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AHMAD FADLY  
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PENSYARAH UNIVERSITI DS14

## CONTACT

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**Faculty:** Fakulti Ekonomi  
Dan Muamalat

## SUPERVISION

PhD - Completed: 3, Ongoing: 0

Master - Completed: 1,  
Ongoing: 1

## AREAS OF EXPERTISE

Numerical Analysis

Computational Simulation And Modelling

Mathematics In Computational Finance

## ACADEMIC QUALIFICATION

PhD in Pure Mathematics (2015)

Master in Numerical Analysis (2010)

Bachelor in Mathematics (2006)

## RESEARCH

### 1. MADANI VALUES AND EDUCATION EXPENDITURE CHOICES OF MUSLIM FAMILIES IN NILAI

2025 GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ) ON GOING  
CO-RESEARCHER

### 2. ESTABLISHING A NUMERICAL SOLUTION FOR ISLAMIC ASSET PRICES USING A MULTISTEP-WAVELET ALGORITHM TO PROMOTE LONG TERM ECONOMIC STABILITY

2024 GERAN KPT ON GOING MAIN RESEARCHER

### 3. NUMERICAL APPROACH FOR ANALYZING ASSET PRICES

2023 GERAN ANTARABANGSA ON GOING MAIN RESEARCHER

### 4. STOCK MARKET INVESTMENT STRATEGY FOR FUNDAMENTAL INVESTORS AND DAILY TRADERS: WHO GAIN MORE PROFIT?

2023 GERAN SEPADAN ANTARABANGSA ON GOING CO-RESEARCHER

### 5. DEVELOPING A NEW CREDIT RISK EXPOSURE MODEL TO ILLUSTRATE FINANCIAL SUSTAINABILITY OPTION FOR CORPORATE FINANCING BY USING MONTE CARLO SIMULATION.

2023 GERAN KPT ON GOING CO-RESEARCHER

# RESEARCH

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## 6. TAHAP KEFAHAMAN FILANTROFI ISLAM (KEDERMAWANAN) DALAM KALANGAN MASYARAKAT UNTUK MENGHADAPI PASCA COVID 19

2020 GERAN PENYELIDIKAN COVID-19 COMPLETED CO-RESEARCHER

## 7. DEVELOPING A FRAMEWORK ON THE USE OF ROBO ADVISOR FOR THE ISLAMIC FINANCIAL PLANNING EDUCATION IN MALAYSIA

2020 GERAN KPT COMPLETED CO-RESEARCHER

## 8. SOCIAL ENTERPRISE @ URBAN COMMUNITY (SE@UC) 2.0

2019 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED CO-RESEARCHER

## 9. DEVELOPING A NEW EQUITY-BASED FINANCING MODEL BY USING EQUILIBRIUM FORMULATION TOWARDS ACHIEVING LONG-TERM SUSTAINABLE FINANCE.

2019 GERAN KPT COMPLETED CO-RESEARCHER

## 10. THE STUDY OF DRUNKEN ABNORMAL HUMAN GAIT RECOGNITION USING ACCELEROMETERS IN MOBILE APPLICATION

2018 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 11. USING AL-QURAN AND GAME KIT FOR ENTHUSIASTIC AND INTERACTIVE LEARNING IN ADDITIONAL MATHEMATICS CLASSROOM

2018 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED CO-RESEARCHER

## 12. ADOPTING GAMIFICATION IN DELIVERING CRYPTOGRAPHY CONCEPT & IMAGING A TOUCHABLE 3D HOLOGRAPHIC DISPLAY FOR AUGMENTED REALITY: A PRACTICAL APPROACH FOR INTERACTIVE LEARNING

2018 GERAN PENYELIDIKAN HEADSTART PROGRAM COMPLETED CO-RESEARCHER

## 13. THE INTENTION OF ISLAMIC ESTATE PLANNING PRACTICE AMONG MUSLIM BUSINESS OWNER

2018 GERAN PENYELIDIKAN INDUSTRI COMPLETED CO-RESEARCHER

## 14. NUMERICAL SOLUTION FOR ISLAMIC PRICING OPTION USING A MODIFIED 2 POINT BLOCK BACKWARDS DIFFERENCE METHOD

2017 GERAN KPT COMPLETED MAIN RESEARCHER

## 15. THE STOCHASTIC ASSET INVESTMENT MODEL FOR INSURER

2017 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 16. DO CITIZENS' RIGHT INFLUENCE THE PRODUCTIVITY OF DOMESTIC AND FOREIGN ISLAMIC BANKS? EMPIRICAL EVIDENCE FROM BRUNEI, INDONESIA AND MALAYSIA

2017 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 17. 'TAKAFUL KHAIRAT KEMATIAN' TO PREVENT FUNERAL POVERTY: FUNDAMENTAL ISSUE IN MALAYSIA

2017 GERAN KPT ON GOING CO-RESEARCHER

# PUBLICATION

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## 1. HAAR WAVELET COLLOCATION METHOD FOR SOLVING BOUNDARY LAYER FLOW AND HEAT TRANSFER OVER A MOVING PLATE IN A CARBON NANOTUBES WITH MHD EFFECT

MATHEMATICAL MODELING AND COMPUTING

2025 JOURNAL SCOPUS MAIN AUTHOR

## 2. THE IMPACT OF CAPITAL MARKET INSTRUMENTS ON MALAYSIAN ECONOMIC GROWTH

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2025 JOURNAL OTHER DATABASE MAIN AUTHOR

## 3. ANALYZING MALAYSIAN STOCK INDICES PERFORMANCE USING ARIMA

DIGITAL HORIZONS: REIMAGINING BUSINESS IN THE TECH ERA

2025 CHAPTER IN BOOK CO-AUTHOR

## 4. ROBO-ADVISOR CAN PLAY A ROLE IN PROMOTING FINANCIAL KNOWLEDGE WITHIN SOCIETY

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2024 JOURNAL SCOPUS CO-AUTHOR

## 5. THREE-WAY MERGER OF STATE-OWNED ISLAMIC BANKS: A SIMULATION APPROACH

GLOBAL BUSINESS AND MANAGEMENT RESEARCH: AN INTERNATIONAL JOURNAL

2024 JOURNAL ERA CO-AUTHOR

## 6. AN ATTACK ON ELG-LUC3-ECC CRYPTOSYSTEM USING HASTAD'S AND JULTA'S THEOREM

MATHEMATICAL MODELING AND COMPUTING

2024 JOURNAL OTHER DATABASE CO-AUTHOR

## 7. ASEAN-5 STOCK INDEXES PREDICTIONS USING GEOMETRIC BROWNIAN MOTION

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY (ARASET)

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

## 8. COVID-19 FINANCIAL RELIEF SCHEME: AN ANALYSIS OF FINANCIAL LITERACY AND FINANCIAL ANXIETY AMONG MALAYSIAN POPULATION

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN ECONOMICS AND FINANCE

2024 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

## 9. FINANCIAL LITERACY AND FINANCIAL ANXIETY IN MALAYSIA: DETERMINANTS AND BEHAVIOURAL INFLUENCES

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN EDUCATION AND SOCIETY

2024 JOURNAL OTHER DATABASE MAIN AUTHOR

## 10. MEAN-VARIANCE ANALYSIS OF SHARIAH AND NON-SHARIAH STOCKS MARKET IN MALAYSIA DURING THE PANDEMIC OF COVID-19

29TH NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM29)

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 11. THE IMPACT OF CAPITAL MARKET INSTRUMENTS ON MALAYSIAN ECONOMIC GROWTH

KOLOKIUUM SISWAZAH SAINS & TEKNOLOGI (KOSIST2024)

2024 PROCEEDING NON-INDEX CO-AUTHOR

## 12. THE ANALYSIS OF FINANCIAL LITERACY THAT INFLUENCES FINANCIAL ANXIETY AMONG MALAYSIANS

5TH INTERNATIONAL CONFERENCE ON MANAGEMENT, EDUCATION, SOCIAL SCIENCES AND INNOVATION 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 13. PROCEEDING OF THE 29TH NATIONAL SYMPOSIUM ON MATHEMATICAL SCIENCES (SKSM29): THEORY AND APPLICATIONS OF MATHEMATICAL SCIENCES

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK (SKSM29)

2024 PROCEEDING NON-INDEX CHIEF EDITOR

# PUBLICATION

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## 14. THE IMPACT OF BANK SIZE ON PRE-AND POST-MERGER AND ACQUISITION PERFORMANCE AND STABILITY: NEW EVIDENCE FROM GCC AND PAKISTAN

INTERNATIONAL JOURNAL OF PROFESSIONAL BUSINESS REVIEW

2023 JOURNAL SCOPUS CO-AUTHOR

## 15. YOUNG CONSUMER BEHAVIOR: FINANCIAL PRACTICES AMONG MALAYSIAN MUSLIM YOUTH

IRANIAN ECONOMIC REVIEW

2023 JOURNAL SCOPUS CO-AUTHOR

## 16. SECURITY ANALYSIS ON LUC-TYPE CRYPTOSYSTEMS USING COMMON MODULUS ATTACK

JOURNAL OF ADVANCED RESEARCH IN APPLIED SCIENCES AND ENGINEERING TECHNOLOGY

2023 JOURNAL OTHER DATABASE CO-AUTHOR

## 17. HAAR WAVELET COLLOCATION METHOD FOR SOLVING STAGNATION POINT FLOW OVER A NONLINEARLY STRETCHING/SHRINKING SHEET IN A CARBON NANOTUBE WITH SLIP EFFECT

MATHEMATICAL MODELING AND COMPUTING

2023 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

## 18. NUMERICALLY INVESTIGATING THE EFFECTS OF SLIP AND THERMAL CONVECTIVE ON NANOFUID BOUNDARY LAYER PAST A STRETCHING/SHRINKING SURFACE

MATHEMATICAL MODELING AND COMPUTING

2023 JOURNAL OTHER DATABASE MAIN AUTHOR

## 19. CRYPTOGRAPHY: DISCOVERY AWARENESS AMONG PERMATA INSAN COLLEGE STUDENT

4TH INSAN JUNIOR RESEARCHERS INTERNATIONAL CONFERENCE 2023 (IJURECON 2023)

2023 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 20. E-PROCEEDINGS (FULL PAPER)

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2023: PENERAJU SAINS ISLAM DIPERSADA ANTARABANGSA

2023 PROCEEDING NON-INDEX EDITOR

## 21. INTRODUCTION TO BUSINESS MATHEMATICS FOR ECONOMICS AND MUAMALAT: FUNDAMENTAL ALGEBRA

2023 BOOK MAIN AUTHOR

## 22. A GEOMETRIC BROWNIAN MOTION OF ASEAN-5 STOCK INDEXES

AI AND BUSINESS, AND INNOVATION RESEARCH: UNDERSTANDING THE POTENTIAL AND RISKS OF AI FOR MODERN ENTERPRISES

2023 CHAPTER IN BOOK CO-AUTHOR

## 23. MERGERS AND ACQUISITIONS IN ISLAMIC BANKING SECTOR: AN EMPIRICAL ANALYSIS ON SIZE EFFECT, MARKET STRUCTURE, AND OPERATIONAL PERFORMANCE

INTERNATIONAL JOURNAL OF FINANCIAL INNOVATION IN BANKING

2022 JOURNAL OTHER DATABASE CO-AUTHOR

## 24. VARIABLE ORDER STEP SIZE METHOD FOR SOLVING ORBITAL PROBLEMS WITH PERIODIC SOLUTIONS

MATHEMATICAL MODELING AND COMPUTING

2022 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

## 25. A BACKWARD DIFFERENCE FORMULATION FOR ANALYZING THE DYNAMICS OF CAPITAL STOCKS

MATHEMATICAL MODELING AND COMPUTING,

2022 JOURNAL SCOPUS CORRESPONDING AUTHOR

## 26. AN ANALYSIS OF REGULATION AND GOVERNANCE FOR FUNERAL SOCIAL FUND IN MALAYSIA

AL-UQUD: JOURNAL OF ISLAMIC ECONOMICS

2022 JOURNAL OTHER DATABASE CO-AUTHOR

# PUBLICATION

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## 27. THREE-POINT BLOCK ALGORITHM FOR APPROXIMATING DUFFING TYPE DIFFERENTIAL EQUATIONS

MATHEMATICS AND STATISTICS

2022 JOURNAL SCOPUS CORRESPONDING AUTHOR

## 28. NUMERICAL ANALYSIS ON CHAOS ATTRACTORS USING A BACKWARD DIFFERENCE FORMULATION

MATHEMATICAL MODELING AND COMPUTING

2022 JOURNAL OTHER DATABASE MAIN AUTHOR

## 29. THE MEDIATION EFFECTS OF CAPITAL STRUCTURE: EVIDENCE FROM MALAYSIAN AND INDONESIAN ECONOMIC SECTORS

MATHEMATICAL STATISTICIAN AND ENGINEERING APPLICATIONS

2022 JOURNAL OTHER DATABASE MAIN AUTHOR

## 30. E-PROCEEDING "SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022: MEMIMPIN INTEGRASI ILMU NAQLI DAN AQLI"

SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022 (SAIS 2022)

2022 PROCEEDING NON-INDEX EDITOR

## 31. E-PROSIDING SEMINAR PENGANTARABANGSAAN PENDIDIKAN TINGGI 2022 (SPPT 2022)

SEMINAR PENGANTARABANGSAAN PENGAJIAN TINGGI 2022 (SPPT 2022)

2022 PROCEEDING OTHER DATABASE CO-EDITOR

## 32. MEAN-VARIANCE ANALYSIS OF SHARIAH AND NON- SHARIAH STOCKS MARKET IN MALAYSIA DURING THE PANDEMIC OF COVID-19

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK KE-29 (SKSM29)

2022 PROCEEDING SCOPUS CORRESPONDING AUTHOR

## 33. STOCK RETURN VOLATILITY DURING SARS AND COVID-19: COMPARISON BETWEEN MALAYSIA AND CHINA'S STOCK MARKETS

THE 5TH INNOVATION AND ANALYTICS CONFERENCE & EXHIBITION (IACE 2021)

2022 PROCEEDING SCOPUS MAIN AUTHOR

## 34. MINECRAFT-ED: LEARN ADDITIONAL MATHEMATICS VIA AN INTERACTIVE APPROACH

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION (ICE-CINNO) 2022

2022 PROCEEDING OTHER DATABASE MAIN AUTHOR

## 35. E-PROCEEDING SAIS 2022 SEMINAR ANTARABANGSA ISLAM DAN SAINS 2022,

2022 BOOK EDITOR

## 36. E-PROSIDING SEMINAR PENGANTARABANGSAAN PENDIDIKAN TINGGI 2022

2022 BOOK CO-EDITOR

## 37. TWO-POINT BLOCK VARIABLE ORDER STEP SIZE MULTISTEP METHOD FOR SOLVING HIGHER ORDER ORDINARY DIFFERENTIAL EQUATIONS DIRECTLY

JOURNAL OF KING SAUD UNIVERSITY - SCIENCE

2021 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

## 38. A CUBIC EL-GAMAL ENCRYPTION SCHEME BASED ON LUCAS SEQUENCE AND ELLIPTIC CURVE

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2021 JOURNAL SCOPUS MAIN AUTHOR / CONTACT PERSON IN USIM

## 39. APPROXIMATING NON LINEAR HIGHER ORDER ODES BY A THREE POINT BLOCK ALGORITHM

PLOS ONE

2021 JOURNAL ISI, SCOPUS AND ERA MAIN AUTHOR / CONTACT PERSON IN USIM

# PUBLICATION

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## 40. NUMERICAL SOLUTION FOR DUFFING-VAN DER POL OSCILLATOR VIA BLOCK METHOD

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2021 JOURNAL SCOPUS MAIN AUTHOR

## 41. ANALYSIS OF CLAIM RATIO, RISK-BASED CAPITAL AND VALUE-ADDED INTELLECTUAL CAPITAL: A COMPARISON BETWEEN FAMILY AND GENERAL TAKAFUL OPERATORS IN MALAYSIA

INTERNATIONAL CONFERENCE OF COMPUTING, MATHEMATICS & STATISTICS (ICMS2021)

2021 PROCEEDING NON-INDEX CO-AUTHOR

## 42. FINANCIAL LEVERAGE AND FINANCIAL PERFORMANCE IN THE TERTIARY SECTOR: PARTIAL LEAST SQUARE- MULTI-GROUP ANALYSIS (PLS-MGA)

INTERNATIONAL JOURNAL OF ADVANCED SCIENCE AND TECHNOLOGY

2020 JOURNAL ERA CO-AUTHOR

## 43. SECURITY ANALYSIS ON ELLIPTIC CURVE CRYPTOSYSTEM BASED ON SECOND ORDER LUCAS SEQUENCE USING FAULTS BASED ATTACK

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2020 JOURNAL SCOPUS MAIN AUTHOR

## 44. NUMERICAL SOLUTION OF NONLINEAR FREDHOLM AND VOLTERRA INTEGRALS BY NEWTON-KANTOROVICH AND HAAR WAVELETS METHODS

SYMMETRY

2020 JOURNAL SCOPUS MAIN AUTHOR

## 45. ON THE SECURITY COMPARISON OF LUC-TYPE CRYPTOSYSTEMS USING CHOSEN MESSAGE ATTACK

ADVANCES IN MATHEMATICS: SCIENTIFIC JOURNAL

2020 JOURNAL SCOPUS MAIN AUTHOR

## 46. ON THE UNIFORM SUMMABILITY OF THE FOURIER-LAPLACE SERIES ON THE SPHERE

JOURNAL OF PHYSICS: CONFERENCE SERIES

2020 JOURNAL SCOPUS MAIN AUTHOR

## 47. NUMERICAL APPROXIMATION OF RICCATI TYPE DIFFERENTIAL EQUATIONS

ASM SCIENCE JOURNAL

2020 JOURNAL SCOPUS MAIN AUTHOR

## 48. SOLVING DUFFING TYPE DIFFERENTIAL EQUATIONS USING A THREE-POINT BLOCK VARIABLE ORDER STEP SIZE METHOD

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2019 JOURNAL SCOPUS MAIN AUTHOR

## 49. NUMERICAL INTEGRATION OF FUNCTIONS FROM HOLDER CLASSES $HS [0, 1]$ BY LINEAR LEGENDRE MULTI WAVELETS

JOURNAL OF ENGINEERING AND APPLIED SCIENCES

2019 JOURNAL SCOPUS CO-AUTHOR

## 50. ON THE INSECURITY OF GENERALIZED (RIVEST-SHAMIR-ADLEMAN) - ADVANCE AND ADAPTABLE CRYPTOSYSTEM

JOURNAL OF PHYSICS: CONFERENCE SERIES

2019 JOURNAL SCOPUS CO-AUTHOR

## 51. USING GAME KIT FOR ENTHUSIASTIC AND INTERACTIVE LEARNING IN ADDITIONAL MATHEMATICS CLASSROOM

JOURNAL OF EDUCATION AND SOCIAL SCIENCES

2019 JOURNAL OTHER DATABASE CO-AUTHOR

## 52. EFFICIENT QUADRATURE RULES FOR NUMERICAL INTEGRATION BASED ON LINEAR LEGENDRE MULTI-WAVELETS

JOURNAL OF PHYSICS: CONFERENCE SERIES

2019 JOURNAL SCOPUS CO-AUTHOR

# PUBLICATION

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## 53. MATHEMATICAL MODELING AND SIMULATION OF THE COUPLED STRAIN SPACE THERMOPLASTICITY PROBLEMS

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2019 JOURNAL SCOPUS CO-AUTHOR

## 54. CRYPTOGRAPHIC ATTACK ON LUC-TYPE CRYPTOSYSTEMS USING GMITM (TYPE 1)

JOURNAL OF ADVANCED RESEARCH IN DYNAMICAL AND CONTROL SYSTEMS - JARDCS

2019 JOURNAL SCOPUS CO-AUTHOR

## 55. EXTENDED BOUNDS OF BEATTY SEQUENCE ASSOCIATED WITH PRIMES

INTERNATIONAL JOURNAL OF ENGINEERING AND ADVANCED TECHNOLOGY

2019 JOURNAL SCOPUS CO-AUTHOR

## 56. ANALYSING AND FORECASTING SHARE PRICE INDEX IN MALAYSIA

JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE

2019 JOURNAL ERA CO-AUTHOR

## 57. A NON-LINEAR STOCHASTIC CONSOLS YIELD MODEL OF MALAYSIA

ASM JOURNAL

2019 JOURNAL SCOPUS CO-AUTHOR

## 58. APPROXIMATION OF IMPROPER INTEGRAL BASED ON HAAR WAVELETS

JOURNAL OF MULTIDISCIPLINARY ENGINEERING SCIENCES AND TECHNOLOGY (JMEST)

2019 JOURNAL OTHER DATABASE CO-AUTHOR

## 59. CHAPTER 19 CONVOLUTION OF NON-DIFFERENTIABLE FUNCTION

NATURAL RESOURCES AND BIODIVERSITY

2019 CHAPTER IN BOOK CO-AUTHOR

## 60. CHAPTER 14 VARIABLE ORDER STEP SIZE ALGORITHM FOR SOLVING SECOND ORDER ODES

EMBRACING MATHEMATICAL DIVERSITY

2019 CHAPTER IN BOOK MAIN AUTHOR

## 61. CHAPTER 12 APPROXIMATE INTEGRALS BASED ON LINEAR LEGENDRE-MULTI WAVELETS

EMBRACING MATHEMATICAL DIVERSITY

2019 CHAPTER IN BOOK CO-AUTHOR

## 62. CHAPTER 18 COMPOSITE AND INVERSE FUNCTION OF RECURRENCE SEQUENCE BASED ON QUARTIC POLYNOMIAL

NATURAL RESOURCES AND BIODIVERSITY

2019 CHAPTER IN BOOK CO-AUTHOR

## 63. SUMMATION BY RIESZ MEANS OF THE FOURIER-LAPLACE SERIES

FILOMAT

2018 JOURNAL WOS MAIN AUTHOR

## 64. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS MAIN AUTHOR

## 65. ORDER AND STABILITY OF 2-POINT BLOCK BACKWARD DIFFERENCE METHOD

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS CO-AUTHOR

# PUBLICATION

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## 66. NUMERICAL INTEGRATION BASED ON LINEAR LEGENDRE MULTI WAVELETS

JOURNAL OF PHYSICS: CONF. SERIES

2018 JOURNAL SCOPUS CO-AUTHOR

## 67. THE WILKIE MODEL: A COMPARISON OF THE DISCRETE-TIME WITH THE CONTINUOUS-TIME

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS CO-AUTHOR

## 68. AN APPLICATION OF THE WILKIE MODEL IN ANALYSING SHARE PRICE INDEX IN MALAYSIA

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS CO-AUTHOR

## 69. WHY PREPARING AN EMERGENCY FUND IS MATTER TO YOUNG ADULTS?

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY

2018 JOURNAL SCOPUS CO-AUTHOR

## 70. RISK SHIFTING ELIMINATION AND RISK SHARING EXPOSURE IN EQUITY-BASED FINANCING?A THEORETICAL EXPOSITION

MANAGERIAL FINANCE

2018 JOURNAL WOS CO-AUTHOR

## 71. A NUMERICAL SOLUTION FOR DUFFING-VAN DER POL OSCILLATORS USING A BACKWARD DIFFERENCE FORMULATION

AIP CONFERENCE PROCEEDINGS

2018 JOURNAL SCOPUS MAIN AUTHOR

## 72. A BACKWARD DIFFERENCE FORMULATION FOR SOLVING DOFFING-VAN DER POL TYPE OSCILLATORS

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY

2018 JOURNAL SCOPUS MAIN AUTHOR

## 73. A NUMERICAL SOLUTION FOR DUFFING-VAN DER POL OSCILLATORS USING A BACKWARD DIFFERENCE FORMULATION

INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

## 74. AN APPLICATION OF THE WILKIE MODEL IN ANALYSING SHARE PRICE INDEX IN MALAYSIA

INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY 2018

2018 PROCEEDING NON-INDEX CO-AUTHOR

## 75. ON THE LEBESGUE CONSTANTS OF FOURIER-LAPLACE SERIES BY RIESZ MEANS

JOURNAL OF PHYSICS

2017 JOURNAL WOS MAIN AUTHOR

## 76. ON THE EQUICONVERGENCE OF THE FOURIER SERIES AND THE FOURIER INTEGRAL

JOURNAL OF PHYSICS

2017 JOURNAL WOS CO-AUTHOR

## 77. ABSENCE OF LOCALIZATION OF FOURIER-LAPLACE SERIES

AMERICAN INSTITUTE OF PHYSICS (AIP)

2017 JOURNAL SCOPUS MAIN AUTHOR

## 78. UNIFORM CONVERGENCE OF THE FOURIER-LAPLACE SERIES

AMERICAN INSTITUTE OF PHYSICS (AIP)

2017 JOURNAL SCOPUS MAIN AUTHOR

# PUBLICATION

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## 79. SOLUTION FOR NONLINEAR DUFFING OSCILLATOR USING VARIABLE ORDER VARIABLE STEPSIZE BLOCK METHOD

MATEMATIKA

2017 JOURNAL WOS MAIN AUTHOR

## 80. APPROXIMATING OF FUNCTIONS FROM HOLDER CLASSES $H^r$ [0, 1] BY HAAR WAVELETS

JOURNAL OF PHYSICS: CONFERENCE SERIES

2017 JOURNAL WOS CO-AUTHOR

## 81. DOES EMERGENCY FUND PROVISION IS JUST ABOUT SAVING? : A CONCEPTUAL PAPER

INTERNATIONAL JOURNAL OF ART AND HUMANITIES

2017 JOURNAL SSCI CO-AUTHOR

## 82. VARIABLE ORDER VARIABLE STEPSIZE ALGORITHM FOR SOLVING NONLINEAR DUFFING OSCILLATOR

JOURNAL OF PHYSICS: CONF. SERIES

2017 JOURNAL WOS MAIN AUTHOR

## 83. BLOCK VARIABLE ORDER STEP SIZE METHOD FOR SOLVING HIGHER ORDER ORBITAL PROBLEMS

AMERICAN INSTITUTE OF PHYSICS (AIP) PROCEEDINGS

2017 JOURNAL SCOPUS MAIN AUTHOR

## 84. THE USE OF A METABOLIC DISORDER INDEX AS A PREDICTOR FOR METABOLIC ELIMINATIONS IN ENDURANCE HORSES

JOURNAL OF EQUINE VETERINARY SCIENCE

2017 JOURNAL WOS CO-AUTHOR

## 85. ASYMPTOTIC FORMULA FOR THE RIESZ MEANS OF THE SPECTRAL FUNCTIONS OF LAPLACE-BELTRAMI OPERATOR ON UNIT SPHERE

JOURNAL OF PHYSICS: CONF. SERIES

2017 JOURNAL WOS MAIN AUTHOR

## 86. BLOCK VARIABLE ORDER STEP SIZE METHOD FOR SOLVING HIGHER ORDER ORBITAL PROBLEMS

PROCEEDINGS OF THE 13TH IMT-GT INTERNATIONAL CONFERENCE ON MATHEMATICS, STATISTICS AND THEIR APPLICATIONS (ICMSA2017)

2017 PROCEEDING NON-INDEX MAIN AUTHOR

## 87. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK 25

2017 PROCEEDING NON-INDEX MAIN AUTHOR

## 88. ORDER AND STABILITY OF 2-POINT BLOCK BACKWARD DIFFERENCE METHOD

SIMPOSIUM KEBANGSAAN SAINS MATEMATIKE KE 25

2017 PROCEEDING NON-INDEX CO-AUTHOR

## 89. THE WILKIE MODEL: A COMPARISON OF THE DISCRETE-TIME WITH THE CONTINUOUS-TIME

SIMPOSIUM KEBANGSAAN SAINS MATEMATIK 25

2017 PROCEEDING NON-INDEX CO-AUTHOR

## 90. 2 POINT BLOCK BACKWARD DIFFERENCE METHOD FOR SOLVING RICCATI TYPE DIFFERENTIAL PROBLEMS

AIP CONFERENCE PROCEEDINGS

2016 JOURNAL SCOPUS MAIN AUTHOR

## 91. THE SOLUTION OF RICCATI TYPE DIFFERENTIAL EQUATION BY MEANS OF VARIABLE ORDER VARIABLE STEPSIZE BACKWARD DIFFERENCE METHOD

JOURNAL OF SOFT COMPUTING AND APPLICATIONS

2016 JOURNAL SCI MAIN AUTHOR

# PUBLICATION

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## 92. ON THE LEBESGUE CONSTANTS OF FOURIER-LAPLACE SERIES BY RIESZ MEANS

37TH INTERNATIONAL CONFERENCE ON QUANTUM PROBABILITY AND RELATED TOPICS

2016 PROCEEDING NON-INDEX MAIN AUTHOR

## 93. UNIFORM CONVERGENCE OF THE FOURIER-LAPLACE SERIES

4RD INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES (ICMS4)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

## 94. ABSENCE OF LOCALIZATION OF FOURIER-LAPLACE SERIES

4TH INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES (ICMS4)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

## 95. ON THE EQUICONVERGENCE OF THE FOURIER SERIES AND THE FOURIER INTEGRAL

37TH INTERNATIONAL CONFERENCE ON QUANTUM PROBABILITY AND RELATED

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 96. ON THE WEAK LOCALIZATION PRINCIPLE OF THE EIGENFUNCTION EXPANSIONS OF THE LAPLACE-BELTRAMI OPERATOR BY RIESZ METHOD

MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES

2015 JOURNAL SCOPUS MAIN AUTHOR

## 97. SOLVING NONSTIFF HIGHER ORDER ODES USING VARIABLE ORDER STEP SIZE BACKWARD DIFFERENCE DIRECTLY

MATHEMATICAL PROBLEMS IN ENGINEERING

2014 JOURNAL WOS MAIN AUTHOR

## 98. SOLVING NONSTIFF HIGHER-ORDER ORDINARY DIFFERENTIAL EQUATIONS USING 2-POINT BLOCK METHOD DIRECTLY HAZIZAH MOHD IJAM,1 MOHAMED SULEIMAN,2 AHMAD FADLY

ABSTRACT AND APPLIED ANALYSIS

2014 JOURNAL SCOPUS CO-AUTHOR

## 99. LOCALIZATION OF FOURIER-LAPLACE SERIES OF DISTRIBUTIONS

MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES

2013 JOURNAL SCOPUS MAIN AUTHOR

## 100. ON THE SUFFICIENT CONDITIONS OF THE LOCALIZATION OF THE FOURIER-LAPLACE SERIES OF DISTRIBUTIONS FROM LIOUVILLE CLASSES

JOURNAL OF PHYSICS.: CONF. SER

2013 JOURNAL SCOPUS MAIN AUTHOR

## 101. SOLUTION OF HIGHER ORDER ODES USING BACKWARDS DIFFERENCE METHOD

MATHEMATICAL PROBLEMS IN ENGINEERING

2011 JOURNAL WOS CO-AUTHOR

# CONSULTATION

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## 1. MATHEMATICAL EDUCATION

BEIJING WUZI UNIVERSITY

2022

INTERNATIONAL

# AWARDS/RECOGNITION

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## 1. EXPLORING FLOW STABILITY: INFLUENCE OF SLIP, SORET, AND DUFOUR ON CU-WATER NANOFLUID OVER A STRETCHING/SHRINKING SHEET

Semarak International Research Innovation Symposium IV (SIRIS IV)

2025 ANTARABANGSA GOLD

## 2. ANUGERAH KECEMERLANGAN STAF

2024 UNIVERSITY

## 3. BRONZE MEDAL

2024 NATIONAL

## 4. ACADEMIC ADVISOR

USIM-KPT

2024 NATIONAL

## 5. ACADEMIC ADVISOR

USIM-KPT

2024 NATIONAL

## 6. ACADEMIC ADVISOR

USIM-KPT

2024 NATIONAL

## 7. ACADEMIC ADVISOR

USIM-KPT

2024 NATIONAL

## 8. MATHQUEST: EMPOWERING COMMUNITY WITH NUMERACY SKILLS FOR FINANCIAL CONFIDENCE

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

## 9. MASTERING SECURITY TERMS THROUGH BOARD GAME

EAST COAST SCHOOLS EDUCATION RESEARCH SYMPOSIUM (ECSERS) 2024

2024 KEBANGSAAN SILVER

## 10. ANUGERAH KUALITI H-INDEX (SCOPUS)

2022 UNIVERSITY

## 11. ANUGERAH KUALITI MAKALAH JURNAL

2022 UNIVERSITY

## 12. ANUGERAH KUALITI MAKALAH JURNAL

2022 UNIVERSITY

## 13. ANUGERAH PERKHIDMATAN CEMERLANG

2022 UNIVERSITY

## 14. ACADEMIC ADVISOR

4TH INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES AND STATISTICS, UNIVERSITI PUTRA MALAYSIA

2022 INTERNATIONAL

# AWARDS/RECOGNITION

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## 15. SOLVING NONSTIFF HIGHER ORDER ODES DIRECTLY USING VARIABLE ORDER STEP SIZE BACKWARD DIFFERENCE FORMULATION

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI BRONZE

## 16. ILLUSTRATIVE CALCULUS FOR BEGINNERS

INNOVATION BANK CHALLENGE (IBC 2022)

2022 UNIVERSITI SILVER

## 17. MINECRAFT-ED LEARN ADDITIONAL MATHEMATICS VIA AN INTERACTIVE APPROACH

INTERNATIONAL COMPETITION AND EXHIBITION ON COMPUTING INNOVATION 2022 (iCE-CInno 2022)

2022 ANTARABANGSA GOLD

## 18. ALTERNATIVE ASSESSMENT FOR ADDITIONAL MATHEMATICS AND ENGLISH SUBJECTS IN SCHOOL

INTERNATIONAL PUTRA INNOCREATIVE CARNIVAL IN TEACHING AND LEARNING 2022 (PICTL 2022)

2022 ANTARABANGSA SILVER

## 19. ANUGERAH PENERBITAN JURNAL

2021 UNIVERSITY

## 20. ILLUSTRATIVE CALCULUS FOR BEGINNERS

PERTANDINGAN INOVASI INTER-ASASI MATRIKULASI UNIVERSITI AWAM (PIITRAM 2021)

2021 KEBANGSAAN GOLD

## 21. ILLUSTRATIVE CALCULUS FOR BEGINNERS

International Putra InnoCreative Poster Competition PicTL 2021

2021 ANTARABANGSA SILVER

## 22. MURABBI INTERACTIVE ACADEMIC RESUME

PENDAFTARAN HARTA INTELEK 2021

2021 KEBANGSAAN

## 23. BACKWARD DIFFERENCE FIXED ORDER AND STEPSIZE ALGORITHM

PENDAFTARAN HARTA INTELEK 2021

2021 KEBANGSAAN

## 24. ACADEMIC ADVISOR

INTERNATIONAL ONLINE STEM OLYMPIAD - ORGANIZED BY INTERNATIONAL GAME COLLEGE AND UNIVERSITY OF WISSEN

2020 INTERNATIONAL

## 25. UWP JOURNAL WRITER AWARD

2019 UNIVERSITY

## 26. UWP JOURNAL WRITER AWARD

2017 UNIVERSITY