

Profile Image

PROF. MADYA DR. WAIDAH BINTI ISMAIL

PENSYARAH UNIVERSITI DS14

CONTACT

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Faculty: Fakulti Sains
Dan Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 2

Master - Completed: 4,
Ongoing: 0

AREAS OF EXPERTISE

Artificial Intelligence

ACADEMIC QUALIFICATION

PhD in Information System & Computing Research (2012)

Master in Information Technology (2004)

Bachelor in Computer Science (1997)

RESEARCH

1. AI-BASED FALLERT DETECTION SYSTEM

2024 GERAN KPT ON GOING MAIN RESEARCHER

2. AI-BASED FALLERT DETECTION SYSTEM

2024 GERAN PENYELIDIKAN INDUSTRI ON GOING MAIN RESEARCHER

3. ENHANCING DECISION MAKING PROCESS FOR RETURN-TO-WORK (RTW) ASSESSMENT IN REHABILITATION CLINIC USING HORN CLAUSE TECHNIQUE

2019 GERAN KPT COMPLETED MAIN RESEARCHER

4. INTELLIREHAB - INTELLIGENT MEDICAL SYSTEM WITH CUSTOMISED EXERCISES FOR PERSONALIZED HOME TELEREHABILITATION

2016 GERAN ANTARABANGSA COMPLETED MAIN RESEARCHER

5. AN EMOTION MODEL FOR QURANIC THERAPY ON BRAINWAVE PATTERNS

2013 GERAN KPT COMPLETED MAIN RESEARCHER

RESEARCH

6. A NEW TOPOLOGY SEGMENTATION ALGORITHM FOR X-RAY IMAGES

2013

GERAN KPT

COMPLETED

MAIN RESEARCHER

7. AUTOMATED DETECTION AND CLASSIFICATION OF TOOTH DEVELOPMENT STAGES (TDS) IMAGES USING TOPOLOGY SEGMENTATION AND NEURAL NETWORK

2013

GERAN PENYELIDIKAN KOMPETITIF BERPASUKAN

COMPLETED

MAIN RESEARCHER

8. STATUS INFORMATION SECURITY MANAGEMENT SYSTEM POLICY BASED ON BS7799 FOR IT DEPARTMENT IN IPTA IN NEARBY LEMBAH KLANG

2006

GERAN PENYELIDIKAN PANTAS BAWAH SETAHUN

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. WATER TREATMENT AND ARTIFICIAL INTELLIGENCE TECHNIQUES: A SYSTEMATIC LITERATURE REVIEW RESEARCH

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH

2023 JOURNAL ERA MAIN AUTHOR

2. USABILITY EVALUATION OF EXERCISE GAMES FOR MEDICAL INTERACTIVE REHABILITATION ASSISTANCE (MIRA) SYSTEM FOR TELE-REHABILITATION

INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY (ICAST)

2022 PROCEEDING SCOPUS MAIN AUTHOR

3. CLASSIFICATION AND OPTIMISATION IN DATA ANALYSIS: AN IMPLEMENTATION AND TYPE USED IN REHABILITATION THERAPY

2022 BOOK MAIN AUTHOR

4. A COMPREHENSIVE OVERVIEW OF SMART WEARABLES: THE STATE OF THE ART LITERATURE, RECENT ADVANCES, AND FUTURE CHALLENGES

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE

2020 JOURNAL ERA MAIN AUTHOR

5. STUDENTS ACTIVITY RECOGNITION BY HEART RATE MONITORING IN CLASSROOM USING K-MEANS CLASSIFICATION

JOURNAL OF INFORMATION SYSTEMS ENGINEERING AND BUSINESS INTELLIGENCE

2020 JOURNAL OTHER DATABASE MAIN AUTHOR

6. UNDERSTANDING SERVICE-ORIENTED ARCHITECTURE (SOA): A SYSTEMATIC LITERATURE REVIEW AND DIRECTIONS FOR FURTHER INVESTIGATION

INFORMATION SYSTEMS

2020 JOURNAL ERA MAIN AUTHOR

7. A REVIEW CLINICAL DECISION SUPPORT SYSTEM USING ONTOLOGY

INTERNATIONAL JOURNAL OF ADVANCED SCIENCE AND TECHNOLOGY

2020 JOURNAL ERA MAIN AUTHOR

8. INTELLIGENT REHABILITATION VOLUME 1

2020 BOOK MAIN AUTHOR

9. A STRUCTURAL MODEL OF HEALTHCARE PERSONNNEL READINESS FOR TELEREHABILITATION

2020 BOOK MAIN AUTHOR

10. INTELLIGENT REHABILITATION VOLUME 2

2020 BOOK MAIN AUTHOR

11. A CONCEPTUAL MODEL OF HYBRID MONITORING REHABILITATION PROGRESS OF STROKE PATIENTS: A CASE STUDY OF A PUBLIC TERTIARY HOSPITAL IN MALAYSIA PUBLISHER: IEEE

2019 IEEE 6TH INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND APPLICATIONS (ICIEA)

2019 PROCEEDING NON-INDEX MAIN AUTHOR

12. TELEREHABILITATION TOWARDS SUSTAINABILITY FOR MODERN TREATMENT

SUSTAINABILITY DEVELOPMENT INITIATIVE DIALOGUE

2019 PROCEEDING NON-INDEX MAIN AUTHOR

13. READINESS OF INFORMATION SECURITY MANAGEMENT SYSTEMS (ISMS) POLICY ON HOSPITAL STAFF USING E-PATUH SYSTEM

JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING

2018 JOURNAL SCOPUS MAIN AUTHOR

PUBLICATION

14. INDUSTRI HALAL: TEKNOLOGI DAN PENGURUSAN MAKLUMAT

2018 BOOK MAIN AUTHOR

15. AN ADAPTIVE THRESHOLDING METHOD FOR SEGMENTING DENTAL X-RAY IMAGES

JOURNAL OF TELECOMMUNICATION, ELECTRONIC AND COMPUTER ENGINEERING (JTEC)

2017 JOURNAL SCOPUS MAIN AUTHOR

16. GREEN TECHNOLOGY WRIST BAND WITH PATIENT IDENTIFICATION NEAR FIELD COMMUNICATION (NFC) OR RADIO FREQUENCY IDENTIFICATION (RFID) SECURITY FEATURES

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS MAIN AUTHOR

17. ORTHOPANTOMOGRAPHS FUZZY SEGMENTATION FOR MALAYSIAN CHILDREN AUTOMATIC AGE ASSESSMENT

7TH BANGKOK INTERNATIONAL CONFERENCE ON "RECENT TRENDS IN ENGINEERING AND TECHNOLOGY" (RTET-17, MAY 3 -4 2017 AT BANGKOK

2017 PROCEEDING NON-INDEX MAIN AUTHOR

18. DOCKER AS A SOLUTION FOR DATA CONFIDENTIALITY ISSUES IN LEARNING MANAGEMENT SYSTEM

INTERNATIONAL CONFERENCE ON ENGINEERING EDUCATION AND RESEARCH 2017, MADINAH, KINGDOM OF SAUDI ARABIA, 16 ? 18 DECEMBER 2017

2017 PROCEEDING NON-INDEX MAIN AUTHOR

19. ULSONT : ONTOLOGY IN INTELLIREHAB SYSTEM ? DEVELOPMENT OF ONTOLOGY FOR INTELLIGENT REHABILITATION SYSTEM

KEOD 2017 ? 9TH INTERNATIONAL CONFERENCE AND KNOWLEDGE ENGINEERING AND ONTOLOGY DEVELOPMENT

2017 PROCEEDING NON-INDEX MAIN AUTHOR

20. INFORMATION SECURITY MANAGEMENT SYSTEM (ISMS) PERCEPTIVE TOWARDS INSTITUTIONAL OF HIGER LEARNING IN KLANG VALLEY

INTERNATIONAL CONFERENCE ON APPLIED SCIENCE AND TECHNOLOGY ? 3 ? 5TH APRIL 2017.

2017 PROCEEDING NON-INDEX MAIN AUTHOR

21. A NEW FITNESS FUNCTION FOR VOLUNTEER IN POST-DISASTER USING HILL CLIMBING AND GENETIC ALGORITM

2ND INTERNATIONAL CONGRESS ON TECHNOLOGY - ENGINEERING AND SCIENCE

2016 PROCEEDING NON-INDEX MAIN AUTHOR

22. LEUKEMIA MEDICAL APPLICATION WITH SECURITY FEATURES

JOURNAL OF SOFTWARE

2015 JOURNAL SCOPUS MAIN AUTHOR

23. IMAGE SEGMENTATION USING A HYBRID CLUSTERING TECHNIQUES AND MEAN SHIFT FOR AUTOMATED DETECTION ACUTE LEUKAEMIA BLOOD CELLS IMAGES

JOURNAL OF THEORITICAL AND APPLIED INFORMATION TECHNOLOGY

2015 JOURNAL SCOPUS MAIN AUTHOR

24. COMPARISON KNOWLEDGE BETWEEN PUBLIC UNIVERSITIES AND HOSPITALS IN LEMBAH KLANG TOWARDS ISMS

INTERNATIONAL ACADEMY OF COMPUTER AND IT ENGINEERING

2015 PROCEEDING NON-INDEX MAIN AUTHOR

25. A CLASSIFICATION ON BRAINWAVE PATTERNS FOR PARKINSON PATIENTS USING WEKA

PATTERN ANALYSIS, INTELLIGENT SECURITY AND THE INTERNET OF THINGS ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING

2015 CHAPTER IN BOOK MAIN AUTHOR

26. REGION OF ADAPTIVE THRESHOLD SEGMENTATION BETWEEN MEAN, MEDIAN AND OTSU THRESHOLD FOR DENTAL AGE ASSESSMENT

2014 INTERNATIONAL CONFERENCE ON COMPUTER, COMMUNICATION AND CONTROL TECHNOLOGY

2014 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

27. DENTAL AGE ASSESSMENT FOR FORENSIC IDENTIFICATION USING OTSU AND WATERSHED ALGORITHM

INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING AND INFORMATION TECHNOLOGY

2014 PROCEEDING NON-INDEX MAIN AUTHOR

28. IMPORTANCE OF THRESHOLD VALUE FOR TEETH SEGMENTATION DENTAL AGE ASSESTMENT

SCIENTIFIC AND TECHNICAL CONFERENCE @APPLIED MATHEMATICS AND INFORMATION SECURITY"

2014 PROCEEDING NON-INDEX MAIN AUTHOR

29. SOBEL AND CANNY EDGES SEGMENTATIONS FOR THE DENTAL AGE ASSESSMENT

INTERNATIONAL CONFERENCE ON COMPUTER ASSISTED SYSTEM IN HEALTH (CASH 2014)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

30. SOFTWARE DEVELOPMENT FOR HEMATOLOGY DEPARTMENT WITH SECURITY FEATURES

THE MALAYSIAN NATIONAL CONFERENCE ON DATABASES (MANCOD 2014)

2014 PROCEEDING NON-INDEX MAIN AUTHOR

31. AN CLASSIFICATION ON BRAINWAVE PATTERNS FOR PARKINSON PATIENTS USING WEKA

4TH WORLD INFORMATION TECHNOLOGY CONFERENCE

2014 PROCEEDING NON-INDEX MAIN AUTHOR

32. THE CHALLENGES IN ADOPTING INFORMATION SECURITY MANAGEMENT SYSTEM FOR UNIVERSITY HOSPITALS IN MALAYSIA

KMICE 2014

2014 PROCEEDING NON-INDEX MAIN AUTHOR

33. IMPORTANCE OF THRESHOLD VALUE FOR TEETH SEGMENTATION IN DENTAL AGE ASSESSMENT

POSTGRADUATE COLLOQUIUM 2014

2014 PROCEEDING NON-INDEX MAIN AUTHOR

34. HYBRID K-MEANS CLUSTERING WITH REGION GROWING ALGORITHMS FOR ACUTE LEUKEMIA BLOOD CELLS IMAGE SEGMENTATION

INTERNATIONAL CONFERENCE ON COMPUTER, CONTROL, INFORMATICS AND ITS APPLICATIONS 2013 (IC3INA 2013)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

35. IMAGE SEGMENTATION USING AN ADAPTIVE CLUSTERING TECHNIQUE FOR THE DETECTION OF ACUTE LEUKEMIA BLOOD CELLS IMAGES

2ND INTERNATIONAL CONFERENCE ON ADVANCED COMPUTER SCIENCE APPLICATIONS AND TECHNOLOGIES

2013 PROCEEDING NON-INDEX MAIN AUTHOR

36. COORDINATE DETECTION AND COLOR IMAGE CLASSIFICATION FOR LEUKEMIA CELLS (AML)

ANNUAL CONFERENCE ON ENGINEERING AND INFORMATION TECHNOLOGY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

37. THE CLASSIFICATION OF BLAST CELLS FROM ACUTE PROMYELOCYTIC LEUKAEMIA (AML M3) BLOOD SAMPLES USING NEURAL NETWORKS FOR CLINICAL DECISION SUPPORT

IDAMAP 2011 (INTELLIGENT DATA ANALYSIS IN BIOMEDICINE AND PHARMACOLOGY)

2011 PROCEEDING NON-INDEX MAIN AUTHOR

38. DETECTING LEUKAEMIA (AML) BLOOD CELLS USING GENETIC ALGORITHMS

2ND STUDENT CONFERENCE OPERATIONAL RESEARCH (SCOR 2010)

2010 PROCEEDING NON-INDEX MAIN AUTHOR

39. CAN HEURISTIC SEARCH TECHNIQUES LOCATED LEUKAEMIA CELL?

RESEARCH STUDENT POSTER CONFERENCE

2010 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

40. DETECTING LEUKAEMIA (AML) BLOOD CELLS USING CELLULAR AUTOMATA AND HEURISTIC SEARCH

ADVANCED IN INTELLIGENCE DATA ANALYSIS - LECTURE NOTES IN COMPUTER SCIENCE

2010

CHAPTER IN BOOK

MAIN AUTHOR

CONSULTATION

1. ACCEPTANCE LETTER FOR THE APPOINTMENT AS CONTENT WRITER FOR SIMS ? SCHOOL OF SCIENCE AND TECHNOLOGY (SST) AEU

ASIA E UNIVERSITY

2024 NATIONAL

2. PROJECT DB AND INTERFACE

TOMBAK SDN BHD

2022 NATIONAL

3. JURUAUDIT PASUKAN AUDIT DALAM PENGURUSAN SISTEM KESELAMATAN MAKLUMAT (ISMS)

JABATAN PENJARA MALAYSIA

2016 NATIONAL

4. JURUAUDIT DALAMAN BG ISMS EPEROLEHAN MOF

MOF

2016 OTHERS

5. SESI PERJUMPAAN DAN PERBINCANGAN SUB-PROGRAM TECH + TALK PROGRAM LATIHAN KHIDMAT NEGARA (PLKN)

STARZA CORPORATION

2015 NATIONAL

AWARDS/RECOGNITION

1. ACADEMIC ADVISOR

ASIA E UNIVERSITY

2024 NATIONAL

2. ACADEMIC ADVISOR

AEU UNIVERSITY

2024 NATIONAL

3. ACADEMIC ADVISOR

AEU UNIVERSITY

2024 NATIONAL

4. FACE EMOTION DETECTION IN MUSIC RECOMMENDATION SYSTEM

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI GOLD

5. CYBERDECK DUEL: TURN-BASED CYBERSECURITY CARD GAME

SCEINCE AND TECHNOLOGY RESEARCH EXPO (SCITEX)

2024 UNIVERSITI BRONZE