

**List of Articles of Normal Issue JAMT
(Vol. 18 No. 3)**

No.	Title	Authors	Pages
1	EFFECT OF PROCESS PARAMETERS ON TENSILE STRENGTH OF 3D PRINTED PLA PARTS	N. P. Lee ¹ , R.A. Hamid ^{1*} , S. Maidin ¹ , N. Hajar ¹ , and T. Ito ²	1-16
2	NOVEL FOUR-DIMENSIONAL PRINTING OF 3D-PRINTED ABS VIA ELECTRON BEAM IRRADIATION	M.I. Shueb ¹ , M.E. Abd Manaf ^{2*} , N. Mohamad ² , M. Mahmud ¹ and A.M. Alkaseh ³	17-32
3	OPTIMIZATION OF SINGLE POINT INCREMENTAL FORMING (SPIF) PROCESS PARAMTERS ON SPRINGBACK OF DISSIMILAR FRICTION STIR WELDED ALUMINIUM ALLOYS BLANK USING TAGUCHI METHOD	K.A.H.A. Razak ¹ , A.B. Abdullah ^{1*} and M. Mohamed ²	33-50
4	THE INFLUENCE OF LASER POWER AND SCAN SPEED ON THE MICROSTRUCTURE, DISTORTIONS, AND MECHANICAL PROPERTIES IN THE L-PBF OF Ti-6Al-4V	G. Pollara ^{1*} , D. Palmeri ¹	51-70
5	HYGROTHERMAL ANALYSIS OF HYBRID ELECTRICALLY CONDUCTIVE ADHESIVE AT OPTIMAL MICRO-NANO FILLERS RATIO	Z. Adnan ¹ , S.H.S.M. Fadzullah ^{1*} , G. Omar ¹ , Z. Mustafa ² , and B. Çoşut ³	71-96
6	A FACTORIAL EXPERIMENTAL DESIGN METHOD FOR ANALYSING CORROSION RATE OF AISI 316L STAINLESS STEEL IN SELECTED TROPICAL FRUIT JUICE MEDIA	Y. Yusuf ^{1*} , N.A. Yunadi ¹ , N.I. Omar ¹ , N. Mustafa ¹ , Z.C. Daud ² , S.D. Hadi ³	97-110
7	OPTIMISING CUTTING PARAMETERS OF AISI H13 TO REDUCE TOOL WEAR AND SURFACE ROUGHNESS IN THE LATHE CNC MACHINING PROCESS	T. Norfauzi ^{1*} , A. Hamid ¹ , U. A. A. Azlan ² , M.B. Ali ² , A.S. Darmawan ³	111-126
8	PRODUCT REDESIGN BASED ON USER EXPERIENCE, COMPLAINT, AND FAILURE ANALYSIS	A.I. Juniani ^{1,2} , M.L. Singgih ¹ , P.D. Karningsih ^{1,*} , P. Suwignjo ¹ , and A. Artono ³	127-144
9	SUPER TWISTING SLIDING MODE CONTROLLER FOR PRECISE BALL SCREW DRIVEN XY POSITIONING MILLING TABLE	M. Maharof ¹ , Z. Jamaludin ^{2*} , S. Mohammad ² , A. Rashid ¹ , S. Ahmed ¹ , L. Abdullah ²	145-158
10	COMPARISON OF MACHINING AND WEAR PERFORMANCE OF 22MnB5 BORON STEEL AND HIGH-SPEED STEEL CUTTING TOOLS ON 6061 ALUMINIUM ALLOY	M.R. Fairuz ^{1,2} , A.B. Hadzley ^{1*} , A.W. Norfariza ¹ , M.M. Fauzi ¹ , P.H. Lailatul ¹ ,	159-178

		R.N. Ana ¹ and S.G. Herawan ³	
11	EFFECT OF APPLIED VOLTAGE ON ELECTROPHORETIC DEPOSITION OF NANO-HYDROXYAPATITE COATING ON BIODEGRADABLE AZ31 MAGNESIUM ALLOY AND ITS CORROSION PROPERTIES	C.Y. Chong ^{1,4} , N.A. Fadil ^{1,2} , F.M. Nor ³ , T. A. Abu Bakar ^{1,2,*}	179-192
12	A UNIVERSAL DESIGN METHOD BASED ON MOTION ANALYSIS BY USING MOTION CAPTURE AND MUSCULOSKELETAL MODEL: CASE STUDY OF PRODUCT SHELF HEIGHT	Y. Shimizusawa ^{1*} , J. Matsuda ¹ , R. Kataoka ² and M. Inoue ²	193-206
13	SECURE INDUSTRIAL IOT DATA AGGREGATION IN THE MANUFACTURING INDUSTRY USING LIGHTWEIGHT HOMOMORPHIC ENCRYPTION SCHEME	M.R. Baharon ^{1*} , S.H. Yahaya ² , O. AlShannaq ¹ , H.N. Mohd Shah ³ and A. MacDermott ⁴	207-218
14	AN AUTOMATED DATA LOGGER SYSTEM FOR REAL-TIME MONITORING AND ANOMALY DETECTION IN INDUSTRIAL IOT ENVIRONMENT	N. Harum ^{1*} , N.A. Emran ¹ , M.H.F. Md Fauadi ² , E. Hamid ¹ , M.N.M. Khambari ¹ , M.M. Ridzuan ³ , and M. Kchouri ⁴	219-236
15	MULTI-CRITERIA DECISION-MAKING MODEL ON CLOSE-OPEN MIXED VEHICLE ROUTING PROBLEM FOR MIDDLE-MILE DELIVERY OPTIMISATION	S. Nirwan ^{1,2*} , M.H.L. Abdullah ¹ , S.S. Rahim ¹ , M. Mubassiran ² and N. Heriyana ³	237-260
16	REAL-TIME ALERT NOTIFICATION SYSTEM FOR OPTIMIZING MANUFACTURING PRODUCTION LINE VIA MOBILE APPLICATION	N.A. Emran ^{1*} , N. Harum ¹ , C.C. Yu ² , M.M. Ridzuan ³ and A.J. IQubaisi ⁴	261-280
17	EXPERIMENTAL COMPARISON ON MECHANICAL PROPERTIES, MICROSTRUCTURAL CHANGES AND HEAT-AFFECTED-ZONE (HAZ) SIZE OF TIG- AND LASER WELDED EN AW 6082-T6	A.M. Najib ^{1*} , E.R. Imam Fauzi ^{2,3} , B. Umroh ⁴ and M.S. Rusdi ²	281-308