

TABLE OF CONTENT

Vol. 21, 2024

TITLES	PAGE
Exploring Survival Analysis and Predictive Factors in Breast Cancer Patients Asfa Fatini Md Zuraidi & Noraslinda Mohamed Ismail	1 - 10
Optimizing Blood Transport Costs: Ant Colony Optimization Method for Vehicle Routing Problem with Time Windows Chai Ying Ying & Farhana Johar	11 - 19
Analysing the correlation between BMI and Lifestyle Factors for Undergraduate Students at Universiti Teknologi Malaysia Che Elina binti Che Rosli & Siti Rohani Mohd Nor	20 - 30
Forecasting Stock Market Prices Using Q-Learning Models Chen Jian Kai & Norma Alias	31 - 39
Solute Dispersion in Casson Flow of Blood through a Stenosed Artery with Rigid Permeable Wall Deserley Eric Marcus Dompok & Nurul Aini Jaafar	40 - 50
Geometric Brownian Motion For Groundwater Level 5Prediction Ding Yi Suen & Arifah Bahar	51 - 62
Travelling Salesman Problem to solve KFC Chicken delivery by Using Simulated Annealing Method and Greedy Method Foo Sin Yew & Wan Rohaizad Wan Ibrahim	63 - 72
Linguistic Patterns of Al-Quran Verses Using Text Mining Hanis Wahidah Abd Wahab & Norhaiza Ahmad	73 - 82
One-Dimensional Pollutant Transport in Groundwater Izza Syafinaz Izlan & Zaiton Mat Isa	83-94
Forecasting Monthly PM ₁₀ Concentration in Petaling Jaya using Dynamic Regression Model Izzah Atirah Zambri & Ani Shabri	95-104

Air Pollution Index Analysis Using Functional Data Analysis Khoo Chun Kai & Muhammad Fauzee Hamdan	105-114
Linear Programming Model for Semiconductor Aggregate Production Planning with Sensitivity Analysis Lew Xin Yan & Zaitul Marlizawati Zainuddin	115-124
Infestation of Golden Mussel Model by using Differential Equations Lisa Lim Shi Min & Faridah Mustapha	125-134
Image Segmentation Using Convolutional Neural Network Based Geodesic Active Contour Model for Deforestation at Iskandar Puteri Loh Yuan Wei & Norma Alias	135-141
Time Series Forecasting of Crude Birth Rate in Malaysia Lynlie E Lian & Muhammad Fauzee Hamdan	142-156
Functional Data Analysis on Dengue Haemorrhagic Fever (DHF) in Malaysia Mohamad Haziq Mohd Zam Zam & Muhammad Fauzee Hamdan	157-168
Mixed Convection Boundary Layer Flow of Viscoelastic Hybrid Nanofluid Past Over a Sphere with Constant Heat Flux Mohamad Solahudin Ibrahim & Wan Rukaida Wan Abdullah	169-179
MHD Nanofluid Flow in Presence of Heat Source/Sink Considering Shape Effects of Nanoparticles Muhammad Atthirmizi Zulkiflee & Noraihan Afiqah Rawi	180-189
Comparative Study Using Kaplan-Meier and Cox Models in Analyzing Employee Attrition Muhammad Izzat Irfan Ahmad & Zarina Mohd Khalid	190-198