

Profile Image

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PENSYARAH UNIVERSITI DS14

## CONTACT

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**Faculty:** Fakulti Sains Dan  
Teknologi

## SUPERVISION

PhD - Completed: 3, Ongoing: 8

Master - Completed: 1, Ongoing: 2

## AREAS OF EXPERTISE

Wireless Technology

Computer Security

Forensic Issues

Cyber Law

## ACADEMIC QUALIFICATION

PhD in Digital Forensic / Computer Security (2012)

## RESEARCH

1. DEVELOPMENT OF SMART LUGGAGE TROLLEY TRACKING SYSTEM (S-TRACKER) USING NB-IOT TECHNOLOGIES FOR SUSTAINABLE LOGISTIC MANAGEMENT AT KUALA LUMPUR INTERNATIONAL AIRPORT

2025

GERAN KPT

ON GOING

MAIN RESEARCHER

2. DEVELOPMENT OF SMART LUGGAGE TROLLEY TRACKING SYSTEM (S-TRACKER) USING NB-IOT TECHNOLOGY

2024

GERAN PENYELIDIKAN INDUSTRI

ON GOING

MAIN RESEARCHER

3. SMART CROPS: CIRCADIAN RHYTHMS OPTIMIZATION (CROPS) IN HEALTHCARE SHIFT WORKERS USING DEEP LEARNING APPROACH

2024

GERAN PENYELIDIKAN INDUSTRI

ON GOING

MAIN RESEARCHER

4. INTEGRATING CLINICAL ASSESSMENT WITH MACHINE LEARNING FOR DETECTING ONLINE DEPRESSIVE SYMPTOMS AMONG MEDICAL STUDENTS THROUGH SOCIAL MEDIA TEXTS

2024

BIDUNI MIZANNIYAH

ON GOING

MAIN RESEARCHER

5. TERMITES TRACKER: AUTOMATIC CLASSIFICATION OF TERMITES GENERA IMAGES USING DEEP LEARNING CLASSIFIER APPROACH FOR ENTOMOLOGISTS IN BORNEO ISLAND

2023

GERAN SEPADAN AGENSI KERAJAAN

ON GOING

MAIN

RESEARCHER

# RESEARCH

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## 6. MISMIS RESOURCE PLANNING ANALYTICS SYSTEM (MRPAS)

2020 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED MAIN RESEARCHER

## 7. STRATEGY DEVELOPMENT ON E-LEARNING SOFTWARE PLATFORM

2020 GERAN PENYELIDIKAN INDUSTRI COMPLETED MAIN RESEARCHER

## 8. KIPLE FRAUD MANAGEMENT SYSTEM

2019 PROJEK REVOLUSI INDUSTRI 4.0 COMPLETED MAIN RESEARCHER

## 9. NOVEL INTERNET OF MEDICAL THINGS (IOMT) BASED DATA MANAGEMENT ALGORITHM TO TRANSFORM TRADITIONAL RESUSCITATION ROOM PROCEDURE TO SMART RESUSCITATION ROOM.

2019 GERAN KPT COMPLETED MAIN RESEARCHER

## 10. INTERACTIVE AND AUTOMATED COURSE SCHEDULING SYSTEM, FOR USIM

2016 GERAN PENYELIDIKAN TRANSNASIONAL COMPLETED MAIN RESEARCHER

## 11. MOBILE FORENSIC EVIDENCE EXTRACTION TOOL (D-MOBILE)

2015 GERAN PENYELIDIKAN JANGKA PENDEK COMPLETED MAIN RESEARCHER

# PUBLICATION

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## 1. MACHINE LEARNING-BASED CLASSIFICATION OF TERMITE GENERA

2024 IEEE INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE IN ENGINEERING AND TECHNOLOGY (IICAET)

2024 JOURNAL SCOPUS MAIN AUTHOR

## 2. GUIDELINES TO PREVENT SOCIAL ENGINEERING ATTACKS FOR LAW ENFORCEMENT AGENCY

8TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY AND SOCIETY 2024 (ICITS 2024)

2024 PROCEEDING SCOPUS MAIN AUTHOR

## 3. CYBERSECURITY ISSUES AND CHALLENGES IN QUANTUM COMPUTING

TOPICS IN ARTIFICIAL INTELLIGENCE APPLIED TO INDUSTRY 4.0

2024 CHAPTER IN BOOK MAIN AUTHOR

## 4. CLASSIFICATION OF FILELESS MALWARE UNDER ADVANCED PERSISTENT THREAT (APT) ATTACK

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES (I-CREST)

2023 PROCEEDING SCOPUS MAIN AUTHOR

## 5. CLASSIFICATION OF FILELESS MALWARE UNDER ADVANCED PERSISTENT THREAT (APT) ATTACK

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES

2023 PROCEEDING SCOPUS MAIN AUTHOR

## 6. PREDICTION MODEL FOR HEART DISEASE USING CLUSTERING AND CLASSIFICATION TECHNIQUES.

PROCEEDINGS OF RAZAK ANNUAL TECHNOLOGY, INFORMATICS AND POLICY SEMINAR (RATIPS 2023)

2023 PROCEEDING SCOPUS MAIN AUTHOR

## 7. PROPOSED CYBER HARASSMENT MODEL FOR SOCIAL MEDIA USERS IN MALAYSIA

INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICES IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES

2023 PROCEEDING SCOPUS MAIN AUTHOR

## 8. INFORMATION SECURITY POLICY COMPLIANCE BEHAVIOR MODELS, THEORIES, AND INFLUENCING FACTORS: A SYSTEMATIC LITERATURE REVIEW

JOURNAL OF THEORETICAL & APPLIED INFORMATION TECHNOLOGY (JATIT)

2022 JOURNAL SCOPUS MAIN AUTHOR

## 9. ENHANCED SPATIAL PYRAMID POOLING AND INTERSECTION OVER UNION IN YOLOV4 FOR REAL-TIME GROCERY RECOGNITION SYSTEM

JOURNAL OF THEORETICAL AND APPLIED INFORMATION TECHNOLOGY

2022 JOURNAL SCOPUS AND ERA MAIN AUTHOR

## 10. SECURING DATA USING DEEP HIDING SELECTED THE LEAST SIGNIFICANT BIT AND ADAPTIVE SWARM ALGORITHM

INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

2022 JOURNAL SCOPUS MAIN AUTHOR

## 11. AN EFFECTUAL SECURED APPROACH AGAINST SYBIL ATTACKS IN WIRELESS NETWORKS

INTERNATIONAL JOURNAL OF INTERACTIVE MOBILE TECHNOLOGIES (IJIM)

2022 JOURNAL SCOPUS AND ERA MAIN AUTHOR

## 12. PROPOSED CLOUD COMPUTING RISK ASSESSMENT FRAMEWORK FOR FINANCIAL INSTITUTIONS

7TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY & SOCIETY

2022 PROCEEDING SCOPUS MAIN AUTHOR

## 13. A CLOUD COMPUTING ADOPTION CHALLENGES IN FINANCIAL INSTITUTION.

7TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY & SOCIETY, (ICITS 2022)

2022 PROCEEDING SCOPUS MAIN AUTHOR

## PUBLICATION

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### 14. A CLOUD COMPUTING ADOPTION CHALLENGES IN FINANCIAL INSTITUTION

RAZAK ANNUAL TECHNOLOGY, INFORMATICS AND POLICY SEMINAR 2021 (RATIPS 2021),

2021 PROCEEDING NON-INDEX MAIN AUTHOR

### 15. CYBERCOP

2021 BOOK MAIN AUTHOR

### 16. CYBERCRIME ISSUES IN SMART CITIES NETWORKS AND PREVENTION USING ETHICAL HACKING

DATA-DRIVEN MINING, LEARNING AND ANALYTICS FOR SECURED SMART CITIES

2021 CHAPTER IN BOOK MAIN AUTHOR

### 17. A REVIEW ON RISK ASSESSMENT USING RISK PREDICTION TECHNIQUE IN THE CAMPUS NETWORK

INTERNATIONAL JOURNAL OF ADVANCED TRENDS IN COMPUTER SCIENCE AND ENGINEERING

2020 JOURNAL SCOPUS MAIN AUTHOR

### 18. INFORMATION SECURITY COMPLIANCE FRAMEWORK FOR DATA CENTER IN UTILITY COMPANY

MYJICT - MALAYSIAN JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY

2020 JOURNAL OTHER DATABASE MAIN AUTHOR

### 19. EVALUATION OF TOURISM INFORMATION ACCURACY ASSESSMENT FRAMEWORK

MYJICT - MALAYSIAN JOURNAL OF INFORMATION AND COMMUNICATION TECHNOLOGY

2020 JOURNAL OTHER DATABASE MAIN AUTHOR

### 20. INDUSTRIAL INTERNET OF THINGS (IIOT) OF FORENSIC AND VULNERABILITIES

INTERNATIONAL JOURNAL OF RECENT TECHNOLOGY AND ENGINEERING

2020 JOURNAL SCOPUS MAIN AUTHOR

### 21. SYSTEMATIC LITERATURE REVIEW OF INFORMATION SECURITY COMPLIANCE BEHAVIOUR THEORIES

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2020 JOURNAL SCOPUS MAIN AUTHOR

### 22. GRAPH ANALYSIS STUDY OF A CITY BUS TRANSIT NETWORK

JOURNAL OF PHYSICS.: CONFERENCE SERIES

2020 JOURNAL SCOPUS MAIN AUTHOR

### 23. A REVIEW ON RISK ASSESSMENT USING RISK PREDICTION TECHNIQUE IN THE CAMPUS NETWORK

INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION SECURITY 2020

2020 PROCEEDING NON-INDEX MAIN AUTHOR

### 24. INFORMATION SECURITY COMPLIANCE FRAMEWORK FOR DATA CENTER IN UTILITY COMPANY

6TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY & SOCIETY

2020 PROCEEDING NON-INDEX MAIN AUTHOR

### 25. EVALUATION OF TOURISM INFORMATION ACCURACY ASSESSMENT FRAMEWORK

6TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY & SOCIETY

2020 PROCEEDING NON-INDEX MAIN AUTHOR

### 26. PROPOSED CUSTOMER'S SENSITIVE INFORMATION PRIVACY MODEL FOR FINANCIAL INSTITUTION

2019 INTERNATIONAL CONFERENCE ON COMPUTING, ELECTRONICS & COMMUNICATIONS ENGINEERING (ICCECE)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

## PUBLICATION

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### 27. DETECTING FALSE MESSAGES IN THE SMARTPHONE FAULT REPORTING SYSTEM

EMERGING TRENDS IN INTELLIGENT COMPUTING AND INFORMATICS

2019 PROCEEDING NON-INDEX MAIN AUTHOR

### 28. TRANSFORMATIVE CYBER SECURITY MODEL FOR MALAYSIAN GOVERNMENT AGENCIES

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY

2018 JOURNAL SCOPUS MAIN AUTHOR

### 29. COMPARATIVE STUDIES ON MOBILE FORENSIC EVIDENCE EXTRACTION OPEN SOURCE SOFTWARE FOR ANDROID PHONE

AMERICAN SCIENTIFIC PUBLISHERS ADVANCED SCIENCE LETTERS

2017 JOURNAL WOS MAIN AUTHOR

### 30. PROPOSED SEED PIXEL REGION GROWING SEGMENTATION AND ARTIFICIAL NEURAL NETWORK CLASSIFIER FOR DETECTING THE RENAL CALCULI IN ULTRASOUND IMAGES FOR UROLOGIST DECISIONS

IJCSI INTERNATIONAL JOURNAL OF COMPUTER SCIENCE ISSUES

2016 JOURNAL WOS MAIN AUTHOR

### 31. INTERNET OF THINGS(IOT) DIGITAL FORENSIC INVESTIGATION MODEL: TOP-DOWN FORENSIC APPROACH METHODOLOGY

THE FIFTH INTERNATIONAL CONFERENCE ON DIGITAL INFORMATION PROCESSING AND COMMUNICATIONS (ICDIPC2015)

2015 PROCEEDING NON-INDEX MAIN AUTHOR

### 32. INTERACTIVE DATA MINING: A SHORT BACKGROUND STUDY ON EFFECTIVE INTERACTION AND VISUALIZATION BY ASSOCIATION RULES

2ND INTERNATIONAL CONFERENCE ON INNOVATIVE ENGINEERING TECHNOLOGIES (ICIET"2015)

2015 PROCEEDING NON-INDEX MAIN AUTHOR

### 33. SEMANTIC EXTRACTOR TOOL: MATLAB RESULTS AND EVALUATION ON SEMATIC EXTRACTION IN SPORTS VIDEO

INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS, DATA MINING AND INFORMATION TECHNOLOGY (ICIDIT? 2014)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

### 34. NEW IMPROVEMENT IN DIGITAL FORENSIC STANDARDS OPERATING PROCEDURE (SOP)

PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON COMPUTING AND INFORMATICS, ICOCI

2011 PROCEEDING NON-INDEX MAIN AUTHOR

### 35. JUMPSTART ON DIGITAL FORENSIC INVESTIGATION FOCUSING INTO MOBILE PDA

NATIONAL CONFERENCE ON INFORMATION RETRIEVAL AND KNOWLEDGE MANAGEMENT (CAMP08)

2008 PROCEEDING NON-INDEX MAIN AUTHOR

### 36. ?THE SUCCESS FRAMEWORK TRANSITION FROM GOVERNMENT TO E-GOVERNANCE

INTERNATIONAL CONFERENCE ON E-GOVERNANCE

2008 PROCEEDING NON-INDEX MAIN AUTHOR

### 37. COMPUTER FORENSICS WITH IMPROVED FRAMEWORK MODEL

18TH INTERNATIONAL ASSOCIATION OF FORENSIC SCIENCES

2008 PROCEEDING NON-INDEX MAIN AUTHOR

### 38. SUCCESSFUL IT TECHNICAL FRAMEWORK FOR E-GOVERNANCE BASED ON MALAYSIAN CASE STUDY

INTERNATIONAL CONFERENCE ON E-GOVERNANCE

2007 PROCEEDING NON-INDEX MAIN AUTHOR

### 39. THE SUCCESS MODEL OF EVOLUTIONS FROM GOVERNMENT TO E-GOVERNANCE

INTERNATIONAL CONFERENCE ON E-GOVERNANCE

2006 PROCEEDING NON-INDEX MAIN AUTHOR

## CONSULTATION

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### 1. KIPLE PAY MAINTANACE

KIPLE PAY SDN.BHD

2021

NATIONAL

### 2. MISMIS RESOURCE PLANNING ANALYTICS SYSTEM MRPAS)

FUNDER:KPT(PPRN) / NFA TECHNOLOGIES SDN BHD

2020

NATIONAL

### 3. STRATEGY DEVELOPMENT ON E-LEARNING SOFTWARE

AXCELASIA SOFTNEX

2020

INTERNATIONAL

### 4. KIPLE FRAUD MANAGEMENT SYSTEM

WEB ONLINE SDN BHD

2019

INTERNATIONAL

### 5. MRP SYSTEM DEVELOPMENT

INDKOM ENGINEERING

2017

NATIONAL

## AWARDS/RECOGNITION

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### 1. INDIVIDU YANG MENYUMBANG MYRA TERTINGGI

2022

UNIVERSITY

### 2. CERTIFICATE OF MERIT

2022

INTERNATIONAL

### 3. EMAS

2022

INTERNATIONAL

### 4. ACADEMIC ADVISOR

CYBERSECURITY MALAYSIA (CSM)

2022

INTERNATIONAL

### 5. ADJUNCT PROFESSOR

VEL TECH RANGARAJAN DR.SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY

2022

INTERNATIONAL