

# Publications of JKM's Academic Staff for Year 2020

## Journal Publications 2020

NO	STAFF NAME	AUTHORS	DOCUMENT TITLE	SOURCE TITLE	VOLUME	ISSUE	PAGE START	PAGE END	INDEX
1	Khisbullah Hudha	Khisbullah Hudha, Zulkiffli Abd Kadir, Noor Hafizah Amer, Muhammad Luqman Hakim Abd Rahman, Shohaimi Abdullah	Modelling and validation of magneto-rheological fluid damper behaviour under impact loading using interpolated multiple adaptive neuro-fuzzy inference system	Multidiscipline Modeling in Materials and Structures	16	6	1395	1415	Scopus
2	Norzazan Abd Rahim	N. Norzaima, M. R. A. Rahman, M. S. R. Nasir	Performances of Jatropa and Waste Cooking Oil Biodiesel Blends Fuel Combustion using Diesel Engine	International Journal of Integrated Engineering	12	5	130	136	Scopus
3	Mohd Rosdzimin bin Abdul Rahman	Muhamad Jalani Aiman, Nur Izzati Ismail, Mohd Rashdan Saad, Yasutaka Imai, Shuichi Nagata, Mohd Kamarul Huda Samion, Ernie Abd Manan	Study on Shape Geometry of Floating Oscillating Water Column Wave Energy Converter for Low Heave Wave Condition	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	70	2	124	134	Scopus
4	Mohd Rosdzimin bin Abdul Rahman	Mohamad Muslihuiddin Razali, Zaitul Nadiah Mohamad, Hasan Mohd Faizal Izal, Norhayati Ahmad, Mohd Rosdzimin Abdul Rahman, Md Mizanur	Torrefaction of Briquettes Made of Palm Kernel Shell with Mixture of Starch and Water as Binder	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	70	2	21	36	Scopus
5	Mohd Rosdzimin bin Abdul Rahman	Mohd Faizal Hasan, Bemgba B Nyakuma, Mohd Rosdzimin Abdul Rahman, Md Mizanur Rahman, Shahrul A Osman, Mohamad Asrul Bosiran, Tuan Amran T Abdullah	Characteristics of Densified Oil Palm Empty Fruit Bunches Blended with Carbon Nanotube Particles	Annales de Chimie - Science des Matériaux	44	1	15	22	Scopus
6	Leong Kin Yuen	Hwai Chyuan Ong, Cheng Tung Chong, Wei-Hsin Chen, Kin Yuen Leong, Shiou Xuan Tan, Xin Jiat Lee	Ultrasonic assisted oil extraction and biodiesel synthesis of spent coffee ground	Fuel	261	1	116	121	Web of Science (WOS)
7	Megat Mohamad Hamdan bin Megat Ahmad	Tan, K.S., Wong, S.V., Megat Ahmad, M.M.H.	Design and develop an apparatus for measurement of inertial properties for a typical two-wheel motorcycle	Journal of Engineering Science and Technology	15	5	2693	2985	Scopus
8	Balamurugan a/I Annamalai Gurunathan	Uswah Khairuddin, Nazrun Nabill Azlan Shah, Ricardo Martinez-Botas	Influence of double entry volute on incidence angle variation under steady flow: Numerical investigation	CFD Letters	12	10	75	89	Scopus
9	Mohd Rashdan bin Saad	M. A. Yussof1, N. I. Ismail1, M. J. Aiman1, M.F. Abdullah1, B. A. Gurunathan1, M. R. A. Rahman1	Point Absorber Method as Wave Energy Converter Device for Power Generation: Effect of Buoy Arrangements	International Journal of Integrated Engineering	12	5	97	103	Scopus
10	Mohd Rashdan bin Saad	A. Che Idris, K. Kontis	Potential of Micro-Vortex Generators in Enhancing the Quality of Flow in a Hypersonic Inlet-Isolator	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	77	1	1	10	Scopus
11	Ku Zarina Binti Ku Ahmad	M. F. Abdullah, K. Z. Ku Ahmad, R. N. R. Othman, A.H. Isahak, M. K. Faidzi	Energy Absorption at High Strain Rate of Magnesium Alloy AZ31B	International Journal of Integrated Engineering	12	5	91	96	Scopus
12	Ku Zarina Binti Ku Ahmad	I. A. Rahman, M. K. Faidzi, K. Z. Ku Ahmad	Mechanical Properties of Epoxy Composites Containing Carbon Black and Graphene	International Journal of Integrated Engineering	12	5	185	190	Scopus
13	Dian Darina Indah Bte Daruis	Hairunnisa Osman, Ezrin Hani Sukadarin, Fauzana Mustaffa, Henderi Ardiansyah, Zulkefli M Sain, Azmir Ariffin, Siti NA Jamaludin, Baba M Deros	INCREASING BLINK RATES: REDUCING DRIED EYE SYMPTOMS WITH EYE REST-BREAK APPLICATION	Malaysian Journal of Public Health Medicine	20	1	186	191	Scopus
14	Dian Darina Indah Bte Daruis	Ab Manan, M. H., & Daruis, D. D. I.	E-LEARNING EXPERIENCE THROUGH INTERCULTURAL COMMUNICATION	International Journal of Education and Pedagogy	2	1	140	151	Googe Scholar
15	Dian Darina Indah Bte Daruis	A Baharum, R Ismail, NHM Zain, DDI Daruis, NAM Noor	Improving cognitive impairment among dementia users using mobile application: An initial study	International Journal of Advanced Trends in Computer Science and Engineering	9	4	44	48	Scopus

16	Dian Darina Indah Bte Daruis	MSM Mohamed, SBM Tamrin, I. Halim, RZR Umar	Medium fidelity automotive interface prototype testing: A comparison between existing and new designs	Songklanakar Journal of Science and Technology	42	1	222	228	Scopus
17	Noor Hafizah Amer	Wahid, N., Zamzuri, H., Amer, N.H., Dwijotomo, A., Saruchi, S.A., Mazlan, S.A.	Vehicle collision avoidance motion planning strategy using artificial potential field with adaptive multi-speed scheduler	IET Intelligent Transport Systems	14	4	1200	1209	Web of Science (WOS)
18	Abd Rahim Bin Mat Sarip	MRA Rahman, SNA Baharom	Thermal and Humidity Management of Mushroom House using Evaporative Cooling System	ASM Science Journal	13	4	113	117	Googe Scholar

# Conference Proceedings 2020

NO	STAFF NAME	AUTHORS	DOCUMENT TITLE	SOURCE TITLE	VOLUME	ISSUE	PAGE START	PAGE END	INDEX
1	Khisbullah Hudha	Khisbullah Hudha, Zulkiffli Abd Kadir, Muhammad Akhimullah Subari, Noor Hafizah Amer, Syed Mohd Fairuz Syed Mohd Dardin	Speed Tracking Control of Tracked Vehicle using PID Controller Optimized by Particle Swarm Optimization	2020 IEEE International Conference on Automatic Co	-	-	107	111	Googe Scholar
2	Khisbullah Hudha	Khisbullah Hudha, Zulkiffli Abd Kadir, Syed Mohd Fairuz Syed Mohd Dardin, Noor Hafizah Amer	Development of Path Tracking Controller for An Autonomous Tracked Vehicle	2020 16th IEEE International Colloquium on Signal	-	-	126	130	Googe Scholar
3	Zulkiffli bin Abd. Kadir	Zulkiffli Abd Kadir, Noor Hafizah Amer, Khisbullah Hudha, Muhamad Afiq Mohd Yussof, Vimal Rau Aparow	Development and Verification of a 3-DOF Trailer Model for Truck Vehicles	2020 16th IEEE International Colloquium on Signal	-	-	120	125	Googe Scholar
4	Zulkiffli bin Abd. Kadir	Noor Hafizah Amer, Zulkiffli Abd Kadir, Khisbullah Hudha, Muhammad Nadwi Hakimi Adnan, Vimal Rau Aparow	Modeling and Verification of Truck Handling Model due to Steering Wheel Input	2020 16th IEEE International Colloquium on Signal	-	-	131	135	Googe Scholar
5	Zulkiffli bin Abd. Kadir	Noor Hafizah Amer, Zulkiffli Abd Kadir, Khisbullah Hudha, Mohd Sabirin Rahmat, Mohamad Hafiz Harun	Yaw Control of a 3-axle Truck Semi-Trailer using steerable-wheel Optimized with Gravitational Search Algorithm	2020 IEEE INTERNATIONAL CONFERENCE ON SYSTEM ENGINEERING AND TECHNOLOGY	-	-	234	239	Googe Scholar
6	Zulkiffli bin Abd. Kadir	Zulkiffli Abd Kadir, Noor Hafizah Amer, Khisbullah Hudha, Mohd Sabirin Rahmat, Mohamad Hafiz Harun	Roll Rejection Control of 3-axle semi-Trailer Truck using Steerable-wheel Optimized with Particle Swarm Optimization (PSO)	2020 IEEE INTERNATIONAL CONFERENCE ON SYSTEM ENGINEERING AND TECHNOLOGY	-	-	173	178	Googe Scholar
7	Dian Darina Indah Bte Daruis	Mokhtar, H., Mislah, H.S., Daruis, D.D.I	Effect of the Sequencing Pattern through Counterbalancing, Randomization and One-Pattern on Maximal Hand Grip Strength Performance	Convergence of Ergonomics and Design, Proceedings of ACED SEANES 2020 Part of the Advances in Intelligent Systems and Computing book series / Springer	-	-	159	169	Googe Scholar

# Book Publication 2020

NO	STAFF NAME	AUTHORS	BOOKS TITLE	PUBLISHER	ISBN	Book Status (Indexed / Not Indexed)	BOOK EDITOR	CHAPTER TITLE
1	Syafawati binti Hasbi	Syafawati Hasbi, Muhammad Naguib, Ahmad Nazri, Fawad Inam	Advances in Manufacturing Engineering - Selected Articles from ICMME 2019	Springer, Singapore	978-981-15-5753-8	Web of Science (WOS)	Seyyed Sattar, Mokhtar Awang, Farazila Yusof	A Review of Recent Developments in Mechanical Properties of Polymer Clay Nanocomposites
2	Mohd Rashdan bin Saad	N.I Ismail, M.J. Aiman, M.R.A Rahman	Proceedings of International Conference of Aerospace and Mechanical Engineering 2019, Lecture Notes in Mechanical Engineering	Springer, Singapore	978-981-15-4756-0	Web of Science (WOS)	Parvathy Rajendran, Nurul Musfirah Mazlan, Aslina Anjang, Nuruasikin Mohd Suhadis, Norizham Razak, Shukur Zainol	Backward Bent Duct Buoy (BBDB) of Wave Energy Converter: An Overview of BBDB Shapes
3	Mohd Rashdan bin Saad	I. Said, M.R. A. Rahman, F. M. Sakri, A. Che Idris	Proceedings of International Conference of Aerospace and Mechanical Engineering 2019, Lecture Notes in Mechanical Engineering	Springer, Singapore	978-981-15-4756-1	Web of Science (WOS)	Parvathy Rajendran, Nurul Musfirah Mazlan, Aslina Anjang, Nuruasikin Mohd Suhadis, Norizham Razak, Shukur Zainol	The Effect of Flow Control on Wing-In-Ground Craft Hull-Fuselage for Improved Aerodynamics Performance
4	Mohd Rashdan bin Saad	A. Che Idris, K. Kontis	Proceedings of International Conference of Aerospace and Mechanical Engineering 2019, Lecture Notes in Mechanical Engineering	Springer, Singapore	978-981-15-4756-2	Web of Science (WOS)	Parvathy Rajendran, Nurul Musfirah Mazlan, Aslina Anjang, Nuruasikin Mohd Suhadis, Norizham Razak, Shukur Zainol	Investigation of Variable Geometry Intake to Mitigate Unwanted Shock-Shock Interactions in a Hypersonic Air-Breathing Propulsion Device