



**PROF. MADYA DR. NADIA
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Dan Sains Kesihatan

SUPERVISION

PhD - Completed: 3, Ongoing: 1

Master - Completed: 3, Ongoing: 1

AREAS OF EXPERTISE

Medical Pharmacology

Molecular Pharmacology

Other Compimentary / Alternative Medicine

Medical Science

BIOGRAPHY

A lecturer from Fakulti Perubatan Dan Sains Kesihatan. Holds a Phd in Farmakologi.

ACADEMIC QUALIFICATION

Phd in Farmakologi (2014)

Bachelor in Sains Bioperubatan (2011)

RESEARCH

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

2026 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 COMPLETED MAIN RESEARCHER

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

2016 COMPLETED MAIN RESEARCHER

PUBLICATION

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2024 PROCEEDING

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

2024 PROCEEDING

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

2021 JOURNAL

9. FARMAKOLOGI KLINIKAL PANTAS: FORMULA PELAJAR

2019 BOOK

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

2018 PROCEEDING

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

2017 JOURNAL

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

2017 JOURNAL

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

2016 PROCEEDING

14. ALTERNATIVE MEDICINES ON OSTEOPOROSIS

2016 PROCEEDING

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

2015 JOURNAL

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

2015 JOURNAL

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

2015 PROCEEDING

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

2014 JOURNAL

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

2013 JOURNAL

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

2013 JOURNAL

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

2013 PROCEEDING

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

2013 PROCEEDING

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

2013 PROCEEDING

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

2013 CHAPTER IN BOOK

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

2012 JOURNAL

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

2012 JOURNAL

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

2012 JOURNAL

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

2012 PROCEEDING

AWARDS/RECOGNITION

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

2025 Antarabangsa Silver

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

2024 **Universiti** Silver

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

2024 **Universiti** Bronze

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

2024 **Universiti** Silver

5. CASE BASED LEARNING IN CARDIOVASCULAR PHARMACOLOGY

2024 **Antarabangsa** Silver