seed Oil (*Schleicher oleosa L*) With Zinc Oxide Catalyst (ZnO) Supported with Multi-Wall Carbon Nanotubes (MWCNTs)
N.chasanah[1] , N.P Asri[2]
[1,2]Chemical Enginering Departement University of WR. Supratman Surabaya, Indonesia

Identification of Mengkarang Isoclinal Folds Against the Effect of Sumatran Fault Force in Air Batu Village and Surrounding Merangin Jambi Geopark
Magdalena Ritonga[1]*, Tobi Prayoga[2]
[1,2]Geological Engineering Department, Jambi University

Packaging Design For Educational Toys Bornea Toys With Mega-Pack & Well-Organized Concept
Christin Mardiana[1] , Trianata Pahlevy[2]
[1,2]Product Design, Institut Teknologi Adhi Tama Surabaya

JURNAL IPTEK

Alamat Redaksi:

LPPM - ITATS

Jl. Arief Rachman Hakim 100 Surabaya 60117

Telp/fax: 031-5997244

http://ejurnal.itats.ac.id/index.php/iptek