



**PROF. MADYA DR. SITI
AISYAH ABD GHAFAR**

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Address: Fakulti Pergigian

SUPERVISION

PhD - Completed: 1, Ongoing: 1

Master - Completed: 5, Ongoing: 2

AREAS OF EXPERTISE

Traditional Medicine And Natural Products

Other Animal Biotechnology

Other Medical Biotechnology

Cell Biology

BIOGRAPHY

A lecturer from Fakulti Pergigian. Holds a Phd in Medical Biotechnology.

ACADEMIC QUALIFICATION

Phd in Medical Biotechnology (2013)

Bachelor in Biomedical Sciences (2007)

RESEARCH

1. UNRAVELING MECHANISM OF ANTI-TUMOR AND SUB-ACUTE TOXICITY ACTIVITY OF SILVER NANOPARTICLES INCORPORATE WITH FLAVONOID-RICH-STROBILANTHES CRISPUS LEAVES AGAINST BREAST TUMOR MODEL IN VIVO.

2021

ON GOING

MAIN RESEARCHER

2. CHARACTERIZATION AND MOLECULAR MECHANISM OF SILVER NANOPARTICLE-?-SITOSTEROLS IN ENHANCING ANTIPROLIFERATIVE EFFECTS AGAINST ORAL CANCER CELL LINES FOR CANCER THERAPY.

2017

COMPLETED

MAIN RESEARCHER

3. ANTI-PROLIFERATIVE PROPERTIES OF CLINACANTHUS NUTANS L. LEAVES EXTRACTS AGAINST ORAL CANCER CELL LINES

2014

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. AGNP-K SMART CREAM: A NEXT-GENERATION ANTIMICROBIAL SKINCARE SOLUTION

2025 PROCEEDING

2. ANTI-CANCER ACTIVITY OF GREEN-SYNTHEZIZED SILVER NANOPARTICLES WITH STROBILANTHES CRISPUS ON CT26 COLON CARCINOMA CELLS

2025 PROCEEDING

3. ANTI-PROLIFERATIVE ACTIVITY OF STROBILANTHES CRISPUS GREEN SYNTHESIZED WITH SILVER NANOPARTICLES AGAINST CT26 COLON CARCINOMA CELLS

2025 PROCEEDING

4. TRANSCRIPTOMIC ANALYSIS OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

2024 PROCEEDING

5. GENE EXPRESSION ANALYSIS OF METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

2023 PROCEEDING

6. TRANSCRIPTOMIC ANALYSIS OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS TREATED WITH SILVER NANOPARTICLES-KAEMPFEROL (AGNPS-K)

2023 PROCEEDING

7. ANTIHYPERCHOLESTEROLEMIC AND ANTIHYPERGLYCEMIC ACTIVITY OF NIGELLA SATIVA

2023 CHAPTER IN BOOK

8. ANTIBACTERIAL ACTIVITY OF SPILANTHES ACMELLA FLOWER EXTRACTS (SAFE) AGAINST STREPTOCOCCUS MUTANS

2019 JOURNAL

9. ANTIOXIDANT ACTIVITY OF MUSA PARADISIACA (BANANA) SOFT PITH AND ITS CYTOTOXICITY AGAINST ORAL SQUAMOUS CARCINOMA CELL LINES

2019 JOURNAL

10. ANTIBACTERIAL ACTIVITIES OF GREEN SILVER NANOPARTICLES-STROBILANTHES CRISPUS (AGNP-SC) AGAINST CLINICALLY IMPORTANT BACTERIA

2019 JOURNAL

11. ANTIBACTERIAL ACTIVITIES OF GREEN SILVER NANOPARTICLES-STROBILANTHES CRISPUS (AGNP-SC) AGAINST CLINICALLY IMPORTANT BACTERIA

2019 PROCEEDING

12. CYTOTOXICITY ACTIVITY OF GREEN SILVER NANOPARTICLE-CLINACANTHUS NUTANS (AGNP-CN) AGAINST ORAL SQUAMOUS CARCINOMA CELL LINES

2019 PROCEEDING

13. ANTIBACTERIAL ACTIVITY OF SPILANTHES ACMELLA FLOWER EXTRACTS (SAFE) AGAINST STREPTOCOCCUS MUTANS

2019 PROCEEDING

14. GREEN SILVER NANOPARTICLES STROBILANTHES CRISPUS (AGNP-SC) INHIBITS GRAM NEGATIVE BACTERIA GROWTH

2019 PROCEEDING

15. REGULATION OF BRPA AND GTF GENES TOWARDS STREPTOCOCCUS MUTANS AFTER EXPOSURE OF SPILANTHES ACMELLA EXTRACTS.

2019 PROCEEDING

16. ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS

2018 JOURNAL

17. SILVER NANOPARTICLES CLINACANTHUS NUTANS LEAVES EXTRACT INDUCED APOPTOSIS TOWARDS ORAL SQUAMOUS CELL CARCINOMA CELL LINES

2018 JOURNAL

18. ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS

2018 PROCEEDING

19. ANTIBACTERIAL EFFECT OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS: AN IN VITRO STUDY.

2018 PROCEEDING

20. ANTIBACTERIAL EFFECT OF SILVER NANOPARTICLES CLINACANTHUS NUTANS (AGNP-CN) AGAINST STREPTOCOCCUS MUTANS: AN IN VITRO STUDY

2017 PROCEEDING

21. A SUBCHRONIC TOXICITY STUDY OF KENAF SEED SUPERCRITICAL CARBON DIOXIDE-OIL IN SPRAGUE DAWLEY RATS

2016 PROCEEDING

22. CYTOTOXIC ACTIVITY OF KENAF SEED OILS FROM SUPERCRITICAL CARBON DIOXIDE FLUID EXTRACTION TOWARDS HUMAN COLORECTAL CANCER (HT29) CELL LINES.

2013 JOURNAL

23. KENAF SEED SUPERCRITICAL FLUID EXTRACT REDUCES ABERRANT CRYPT FOCI FORMATION IN AZOXYMETHANE-INDUCED RATS.

2012 JOURNAL

AWARDS/RECOGNITION

1. AN INNOVATIVE TEST KIT TO PREDICT CHILDHOOD CARIES

2025 Antarabangsa Gold

2. WRITER OF THE MONTH

2024 OTHERS

3. ACADEMIC ADVISOR

2024 NATIONAL

4. ACADEMIC ADVISOR

2024 UNIVERSITY

5. ACADEMIC ADVISOR

2024 UNIVERSITY