

e-ISSN : 2721-8562
p-ISSN : 2721-8570

Volume 2, Issue 2, October 2021



Journal of
**Innovation and
Technology**

Journal of Innovation and Technology

Publisher :

Forum Teknik
BKS PTN Wilayah Barat
Indonesia

JIT Editorial Boards

Patron

Prof. Suharno, M.S., M.Sc., Ph.D., IPU, - (SCOPUS ID: 56100133200) Universitas Lampung
Prof. Dr. Ari Sandyavitri, - (SCOPUS ID: 55980455600) Universitas Riau
Dr. R. M. Rustamaji, - (SINTA ID : 6036130) Universitas Tanjungpura

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
Dr. 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

Afri Yudamson, Universitas Lampung
Hery Dian Septama, Universitas Lampung
Adi Prana Dipa, Universitas Maritim Raja Ali Haji
Fauzi Ibrahim, Universitas Lampung

PREFACE

Journal of Innovation and Technology (JIT) Volume 2 Issue 2, October 2021 consist of 4 original articles and 2 review paper from various Engineering fields, they are including: Civil Engineering, Geophysical Engineering, Industrial Engineering, Information and Technology, and Aviation engineering research.

JIT 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. We would like to invite lecturer, post graduate students, scientist, researchers and industrial pactions to submit their recent funding and results in the field of engineering, technology application and research innovations.

We thanks to all authors, reviewers, and BKS PTN Barat team for the contribution and supports. 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	Correlation of Permeability Coefficient and Coefficient of Consolidation in Pontianak City's Soft Soil <i>Ludgerus, Ahmad Faisal, R M Rustamaji</i>	34-39
Article 2	Proposed Improvement on Supply Chain System to Minimize the Bullwhip Effect Phenomenon with Monte Carlo Simulation Approach <i>Dyah Lintang Trenggonowati, Maria Ulfah, Asep Ridwan, Rasie Arthafia</i>	40-45
Article 3	Design of Photovoltaic as Energy Source at Government Office in Pangkalpinang <i>Ahmad Ferdiansyah, Ghiri Basuki Putra, Wahri Sunanda</i>	46-49
Article 4	Estimation of Potential Gold Mineral (Au) with A Resistivity Approach <i>Akroma Hidayatika, Arif P Prabowo, S Rasimeng, Medi K Putri, Suharno</i>	50-53
Article 5	Development of Roadmap for the Aircraft Maintenance Industry, Maintenance Repair and Overhaul in Indonesia <i>Freddy Franciscus</i>	54-59
Article 6	Digital Twin Technology in Internet of Things (IOT) <i>Anitha Vemulapalli, Geeta Mahadeo Ambildhuke, N Anuradha</i>	60-63