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Address: 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

BIOGRAPHY

A lecturer from Fakulti Ekonomi Dan Muamalat. Holds a Phd in Pure Mathematics.

ACADEMIC QUALIFICATION

Phd in Pure Mathematics (2015)

Master in Numerical Analysis (2010)

Bachelor in Mathematics (2006)

RESEARCH

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

2024

ON GOING

MAIN RESEARCHER

2. NUMERICAL APPROACH FOR ANALYZING ASSET PRICES

2023

ON GOING

MAIN RESEARCHER

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

2017

COMPLETED

MAIN RESEARCHER

PUBLICATION

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

2025 JOURNAL

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

2025 JOURNAL

3. CASH TRAIL ADVENTURE: GAMIFIED LEARNING FOR NUMERACY, FINANCIAL LITERACY, AND ISLAMIC FINANCE IN THE 4IR ERA

2025 PROCEEDING

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

2025 PROCEEDING

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

2024 JOURNAL

6. FINANCIAL LITERACY AND FINANCIAL ANXIETY IN MALAYSIA: DETERMINANTS AND BEHAVIOURAL INFLUENCES

2024 JOURNAL

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

2024 PROCEEDING

8. THE ANALYSIS OF FINANCIAL LITERACY THAT INFLUENCES FINANCIAL ANXIETY AMONG MALAYSIANS

2024 PROCEEDING

9. NUMERICALLY INVESTIGATING THE EFFECTS OF SLIP AND THERMAL CONVECTIVE ON NANOFLUID BOUNDARY LAYER PAST A STRETCHING/SHRINKING SURFACE

2023 JOURNAL

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

2023 BOOK

11. NUMERICAL ANALYSIS ON CHAOS ATTRACTORS USING A BACKWARD DIFFERENCE FORMULATION

2022 JOURNAL

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

2022 JOURNAL

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

2022 PROCEEDING

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

2022 PROCEEDING

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

2021 JOURNAL

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

2020 JOURNAL

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

2020 JOURNAL

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

2020 JOURNAL

19. ON THE UNIFORM SUMMABILITY OF THE FOURIER-LAPLACE SERIES ON THE SPHERE

2020 JOURNAL

20. NUMERICAL APPROXIMATION OF RICCATI TYPE DIFFERENTIAL EQUATIONS

2020 JOURNAL

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

2019 JOURNAL

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

2019 CHAPTER IN BOOK

23. SUMMATION BY RIESZ MEANS OF THE FOURIER-LAPLACE SERIES

2018 JOURNAL

24. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

2018 JOURNAL

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

2018 JOURNAL

26. A BACKWARD DIFFERENCE FORMULATION FOR SOLVING DUFFING-VAN DER POL TYPE OSCILLATORS

2018 JOURNAL

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

2018 PROCEEDING

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

2017 JOURNAL

29. ABSENCE OF LOCALIZATION OF FOURIER-LAPLACE SERIES

2017 JOURNAL

30. UNIFORM CONVERGENCE OF THE FOURIER-LAPLACE SERIES

2017 JOURNAL

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

2017 JOURNAL

32. VARIABLE ORDER VARIABLE STEPSIZE ALGORITHM FOR SOLVING NONLINEAR DUFFING OSCILLATOR

2017 JOURNAL

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

2017 JOURNAL

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

2017 JOURNAL

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

2017 PROCEEDING

36. SOLUTION FOR NONLINEAR RICCATI EQUATION BY BLOCK METHOD

2017 PROCEEDING

37. 2 POINT BLOCK BACKWARD DIFFERENCE METHOD FOR SOLVING RICCATI TYPE DIFFERENTIAL PROBLEMS

2016 JOURNAL

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

2016 JOURNAL

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

2016 PROCEEDING

40. UNIFORM CONVERGENCE OF THE FOURIER-LAPLACE SERIES

2016 PROCEEDING

41. ABSENCE OF LOCALIZATION OF FOURIER-LAPLACE SERIES

2016 PROCEEDING

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

2015 JOURNAL

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

2014 JOURNAL

44. LOCALIZATION OF FOURIER-LAPLACE SERIES OF DISTRIBUTIONS

2013 JOURNAL

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

2013 JOURNAL

CONSULTATION/ADULATION

1. MATHEMATICAL EDUCATION

2022 INTERNATIONAL BEIJING WUZI UNIVERSITY

AWARDS/RECOGNITION

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

2025

Antarabangsa

Gold

2. ANUGERAH KECEMERLANGAN STAF

2024

UNIVERSITY

3. BRONZE MEDAL

2024

NATIONAL

4. ACADEMIC ADVISOR

2024

NATIONAL

5. ACADEMIC ADVISOR

2024

NATIONAL