



ISSN : 2088-5784
E-ISSN : 2620-9675

Jurnal Ilmiah

TEKNOBIZ

Vol. 16 No.2 Juli 2026

Program Studi Magister Teknik Mesin

- INFLUENCE OF ELECTRODE TYPE ON THE MECHANICAL PROPERTIES OF THE RESULT AISI 1018 STEEL SMAW WELDING
- AERODYNAMIC ANALYSIS OF WIND DEFLECTOR DESIGN ON PICK UP BOX CARS BASED ON CFD
- MODELING OF THE WORKING MECHANISM OF THE TRUCK DRYER SYSTEM 130 PS IN SIMULINK-BASED OVERLOAD CONDITIONS
- ANALYSIS OF THE EFFECT OF ELECTRODE TYPE VARIATION AND PWHT TEMPERATURE VARIATION ON SMAW WELDING ON THE IMPACT STRENGTH AND BENDING OF ST 42 STEEL
- ANALYTICAL STUDY OF BABY BED DESIGN WITH ERGONOMICS AND SAFETY STANDARDS APPROACH
- Performance Analysis of a Thermoelectric Generator (TEG) Integrated into a Biomass Stove Using a Continuous Cooling System
- Design of 500 Kg Capacity Material Handling to Support the Assembly Process at PT. XYZ Using the VDI 2221 Method
- Analysis Characteristics Refuse Derived Fuel (RDF) briquettes from Mixture Rice Straw and Cardboard Waste with Variation Ratio Material as Energy Alternative
- Semi Auto Work Aids (Jig) Manufacturing to Improve the Consistency of Crimping Cable Product Quality
- OPTIMIZATION OF SUSPENSION SYSTEM RE-DESIGN ON MINI STRUCTURES BUSES USING SIMULINK FACILITIES

Jurnal Ilmiah
TEKNOBIZ

Vol. 16

No. 2

Hlm. 82 – 157

Jakarta, Juli 2026

ISSN 2088-5784
E-ISSN 2620-9675

JURNAL ILMIAH MAGISTER TEKNIK MESIN
FAKULTAS TEKNIK UNIVERSITAS PANCASILA

SUSUNAN REDAKSI

1. Pelindung : Dekan Fakultas Teknik Universitas Pancasila
 2. Penanggung Jawab : Ketua Program Studi Magister Teknik Mesin
 3. Pimpinan Redaksi : – Abid Fahreza Alphanoda
 4. Dewan Redaksi : – La Ode Mohammad Firman
– Djoko Wahyu Karmiadi
– Muhammad Hilmy Alfaruqi
– Muji Setiyo
– Wong Wai Yin
– Reza Abdu Rahman
– Ari Wibowo
 5. Mitra Bestari : – Ismail
– Bambang Hari Priambodo (Universitas Gajah Mada)
– Yani Kurniawan
– Adi Surjosatyo (Universitas Indonesia)
– Agustinus Purna Irawan (Universitas Tarumanegara)
– Susanto Sudiro
– Dwi Rahmalina
– Agri Suwandi
– Dede Lia Zariatini
- Ketua : – Abid Fahreza Alphanoda
- Anggota : – Angga Priyan Permadi
– Juliana
-
7. Sekretariat : Program Studi Magister Teknik Mesin Universitas Pancasila
 8. Alamat Redaksi : Srengseng Sawah, Jagakarsa, Jakarta 12640

Tlp./Fax : 021-7864730 / 021-7270128

Email : magister.teknikmesin@univpancasila.ac.id

Diterbitkan 3 (tiga) kali dalam 1 (satu) tahun pada bulan **Maret, Juli, dan November**. Redaktur mengundang para penulis dan peneliti untuk mengirimkan artikel ilmiah maupun hasil penelitiannya ke jurnal ilmiah **Teknobiz**.

Redaksi berhak menentukan dimuat atau tidaknya suatu naskah dan mengedit atau memperbaiki tulisan yang akan dimuat sepanjang tidak mengurangi maksud dan substansinya.

Naskah yang tidak dimuat akan dikembalikan kepada penulisnya.

Percetakan

.....
(isi di luar tanggung jawab percetakan)

Penerbit

Pusat Pengabdian Kepada Masyarakat
Fakultas Teknik Universitas Pancasila

Cover: Desain cover oleh redaksi



Jurnal Ilmiah

TEKNOBI

Daftar Isi

1. INFLUENCE OF ELECTRODE TYPE ON THE MECHANICAL PROPERTIES OF THE RESULT AISI 1018 STEEL SMAW WELDING Deny Wakhyudi, Kisto	82 - 86
2. AERODYNAMIC ANALYSIS OF WIND DEFLECTOR DESIGN ON PICK UP BOX CARS BASED ON CFD Imam Krismunandar, Oktarina Heriyani	87 - 93
3. MODELING OF THE WORKING MECHANISM OF THE TRUCK DRYER SYSTEM 130 PS IN SIMULINK-BASED OVERLOAD CONDITIONS Herawati Indah, Dede Lia Zariatn	94 - 98
4. ANALYSIS OF THE EFFECT OF ELECTRODE TYPE VARIATION AND PWHT TEMPERATURE VARIATION ON SMAW WELDING ON THE IMPACT STRENGTH AND BENDING OF ST 42 STEEL Muhammad Agung Nadjmi Nasution, Kisto	99 - 109
5. ANALYTICAL STUDY OF BABY BED DESIGN WITH ERGONOMICS AND SAFETY STANDARDS APPROACH Nurkim, Susanto Sudiro	110 - 117
6. Performance Analysis of a Thermoelectric Generator (TEG) Integrated into a Biomass Stove Using a Continuous Cooling System Hulam Darojati, Imron Rosyadi, Ni Ketut Caturwati, Hery Try Waloyo	118 - 124
7. Design of 500 Kg Capacity Material Handling to Support the Assembly Process at PT. XYZ Using the VDI 2221 Method Fredericus Prijo S, Aditya Nugraha, Hermawan Budi P, Didan Bima Prakosa	125 - 131
8. Analysis Characteristics Refuse Derived Fuel (RDF) briquettes from Mixture Rice Straw and Cardboard Waste with Variation Ratio Material as Energy Alternative LD Muhammad Raldi, Setia Damayanti, La Ode Mohammad Firman	132 - 142
9. Semi Auto Work Aids (Jig) Manufacturing to Improve the Consistency of Crimping Cable Product Quality Jantri Wadi Ritonga, Budhi M. Suyitno, Susanto Sudiro	143 - 148
10. OPTIMIZATION OF SUSPENSION SYSTEM RE-DESIGN ON MINI STRUCTURES BUSES USING SIMULINK FACILITIES Cep Yudi Hamdani, Yohanes Dewanto	149 - 157