

JIT Editorial Boards

Patron

Prof. Suharno, M.S., M.Sc., Ph.D., IPU - (SCOPUS ID: 56100133200) Universitas Lampung
Dr. Ari Sandyavitri (SCOPUS ID: 55980455600) Universitas Riau

Editor-in-Chief

Irza Sukmana, M.T., Ph.D - (SCOPUS ID: 35757952700) Universitas Lampung

Managing Editor

Sapta Nugraha - (SCOPUS ID: 14069173600) Universitas Maritim Raja Ali Haji

Dewan Editor

Prof. Dr.Eng. Ir. Gunawarman, M.T. - (SCOPUS ID: 7409839262) Universitas Andalas
Denni Kurniawan, [SCOPUS ID: 24724455500] Universiti Teknologi Brunei, Gadong,
Brunei Darussalam

Prof. Dr. Edy Saputra, S.T., M.T. (SCOPUS ID: 36684331300), Universitas Riau
Alfirano, M.T., Ph.D - (SCOPUS ID: 36448171100) Universitas Sultan Ageng Tirtayasa

Dr. Gusta Gunawan, M.T. - (SCOPUS ID: 55836697800) Universitas Bengkulu

Prof. Dr. Ir. Hj. Sri Haryati, DEA. - (SCOPUS ID: 57196393767) Universitas Sriwijaya

Ir. Insannul Kamil, M.Eng., Ph.D - (SCOPUS ID: 56149407000) Universitas Andalas

Dr. Misfa Susanto – (Scopus Author ID: 55820056300), Universitas Lampung

Dr. Helmizar – (SINTA ID: 6645761), Universitas Bengkulu

Waleed Mugahed Al-Rahmi, (SCOPUS ID: 56089640600) Universiti Teknologi Malaysia,
Skudai, Malaysia

IT Support

Mr Afri Yudamson, Universitas Lampung, Bandar Lampung, Indonesia

Hery Dian Septama, Universitas Lampung, Bandar Lampung, Indonesia

Adi Prana Dipa, Universitas Maritim Raja Ali Haji, Tanjungpinang, Indonesia

Fauzi Ibrahim, Faculty of Engineering, Universitas Lampung, Bandar Lampung, Indonesia

JIT Editorial Office

Fakultas Teknik Universitas Lampung; Jl. Prof. Dr. Sumantri Brojonegoro No. 1
Gd. A Fakultas Teknik; Bandar Lampung, 35145, INDONESIA.
Telp./Facs: +62 721 704947; Direct call/WA: +62 811-7747-774
Website ://ojs.umrah.ac.id/index.php/jit; Email: jit.bksptn@gmail.com

PREFACE

This is the inaugural edition of JIT: Journal of Innovation and Technology, published by Engineering Forum of Western Indonesian Government Universities Board (Forum Teknik, BKS-PTN Wilayah Barat) Indonesia. Highlighting on the current growth in the field of engineering and innovation technology field. JIT committed to contribute for our academic and research competitiveness and sustainable development.

Journal of Innovation and Technology aims to publish original research articles and critical review manuscript of included topics, but not limited to: Mechanical and Manufacturing, Industrial Engineering, Chemical and Environmental Engineering, Computer and Information Technology, Electrical and Telecommunication, Materials and Mining, Civil and Geodetic Engineering, Architecture and Urban Planning, Geophysical Science and Engineering, Physics Science and Engineering, Mathematics and Applied Sciences, Medical Science and Biomedical Engineering, Food Science and Agricultural Engineering, Science Innovation and Interdisciplinary Engineering research.

We are committed on increasing the quality of the papers through a fruitful peer-review based on the originality, impact, novelty, and the relevance to aim and scope of JIT. The published papers in this inaugural edition provides 8 research articles in the engineering and innovation technology areas.

On behalf of Editorial Boards, we would like to thanks all authors, reviewers, and contributors that make this inaugural issue published. We are looking forward to receive more articles in the next following issues.

Best regards,

JIT Editorial Team

Table of Content

JIT Editorial Boards		ii
Preface		iii
Table of Content		iv
Article 1	Extraction of Phenol Compounds in the Liquid Smoke by Pyrolysis of Oil Palm Fronds <i>Seri Maulina, Nurtahara</i>	1-4
Article 2	Analysis of Fairness Limit on Fuel Oil Consumption of Two-Tail Test Based Excavator and Dump Truck a Case Study in PT FK <i>Bella Puspa Octaviani, Supriyadi, Ambran Hartono</i>	5-10
Article 3	Initial Design of Forging Measuring Instrument for Application of Friction Welding <i>Bagus Muhammad Fauzi, Irza Sukmana, Yanuar Burhanuddin</i>	11-15
Article 4	Utilizing of Bentonit and Hybrid UF-RO in Treatment of Pulp Industry Wastewater <i>Subriyer Nasir, Silvester Chrisya Andira, Vera Dona</i>	16-20
Article 5	Applying Improved Apriori Algorithm in Figuring out the Relation between Weather Factors and Rainfall <i>Siti Zulaikha¹, Martaleli Bettiza, Nola Ritha</i>	21-25
Article 6	Applying Augmented Reality-Based Fun Book Technology (Round Table Learning Media) for Teaching-Learning of Coastal Community <i>Muhammad Bayu Purnama, Zayus Rifan Zafarani, Sapta Nugraha</i>	26-32
Article 7	Development of Hydroxyapatite-Based Bioceramic Hardness Model Based on Variations in Synthesis Conditions <i>Fitri Afriani, Yuant Tiandho</i>	33-38
Article 8	Managing an Environmental-Friendly Coal Mining Wastewater Processing <i>Muhammad Naswir, Ria Purnama Sari, Rosyani</i>	39-47