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MOHD FARED BIN
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PENSYARAH UNIVERSITI DS14

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Faculty: Fakulti Sains
Dan Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 2

Master - Completed: 1,
Ongoing: 0

AREAS OF EXPERTISE

Digital Security Risk Management

Information System Security

ACADEMIC QUALIFICATION

PhD in Microengineering And Nanoelect (2012)

Master in Computer Science (2003)

Bachelor in Electronic And Information En (1996)

RESEARCH

1. SISTEM WUDUK JIMAT AIR

2024 GERAN PENYELIDIKAN LAB2MARKET ON GOING MAIN
RESEARCHER

2. PROGRAM: PIG SKIN LEATHER DETECTION USING NIR SPECTROSCOPY AND CHEMOMETRICS TECHNIQUE PROJEK: PIG SKIN LEATHER DETECTION USING NIR SPECTROSCOPY AND CHEMOMETRICS TECHNIQUE

2023 GERAN PENYELIDIKAN TRANSDISIPLINARI ON GOING MAIN
RESEARCHER

PUBLICATION

1. RAPID AUTHENTICATION OF PIG LEATHER AND SYNTHETIC ALTERNATIVES USING NIR SPECTROSCOPY AND CHEMOMETRICS APPROACH

MALAYSIAN JOURNAL OF SCIENCE, HEALTH & TECHNOLOGY

2025 JOURNAL OTHER DATABASE MAIN AUTHOR

2. APPLICATION OF AN UNSUPERVISED CHEMOMETRIC TECHNIQUE WITH FTIR SPECTROSCOPY IN LEATHER MATERIAL CLASSIFICATION

MALAYSIAN JOURNAL OF CHEMISTRY (MJCHEM)

2025 JOURNAL OTHER DATABASE CORRESPONDING AUTHOR

3. PENGURUSAN RISIKO KESELAMATAN MAKLUMAT: PENGAJARAN DARI SIRAH

SAIS2025

2025 PROCEEDING NON-INDEX MAIN AUTHOR

4. EVOLUSI PENGURUSAN KESELAMATAN SIBER ORGANISASI: SEJARAH, CABARAN DAN MASA DEPAN

EVOLUSI SAINS SOSIAL DAN TEKNOLOGI: SEJARAH, CABARAN & MASA DEPAN

2025 CHAPTER IN BOOK MAIN AUTHOR

5. OVERVIEW OF THE DIFFERENT HALAL CERTIFICATION SCHEME IN MALAYSIA

SAIS2024

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

6. PENGURUSAN RISIKO KESELAMATAN SIBER DENGAN NILAI-NILAI ISLAM

SAIS2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

7. CYBERSECURITY MATURITY FRAMEWORK FOR INTERNATIONAL AIRPORTS IN MALAYSIA: A SYSTEMATIC LITERATURE REVIEW (SLR)

JOURNAL OF INFORMATION AND KNOWLEDGE MANAGEMENT (JIKM)L

2023 JOURNAL MYCITE CO-AUTHOR

8. TEKNOLOGI PENJIMATAN AIR KETIKA MENGAMBIL WUDHU DAN PERSPEKTIF PENGGUNA

SEMINAT ANTARABANGSA SAINS DAN ISLAM (SAIS2023)

2023 PROCEEDING NON-INDEX MAIN AUTHOR

9. ANALYSIS OF LARD IN PALM OIL USING LONG-WAVE NEAR-INFRARED (LW-NIR) SPECTROSCOPY AND GAS CHROMATOGRAPHY-MASS SPECTROSCOPY (GC-MS)

FOOD ANALYTICAL METHODS

2022 JOURNAL ERA MAIN AUTHOR / CONTACT PERSON IN USIM

10. MAAHAD@HOME : PEMBANGUNAN RANGKA KERJA DAN KAJIAN RINTIS

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS 2022)

2022 PROCEEDING NON-INDEX MAIN AUTHOR

11. PREVENTION OF SENSITIVE INFORMATION LEAKAGE IN BUSINESS ORGANIZATION: A VIEW FROM MAQASID ALSHARIAH PERSPECTIVE

IC-DAIM 2021 INTERNATIONAL CONFERENCE ON DA'WAH AND ISLAMIC MANAGEMENT

2021 PROCEEDING NON-INDEX MAIN AUTHOR

12. KESEDARAN TERHADAP PERLINDUNGAN KETIRISAN MAKLUMAT DIGITAL MENURUT PERSPEKTIF ISLAM

SEMINAR ANTARABANGSA ISLAM DAN SAINS (SAIS) 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

13. CLASSIFICATION OF COW MILK USING ARTIFICIAL NEURAL NETWORK DEVELOPED FROM THE SPECTRAL DATA OF SINGLE-AND THREE-DETECTOR SPECTROPHOTOMETERS

FOOD CHEMISTRY

2019 JOURNAL ISI MAIN AUTHOR

PUBLICATION

14. FT-NIR, MICRONIR AND LED-MICRONIR FOR DETECTION OF ADULTERATION IN PALM OIL VIA PLS AND LDA

ANALYTICAL METHODS

2018 JOURNAL SCOPUS MAIN AUTHOR

15. DETECTING BEEF TALLOW ADULTERATION IN PALM OIL WITH DETECTING BEEF TALLOW ADULTERATION IN PALM OIL WITH NIR SPECTROSCOPY AND CHEMOMETRICS ANALYSIS

INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING

2018 JOURNAL ERA MAIN AUTHOR

16. CLASSIFICATION AND QUANTIFICATION OF PALM OIL ADULTERATION VIA PORTABLE NIR SPECTROSCOPY

SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY

2016 JOURNAL ERA MAIN AUTHOR

17. FEASIBILITY STUDY OF DETECTING CANOLA OIL ADULTERATION WITH PALM OIL USING NIR SPECTROSCOPY AND MULTIVARIATE ANALYSIS

INTERNATIONAL CONFERENCE ON INFORMATION, COMMUNICATION TECHNOLOGY AND SYSTEM (ICTS) 2014

2014 PROCEEDING NON-INDEX CO-AUTHOR

18. WEAK+VACUUM AND ONE DECOY STATE WITH TWO WAY QKD PROTOCOL

OPEN SYSTEMS & INFORMATION DYNAMICS

2013 JOURNAL ISI MAIN AUTHOR

19. IMPLEMENTATION OF TWO-WAY FREE SPACE QUANTUM KEY DISTRIBUTION

OPTICAL ENGINEERING

2012 JOURNAL ISI MAIN AUTHOR

20. IMPLEMENTATION OF TWO WAY QUANTUM KEY DISTRIBUTION PROTOCOL WITH DECOY STATE

OPTICS COMMUNICATIONS

2012 JOURNAL ISI MAIN AUTHOR

CONSULTATION

1. PANEL PENYEMAK GARIS PANDUAN PENGURUSAN RISIKO KESELAMATAN SIBER

AGENSI KESELAMATAN SIBER NEGARA (NACSA)

2023

NATIONAL

2. AHLI PANEL PEMERIKSA LUAR PROGRAM IJAZAH SARJANA MUDA SAINS KOMPUTER (KESELAMATAN SISTEM KOMPUTER) DENGAN KEPUJIAN, FAKULTI SAINS DAN TEKNOLOGI PERTAHANAN, UNIVERSITI PERTAHANAN NASIONAL MALAYSIA (UPNM)

UNIVERSITI PERTAHANAN NASIONAL MALAYSIA (UPNM)

2023

NATIONAL

3. PANEL PENYEMAK GARIS PANDUAN PENILAIAN TAHAP KESELAMATAN RANGKAIAN DAN SISTEM ICT SEKTOR AWAM.

AGENSI KESELAMATAN SIBER NEGARA (NACSA)

2023

NATIONAL

4. PENSIJILAN PROFESIONAL GLOBAL ACE PENETRATION TESTER

KPT

2022

NATIONAL

AWARDS/RECOGNITION

1. LEATHER CLASSIFICATION BASED ON NEAR-INFRARED SPECTROSCOPY AND CHEMOMETRICS ANALYSIS

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA GOLD

2. IMAM TARAWIH ? PLATFORM PADANAN IMAM TAHFIZ DAN MASJID UNTUK RAMADAN

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

3. NATIONAL CYBER SECURITY BASELINE ASSESSMENT SYSTEM

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

4. LEATHER CLASSIFICATION BASED ON FTIR AND CHEMOMETRICS ANALYSIS

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI GOLD