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PENSYARAH UNIVERSITI DS14

CONTACT

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FACULTY
Fakulti Perubatan Dan Sains Kesihatan

SUPERVISION

	COMPLETED	ONGOING
PhD	3	1
Master	3	1

AREAS OF EXPERTISE

- Medical Pharmacology
- Molecular Pharmacology
- Other Compimentary / Alternative Medicine
- Medical Science

ACADEMIC QUALIFICATION

2014 **PhD** - Farmakologi

2011 **Bachelor** - Sains Bioperubatan

RESEARCH

1. ARTIFICAL INTELLIGENCE (AI)-ASSISTED PREDICTIVE FINITE ELEMENT ANALYSIS OF BONE BIOMECHANICS IN POSTMENOPAUSAL OSTEOPOROSIS RAT MODELS SUPPLEMENTED WITH FICUS CARICA (FIG)

2026 | GERAN PENYELIDIKAN FUNDAMENTAL | ON GOING | MAIN RESEARCHER

2. BONE PROTECTIVE EFFECTS OF FICUS CARICA (BLACK FIG) ON GENES AND PRO-INFLAMMATORY CYTOKINES EXPRESSIONS OF OVARIECTOMIZED RATS: A MOLECULAR ANALYSIS.

2019 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

3. THERAPEUTIC EFFECTS OF FICUS CARICA ON BONE METABOLISM OF POSTMENOPAUSAL OSTEOPOROSIS RAT MODELS

2016 | GERAN KPT | COMPLETED | MAIN RESEARCHER

PUBLICATION

1. BONE PROTECTIVE EFFECTS OF FICUS CARICA ON BIOMECHANICAL BONE STRENGTH OF POSTMENOPAUSAL OSTEOPOROTIC RAT MODELS.

10TH INTERNATIONAL CONGRESS ON BIOMATERIALS AND BIOSENSORS (BIOMATSEN)

2025 PROCEEDING NON-INDEX MAIN AUTHOR

2. THE ROLE OF FICUS CARICA IN REGULATING BONE-RELATED GENE EXPRESSIONS IN POSTMENOPAUSAL OSTEOPOROTIC RAT MODELS

10TH USIM NATIONAL HEALTH SEMINAR 2025

2025 PROCEEDING NON-INDEX MAIN AUTHOR

3. BEYOND THE CELLS: ADVANCING CARTILAGE TISSUE ENGINEERING THROUGH INTEGRATED THERAPIES

5TH INTERNATIONAL CONFERENCE ON BIOENGINEERING FOR HEALTH AND ENVIRONMENT (ICBHE 2025)

2025 PROCEEDING NON-INDEX MAIN AUTHOR

4. DUAL GROWTH FACTOR-INTEGRATED ENGINEERED HYDROXYAPATITE (HA) SCAFFOLD WITH ALENDRONATE FOR OSTEOINDUCTIVE BONE REPAIR

10TH INTERNATIONAL CONGRESS ON BIOMATERIALS AND BIOSENSORS (BIOMATSEN)

2025 PROCEEDING NON-INDEX MAIN AUTHOR

5. INTEGRATING CELLULAR THERAPIES, BIOMATERIALS, AND MECHANICAL CUES IN CARTILAGE TISSUE ENGINEERING: A SYSTEMATIC REVIEW

10TH USIM NATIONAL HEALTH SEMINAR 2025

2025 PROCEEDING SCOPUS MAIN AUTHOR

6. DUAL GROWTH-FACTORS DELIVERY (VEGF AND BMP-2) WITH ALENDRONATE IMPROVE CELL ADHESION IN OSTEOINDUCTIVE BONE REPAIR

9TH EUROPEAN MEDICAL AND BIOLOGICAL ENGINEERING CONFERENCE

2024 PROCEEDING NON-INDEX MAIN AUTHOR

7. UNRAVELLING THE P2Y12 RECEPTOR AND P2Y12 ANTAGONIST: BEYOND PLATELET AGGREGATION TO VASCULAR DYNAMICS AND IMMUNE MODULATION, A COMPREHENSIVE REVIEW

MALIKUSSALEH INTERNATIONAL CONFERENCE ON HEALTH AND DISASTER MEDICINE (MICOHEDMED) 2024

2024 PROCEEDING NON-INDEX MAIN AUTHOR

8. FACTORS ASSOCIATED WITH LOW BONE DENSITY IN OPIOID SUBSTITUTION THERAPY PATIENTS: A SYSTEMATIC REVIEW

INTERNATIONAL JOURNAL OF MEDICAL SCIENCES

2021 JOURNAL SCOPUS MAIN AUTHOR

9. FARMAKOLOGI KLINIKAL PANTAS: FORMULA PELAJAR

2019 BOOK MAIN AUTHOR

10. THE ANTI-INFLAMMATORY EFFECTS OF LABISIA PUMILA ON POSTMENOPAUSAL OSTEOPOROSIS RAT MODELS

1ST INTERNATIONAL SYMPOSIUM ON HERBAL MEDICINES 2018

2018 PROCEEDING NON-INDEX MAIN AUTHOR

PUBLICATION

11. FICUS CARICA (FIG), A MEDICINAL PROPHETIC FOOD.

RESEARCH UPDATES IN MEDICAL SCIENCES

2017 JOURNAL SCOPUS MAIN AUTHOR

12. THE EFFECTS OF LABISIA PUMILA EXTRACTS ON BONE MICROARCHITECTURE OF OVARIECTOMIZED-INDUCED OSTEOPOROSIS RATS: A MICRO-CT ANALYSIS.

JOURNAL OF X-RAY SCIENCE AND TECHNOLOGY

2017 JOURNAL SCOPUS MAIN AUTHOR

13. LABISIA PUMILA REGULATES THE EXPRESSIONS OF BONE-RELATED GENES AND PRO-INFLAMMATORY CYTOKINES IN POSTMENOPAUSAL OSTEOPOROSIS RAT MODELS

30TH SCIENTIFIC MEETING OF MALAYSIAN SOCIETY OF PHARMACOLOGY AND PHYSIOLOGY (MSPP) 2016

2016 PROCEEDING NON-INDEX MAIN AUTHOR

14. ALTERNATIVE MEDICINES ON OSTEOPOROSIS

INTERNATIONAL CONFERENCE ON INNOVATIONS IN SCIENCE, ENGINEERING AND TECHNOLOGY 2016 (ICISET 2016)

2016 PROCEEDING NON-INDEX MAIN AUTHOR

15. AN EVIDENCE-BASED REVIEW OF MICRO-CT ASSESSMENTS OF THE POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL

INTERNATIONAL JOURNAL OF PHARMACOLOGY

2015 JOURNAL SCOPUS MAIN AUTHOR

16. TIME AND DOSE- DEPENDENT EFFECTS OF LABISIA PUMILA ON THE BONE STRENGTH OF POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL.

BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE

2015 JOURNAL ERA MAIN AUTHOR

17. TIME AND DOSE-DEPENDENT EFFECTS OF LABISIA PUMILA ON BONE OXIDATIVE STATUS AND BONE TURNOVER GENE EXPRESSION OF POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL

INTERNATIONAL CONFERENCE ON ANTIOXIDANTS & DEGENERATIVE DISEASES

2015 PROCEEDING NON-INDEX MAIN AUTHOR

18. TIME AND DOSE-DEPENDENT EFFECTS OF LABISIA PUMILA ON BONE OXIDATIVE STATUS OF POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL.

NUTRIENTS

2014 JOURNAL SCOPUS MAIN AUTHOR

19. MICRO-CT ASSESSMENTS OF POTENTIAL ANTI-OSTEOPOROTIC AGENTS

CURRENT DRUG TARGETS

2013 JOURNAL ERA MAIN AUTHOR

20. COMBINED EFFECTS OF EURYCOMA LONGIFOLIA AND CALCIUM ON BONE METABOLISM OF ORCHIDECTOMISED MALE RATS

RESEARCH UPDATES IN MEDICAL SCIENCES

2013 JOURNAL WOS MAIN AUTHOR

PUBLICATION

21. THE ANTI-OSTEOPOROTIC EFFECTS OF LABISIA PUMILA ON BONE MICROARCHITECTURE AND BIOMECHANICAL STRENGTH OF POST-MENOPAUSAL OSTEOPOROSIS RAT MODEL

INTERNATIONAL OSTEOPOROSIS FOUNDATION 4TH ASIA-PACIFIC OSTEOPOROSIS MEETING

2013 PROCEEDING NON-INDEX MAIN AUTHOR

22. THE ANTI-OSTEOPOROTIC EFFECTS OF LABISIA PUMILA ON BONE MICROARCHITECTURE AND BIOMECHANICAL STRENGTH OF POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL

THE 3RD SCIENTIFIC MEETING OF THE ASIAN FEDERATION OF OSTEOPOROSIS SOCIETY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

23. TIME AND DOSE-DEPENDENT ANTI-OSTEOPOROTIC EFFECTS OF LABISIA PUMILA IN POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL

INTERNATIONAL CONFERENCE ON ADVANCES IN MEDICAL SCIENCE (ICAMS)

2013 PROCEEDING NON-INDEX MAIN AUTHOR

24. NOVEL AGENTS IN THE TREATMENT OF OSTEOPOROSIS AND ITS COMPLICATIONS

CURRENT DRUG TARGETS

2013 CHAPTER IN BOOK MAIN AUTHOR

25. THE EFFECTS OF TUALANG HONEY ON BONE METABOLISM OF POSTMENOPAUSAL WOMEN.

EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE

2012 JOURNAL ERA MAIN AUTHOR

26. ANTI-INFLAMMATORY, PHYTOESTROGENIC AND ANTIOXIDATIVE ROLE OF LABISIA PUMILA IN PREVENTION OF POSTMENOPAUSAL OSTEOPOROSIS

ADVANCES IN PHARMACOLOGICAL SCIENCES

2012 JOURNAL ERA MAIN AUTHOR

27. EURYCOMA LONGIFOLIA: MEDICINAL PLANT IN THE PREVENTION AND TREATMENT OF MALE OSTEOPOROSIS DUE TO ANDROGEN DEFICIENCY

EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE

2012 JOURNAL ERA MAIN AUTHOR

28. MICRO-CT ANALYSIS OF BONE PROTECTIVE EFFECTS OF LABISIA PUMILA IN POSTMENOPAUSAL OSTEOPOROSIS RAT MODEL

INTERNATIONAL OSTEOPOROSIS FOUNDATION (IOF) REGIONALS- 3RD ASIA PACIFIC OSTEOPOROSIS MEETING,

2012 PROCEEDING NON-INDEX MAIN AUTHOR

AWARDS/RECOGNITION

1. AI-DRIVEN PHYTOBONE SIMULATOR: HARNESSING SUNNAH FOODS FOR STRONGER BONES

INNOVATION BANK CHALLENGE 2025

2025 ANTARABANGSA SILVER

AWARDS/RECOGNITION

2. MYAFIATPAL: A CALORIE TRACKING APP INTEGRATING MALAYSIAN AND PROPHETIC FOODS FOR HEALTHY LIVING

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

3. MYAFIATPAL: A CALORIE TRACKING APP INTEGRATING MALAYSIAN AND PROPHETIC FOODS FOR HEALTHY LIVING

Pertandingan Inovasi FKP 2024

2024 UNIVERSITI BRONZE

4. IN-DEPTH 4U: AN ARTIFICIAL INTELLIGENCE (AI) INTEGRATED ADVANCE DRUG EDUCATION AND PREVENTION AMONG YOUTH IN MALAYSIA

4TH INNOVATION BANK CHALLENGE 2024 (IBC 2024)

2024 UNIVERSITI SILVER

5. CASE BASED LEARNING IN CARDIOVASCULAR PHARMACOLOGY

The International E-Content Development Competition 2024 (eCONDEV 2024)

2024 ANTARABANGSA SILVER