



## DR. AMIRA RAUDHAH BINTI ABDULLAH

PENSYARAH UNIVERSITI DS13

### CONTACT

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**Address:** Fakulti Perubatan  
Dan Sains Kesihatan

### SUPERVISION

PhD - Completed: 0, Ongoing: 2

Master - Completed: 0, Ongoing: 0

### AREAS OF EXPERTISE

Gross Anatomy

Tissue Engineering

### BIOGRAPHY

A lecturer from Fakulti Perubatan Dan Sains Kesihatan. Holds a Master in Anatomy.

### ACADEMIC QUALIFICATION

Master in Anatomy (2023)

Master in Anatomy (2023)

Phd in Anatomi (2018)

Master in Safety, Health And Environment (2015)

Bachelor in Bioperubatan (2013)

### RESEARCH

1. PROTECTIVE EFFECTS OF HABBATUS SAUDA (NIGELLA SATIVA) AGAINST CAFFEINE-INDUCED ALTERATIONS IN EPIPHYSEAL GROWTH PLATE AND ITS IMPACT ON THE LONGITUDINAL BONE GROWTH.

2026

ON GOING

MAIN RESEARCHER

2. THE SYNERGISTIC ACTIVITY OF PAMIDRONATE ACTING ON VEGF AND BMP-2 GROWTH FACTORS FOR THE DEVELOPMENT OF HYDROXYAPATITE (HA) BONE SCAFFOLD.

2020

ON GOING

MAIN RESEARCHER

# PUBLICATION

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1. NAVIGATING THE NEW NORM: REVIEW OF HEALTH RISKS ASSOCIATED WITH WIDESPREAD DISINFECTANT AND HAND SANITIZER USE

2025 JOURNAL

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

2025 PROCEEDING

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

2025 PROCEEDING

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

2025 PROCEEDING

5. ESTABLISHMENT OF FEMORAL BONE DEFECT MODEL IN SPRAGUE-DAWLEY RAT FOR ENGINEERED SCAFFOLD IMPLANTATION: A PILOT STUDY

2024 JOURNAL

6. ESTABLISHMENT OF FEMORAL BONE DEFECT MODEL IN SPRAGUE-DAWLEY RAT FOR ENGINEERED SCAFFOLD IMPLANTATION: A PILOT STUDY

2024 PROCEEDING

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

2024 PROCEEDING

8. P2Y12 RECEPTOR PROMOTES VASCULAR REMODELLING AND VASOCONSTRICTION, EVIDENCE OF ANTIPLATELETS AS POTENTIAL PHARMACOTHERAPY IN P2Y12 MEDIATED PATHOGENESIS.

2024 PROCEEDING

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

2024 PROCEEDING

10. SYNERGISTIC INTERACTION BETWEEN COMBINATION OF EXISTING THERAPY WITH POLYPHENOLS IN SEVERAL HUMAN DISEASES: A REVIEW

2023 JOURNAL

11. ANALYSIS ON THE IMPACT OF THE MODIFIED TEACHING DELIVERY IN ANATOMY IN RESPONSE TO COVID-19 PANDEMIC ON STUDENTS? PERFORMANCE IN UNIVERSITI SAINS ISLAM MALAYSIA (USIM)

2023 PROCEEDING

12. SYNERGISTIC INTERACTION BETWEEN COMBINATION OF EXISTING THERAPY WITH POLYPHENOLS ON CURRENT MULTIFACTORIAL DISEASES: A REVIEW

2022 PROCEEDING

13. OSTEOINDUCTION EVALUATION OF ENGINEERED HA-BISPHOSPHONATE SCAFFOLD FOR BONE TISSUE REGENERATION

2022 PROCEEDING

**14. STUDENT'S PERCEPTION OF ANATOMY ONLINE LEARNING DURING COVID-19 PANDEMIC IN UNIVERSITI SAINS ISLAM MALAYSIA (USIM)**

2020 PROCEEDING

**15. THE ROLE OF SEMIPURIFIED FRACTIONS ISOLATED FROM QUERCUS INFECTORIA ON BONE METABOLISM BY USING HFOB 1.19 HUMAN FETAL OSTEOBLAST CELL MODEL**

2018 JOURNAL

**16. COMBINATION TREATMENT OF BISPHOSPHONATE (PAMIDRONATE) AND QUERCUS INFECTORIA SEMI- PURIFIED FRACTION PROMOTES PROLIFERATION AND DIFFERENTIATION OF OSTEOBLAST CELL VIA EXPRESSION OF OSTERIX AND RUNX2 MARKER**

2018 JOURNAL

**17. A POTENTIAL INTERACTION BETWEEN QUERCUS INFECTORIA SEMI-PURIFIED FRACTION AND PAMIDRONATE FOR MANAGEMENT OF OSTEOPOROSIS**

2018 PROCEEDING

**18. PHYTOCHEMICAL ANALYSIS OF QUERCUS INFECTORIA GALLS EXTRACTS USING FTIR, LC-MS AND MS/MS ANALYSIS**

2017 JOURNAL

**19. QUERCUS INFECTORIA SEMI-PURIFIED FRACTIONS PROMOTED BMP-2, RUNX2 AND OSTEOPONTIN EXPRESSION IN HUMAN FETAL OSTEOBLASTIC CELL LINE**

2017 PROCEEDING

**20. FTIR, LC-MS AND MS/MS ANALYSIS OF QUERCUS INFECTORIA EXTRACT**

2016 PROCEEDING

## AWARDS/RECOGNITION

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**1. PENCAPAIAN LAPORAN NILAI PRESTASI TAHUNAN (LNPT) MELEBIHI 95% BAGI 2024**

2025 OTHERS

**2. ACADEMIC ADVISOR**

2025 UNIVERSITY

**3. ACADEMIC ADVISOR**

2025 UNIVERSITY

**4. ACADEMIC ADVISOR**

2025 UNIVERSITY

**5. ACADEMIC ADVISOR**

2025 UNIVERSITY