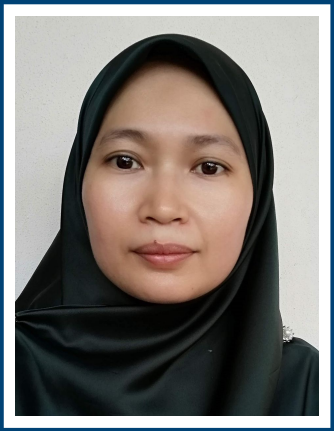


# PROF. MADYA DR. NAZARIYAH BINTI YAHAYA

PENSYARAH UNIVERSITI DS14

## CONTACT


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**FACULTY**

Fakulti Sains Dan Teknologi


## SUPERVISION

| | COMPLETED | ONGOING |
|---|---|---|
| PhD | 1 | 1 |
| Master | 5 | 1 |

## AREAS OF EXPERTISE

- Plant-microbe Interactions
- Plant Physiology And Genetics
- Food Traceability And Halal Processing

## ACADEMIC QUALIFICATION

- 2016 **PhD** - Plant Science
- 2010 **Master** - Molecular Biology
- 2006 **Bachelor** - Genetics

## RESEARCH

**1. STARCH AND PROTEIN CONTENT ANALYSIS OF DUCKWEED (WOLFFIA GLOBOSE AND LEMNA MINOR) ON BIOFERTILIZER FORMULATED FROM BIO-COMPOST AND MANGROVE-ASSOCIATED MICROBES**

2025 · GERAN ANTARABANGSA · ON GOING · MAIN RESEARCHER

**2. EVALUATING THE EFFECTIVENESS OF MANGROVE-ASSOCIATED MICROBES FOR ENHANCING CHILI AND OIL PALM GROWTH THROUGH PROBIOTIC TESTING FOR SUSTAINABLE SUPPLY OF CARBON, NITROGEN, PHOSPHORUS, AND POTASSIUM TO PLANT**

2024 · GERAN KPT · ON GOING · MAIN RESEARCHER

**3. OIL PALM MESOCARP FIBRE AS BIO-FERTILIZER: ACTION OF SELECTED MANGROVE-ASSOCIATED MICROBES IN ENHANCING NUTRIENT AVAILABILITY**

2024 · GERAN KPT · ON GOING · MAIN RESEARCHER

**4. EVALUATING THE EFFECTIVENESS OF MANGROVE-ASSOCIATED MICROBES FOR ENHANCING CHILI AND OIL PALM GROWTH THROUGH PROBIOTIC TESTING FOR SUSTAINABLE SUPPLY OF CARBON, NITROGEN, PHOSPHORUS, AND POTASSIUM TO PLANT**

2024 · GERAN PENYELIDIKAN INDUSTRI · ON GOING · MAIN RESEARCHER

**5. PROGRAM: EMPOWERING FOOD SECURITY IN MALAYSIA: A FRAMEWORK FOR TEMPORARY WAQF-BASED CROWDFUNDING FOR ALTERNATIVE PROTEINS ENTERPRISES PROJEK: HALAL GUIDELINES FOR ALTERNATIVE PROTEINS ENTERPRISES**

2023 · GERAN PENYELIDIKAN TRANSDISIPLINARI · ON GOING · MAIN RESEARCHER

## RESEARCH

**6. PRODUCTION OF FERMENTED READY-TO-DRINK (RTD) BEVERAGE, CULTURE DRINK AND ICE CREAM FORTIFIED OF FUNCTIONAL INGREDIENT ISOLATED FROM EDIBLE BIRD?S NEST AND DUCKWEED**

2021 | GERAN KPT (KKP) | COMPLETED | MAIN RESEARCHER

**7. MECHANISTIC STUDY OF MICROBIAL COMMUNITY FROM MANGROVE RHIZOSPHERE FOR PLANT PROBIOTIC TESTING ON DUCKWEED**

2019 | GERAN KPT | COMPLETED | MAIN RESEARCHER

**8. AN INNOVATION OF HIGH RICH PROTEIN FOOD FROM DUCKWEED PLANTS**

2019 | GERAN PEMBANGUNAN INOVASI (GPI) - TIDAK AKTIF | COMPLETED | MAIN RESEARCHER

**9. ESTABLISHMENT RAPID METHOD FOR SPECIES IDENTIFICATION OF PHYTOPATHOGENS USING RECOMBINANT POLYMERASE AMPLIFICATION**

2018 | GERAN PENYELIDIKAN USIM | COMPLETED | MAIN RESEARCHER

**10. PROFILING OF LARD SAMPLES USING FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR) AND THERMAL GRAVIMETRIC ANALYSIS (TGA) COUPLED WITH CHEMOMETRICS TECHNIQUES FOR THE DEVELOPMENT OF CERTIFIED REFERENCE MATERIAL (CRM)**

2018 | GERAN PENYELIDIKAN KHAS | COMPLETED | MAIN RESEARCHER

**11. MECHANISM OF DIALLYL-DISULFIDE (DDS) IN INFLUENCING RESISTANT OF HOST PLANTS AGAINST PHYTOPATHOGENS USING METABOLITE PROFILING**

2017 | GERAN PENYELIDIKAN HEADSTART PROGRAM | COMPLETED | MAIN RESEARCHER

## PUBLICATION

**1. DENTAL DISEASE TREATMENT IN THE TIB MANUSCRIPT MSS2515 VIA HALAL MATERIAL USAGE**

JOURNAL OF FATWA MANAGEMENT AND RESEARCH

2025 | JOURNAL | OTHER DATABASE | MAIN AUTHOR

**2. PENGESANAN RESIDU NAJIS DAN BULU DALAM GLIKOPEPTIDA DARIPADA PRODUK SAMPINGAN SARANG BURUNG WALIT DAN IMPLIKASNYA TERHADAP STATUS HALAL**

SAINS MALAYSIANA

2024 | JOURNAL | ISI AND SCOPUS | MAIN AUTHOR

**3. METAGENOMIC DATA OF MICROBIOTA IN MANGROVE SOIL FROM LUKUT RIVER, MALAYSIA**

DATA IN BRIEF

2024 | JOURNAL | SCOPUS | MAIN AUTHOR

**4. DUNIA FLORA DALAM AL-QURAN INTEGRASI TAFSIR TEMATIK AL-QURAN DAN SAINS TUMBUHAN**

2024 | BOOK | MAIN AUTHOR

**5. EMERGING ANALYTICAL TECHNIQUES IN FOOD SAFETY AND BIOSECURITY**

GREEN CHEMISTRY IN FOOD ANALYSIS CONVENTIONAL AND EMERGING APPROACHES

2023 | CHAPTER IN BOOK | MAIN AUTHOR

## PUBLICATION

**6. DUCKWEED AS A FUTURE FOOD: EVIDENCE FROM METABOLITE PROFILE, NUTRITIONAL ANALYSIS AND ANTIOXIDANT ACTIVITY**

4TH INTERNATIONAL CONFERENCE ON FOOD AND NUTRITION

2021 PROCEEDING NON-INDEX MAIN AUTHOR

**7. IDENTIFICATION OF METABOLITE PROFILE IN HALAL AND NON-HALAL BROILER CHICKENS USING FOURIER-TRANSFORM INFRARED SPECTROSCOPY (FTIR) AND ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY- TIME OF FLIGHT- MASS SPECTROMETRY (UHPLC-TOF-MS)**

JOURNAL OF THE MALAYSIAN SOCIETY OF APPLIED BIOLOGY

2020 JOURNAL SCOPUS MAIN AUTHOR

**8. ANTIMICROBIAL AND ANTIOXIDANT ACTIVITIES IN ?BELUNTAS? (PLUCHEA INDICA), TURMERIC (CURCUMA LONGA) AND THEIR MIXTURES**

SAINS MALAYSIANA

2020 JOURNAL ISI AND SCOPUS MAIN AUTHOR

**9. DETECTION OF PORCINE ADULTERATION IN COSMETIC CREAM FORMULATION VIA TAQMAN PROBE REAL-TIME POLYMERASE CHAIN REACTION.**

INTERNATIONAL JOURNAL OF ENGINEERING & TECHNOLOGY

2018 JOURNAL OTHER DATABASE MAIN AUTHOR

**10. CHANGES OF METABOLITES STATUS IN PLANT PATHOGEN INTERACTION**

ADVANCED SCIENCE LETTERS

2017 JOURNAL SCOPUS MAIN AUTHOR

**11. INVESTIGATING THE METABOLISM OF CLUBROOT-INFECTED PLANTS BY INTEGRATING METABOLOMIC AND TRANSCRIPTOMIC APPROACHES.**

KSM SPRING MEETING & KSM-ICWG-GSP JOINT CLUBROOT SYMPOSIUM

2015 PROCEEDING NON-INDEX MAIN AUTHOR

**12. CARBOHYDRATE METABOLISM IN CLUBROOT-INFECTED ARABIDOPSIS THALIANA**

11TH EUROPEAN FOUNDATION FOR PLANT PATHOLOGY CONFERENCE

2014 PROCEEDING NON-INDEX MAIN AUTHOR

**13. METABOLIC INTERACTIONS BETWEEN PLASMODIOPHORA BRASSICAE AND ARABIDOPSIS THALIANA**

ANNUAL MEETING OF THE SOCIETY FOR EXPERIMENTAL BIOLOGY

2013 PROCEEDING NON-INDEX MAIN AUTHOR

## CONSULTATION

**1. CONSULTATION PROJECT ON HALAL APTAMER**

BIOGENES TECHNOLOGIES

2024 NATIONAL

## CONSULTATION

**2. ERYTHROPOIETIN (EPO) BIOSIMILAR, ERYSAA DERIVED FROM CHINESE HAMSTER OVARIAN (CH) CELL LINE FROM HALAL PERSPECTIVE**

DUOPHARMA BIOTECH BERHAD

2021 NATIONAL

**3. PROGRAM PENDAYAAN KOMUNITI UNIVERSITI AWAN (Komuniti@UniMADANI)**

Kementerian Kewangan Malaysia (MOF)

National

**4. HALAL PROCESS FOR MSMEs IN THE EDIBLE BIRD NEST SUBSECTOR: FIRST STEP IN APPLYING FOR HALAL CERTIFICATION**

PEMBANGUNAN SUMBER MANUSIA BERHAD (HRDCORP)

National

## AWARDS/RECOGNITION

**1. VISITING PROFESOR**

UNIVERSITY OF TUZLA, FACULTY OF TECHNOLOGY, TUZLA, BOSNIA AND HERZEGOVINA

2025 INTERNATIONAL

**2. ANUGERAH PENERIMA GERAN PENYELIDIKAN**

2024 UNIVERSITY

**3. ANUGERAH PEMFAILAN HARTA INTELEK**

2024 UNIVERSITY

**4. ANUGERAH PENYELIDIKAN INAQ**

2024 UNIVERSITY

**5. ANUGERAH PENYELIA TERBILANG**

2024 UNIVERSITY