

E-ISSN : 2715-6958
P-ISSN : 2721-5342

Volume 5, Issue 2, December 2023

AVIA

International Journal of **Aviation Science and Engineering**

Publisher

Faculty of Mechanical and Aerospace Engineering
Institut Teknologi Bandung, Indonesia

AVIA Editorial Boards

Editor in Chief

Taufiq Mulyanto, [SCOPUS ID : 35234289500] Institut Teknologi Bandung, Indonesia

Managing Editor

Khairul Ummah, [SINTA ID : 6676442], Institut Teknologi Bandung, Bandung, Indonesia

Editor

Rachid Kadouche, [SCOPUS ID: 56024094300] University of Sherbrooke, QC – Canada

Joy Rizki Pangestu Djuansjah, [SCOPUS ID: 25936213100] Al-Imam Muhammad Ibn Saud Islamic University, Saudi Arabia

Djarot Widagdo, [SCOPUS ID :6504366673] Institut Teknologi Bandung, Indonesia

Behzad Fotovati, [SCOPUS ID : 57201686502] University of Memphis, TN – United States

Ainul Ghurri, [SCOPUS ID: 40461353600] Udayana University, Bali, Indonesia

Firman Hartono, [SCOPUS ID : 56966719000] Institut Teknologi Bandung, Bandung, Indonesia

Denni Kurniawan, [SCOPUS ID : 24724455500] Universiti Teknologi Brunei, Brunei Darussalam

IT Support

Christian Reyner, Institut Teknologi Bandung, Indonesia

Fauzi Ibrahim, Universitas Lampung, Indonesia

AVIA Editorial Office

DOPP Research Group FTMD – ITB Labtek II, 2nd Floor, Jl. E-ITB / Jl. Ganesha 10, Bandung, 40132, Indonesia

Phone : +62 812-2025-786 | Fax : +62-22-2534099 | Website : www.ftmd.itb.ac.id | E-mail : avia@ftmd.itb.ac.id

PREFACE

We congratulate authors the publication of this Volume 5 Issue 2, December 2023. In this issue, we highlight research finding in the field of aerospace science and other general engineering fields. AVIA aims to solicit recent finding of research scopes of aviation sciences and technology, aerospace engineering, and all general engineering fields.

This edition consists of five scientific articles, coming from multiple contributing institutions from various countries.

AVIA Editorial office would like to thanks all authors, reviewers, and contributors for the continuous support and attention. We are looking forward to receive more articles in the next following issues.

Best regards,

AVIA Editorial Bord

Table of Content

AVIA Editorial Boards		ii
Preface		iii
Table of Content		iv
Article 1	The Role Of Flight Test Data Analysis In Development Flight Testing <i>M Khasyofi</i> doi: 10.47355/AVIA.V5I2.86	46
Article 2	Clustering and BiLSTM Network for Aircraft Trajectory Prediction Model <i>Javen Sembiring, M Ariq Fauzan, Khairul Ummah, Fadil Hamdani, Joy R P Djuansjah</i> doi: 10.47355/AVIA.V5I2.89	52
Article 3	Conceptual Design of Moon Lander Spacecraft <i>alexander kevin, A Ramadhana, D C X Pardede, S F Koswara, J Abednego, R E Poetro, L Fathurrohlim</i> doi: 10.47355/AVIA.V5I2.92	61
Article 4	Preliminary Design of a 6-Seater Electric Aircraft <i>C Chandra, M Khan, T Putri, W Alexsoh, M A Moelyadi, E Amalia</i> doi: 10.47355/AVIA.V5I2.93	76
Article 5	Conceptual Design of a 10-Seater Electric Aircraft <i>A Marcell, F Limor, J F Humairah, M D T Z Baniz, Taufiq Mulyanto</i> doi: 10.47355/AVIA.V5I2.94	91