



DR. RAHAYU BINTI AHMAD

PENSYARAH UNIVERSITI DS13

CONTACT

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Address: Kolej Permata
Insan

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 1, Ongoing: 0

AREAS OF EXPERTISE

Fermentation Technology (including Submerged Fermentation)

Environmental Microbiology

Other Environmental Biotechnology N.e.c

BIOGRAPHY

A lecturer from Kolej Permata Insan. Holds a Phd in Microbiologi.

ACADEMIC QUALIFICATION

Phd in Microbiologi (2017)

Master in Bioteknologi (2011)

Bachelor in Bioteknologi (2006)

RESEARCH

1. MOLECULAR DESIGN AND EXTENSIVE STRUCTURE-ACTIVITY RELATIONSHIP (SAR) STUDIES OF β -CARBOLINE ANALOGUE AS ANTIMICROBIAL THERAPEUTIC AGENT

2022

ON GOING

MAIN RESEARCHER

2. ANTIMICROBIAL, ANTIFUNGAL, ANTIOXIDANT AND ANTICANCER OF BETA-GLUCAN FROM β CENDAWAN BUSUT? (TERMITOMYCES SP.) LOCALLY ISOLATED IN NEGERI SEMBILAN: A QUAD FUNCTIONAL NATURAL BIOACTIVE COMPOUND.

2019

ON GOING

MAIN RESEARCHER

PUBLICATION

1. ENHANCING BIOMASS-EXOPOLYSACCHARIDES PRODUCTION OF LIGNOSUS RHINOCERUS IN A HIGH-SCALE STIRRED-TANK BIOREACTOR AND ITS POTENTIAL LIPID AS BIOENERGY

2023 JOURNAL

2. KIMIA

2022 CHAPTER IN BOOK

3. KIMIA-DR RAHAYU AHMAD

2022 CHAPTER IN BOOK

4. KIMIA-DR RAHAYU AHMAD

2022 CHAPTER IN BOOK

5. POLISI HAL EHWAL AKADEMIK, KOLEJ GENIUS INSAN

2022 POLICY

6. PELLET DIAMETER OF GANODERMA LUCIDUM IN A REPEATED-BATCH FERMENTATION FOR THE TRIO TOTAL PRODUCTION OF BIOMASSEXOPOLYSACCHARIDE-ENDOPOLYSACCHARIDE AND ITS ANTI-ORAL CANCER BETA-GLUCAN RESPONSE.

2020 JOURNAL

7. HYGIENIC TRAVEL SOAP FROM DABAI FRUITS OIL

2020 PROCEEDING

8. HYGIENIC TRAVEL SOAP FROM DABAI FRUITS OIL

2019 PROCEEDING

9. POLISI PECUTAN SIJIL PELAJARAN MALAYSIA

2019 POLICY

10. POLISI INSAN JUNIOR SCHOOL CERTIFICATE (IJSC)

2019 POLICY

11. INCORPORATION OF PALM OIL FOR THE ENHANCEMENT OF BIOMASS AND POLYSACCHARIDE PRODUCTION THROUGH SUBMERGED FERMENTATION FROM LOCALLY ISOLATED PLEUROTUS SP. MYCELIMUM

2018 JOURNAL

12. PRODUCTION AND ANTIPROLIFERATIVE ACTIVITY OF VARIOUS CRUDE EXTRACT FROM LENTINUS SQUARROSULUS MYCELIMUM

2015 JOURNAL

13. ANTIOXIDANT PROPERTIES AND GLUCAN COMPOSITION OF VARIOUS CRUDE EXTRACT FROM LENTINUS SQUARROSULUS MYCELIAL CULTURE

2014 JOURNAL

14. PRODUCTION OF COPOLYMER POLY(3-HYDROXYBUTYRATE-CO-4-HYDROXYBUTYRATE) THROUGH A ONE-STEP CULTIVATION PROCESS

2008 JOURNAL

CONSULTATION/ADULATION

1. KAJIAN POPULASI SPESIES ULAR SAWA DAN BIAWAK AIR DI NEGERI PERAK

2022 NATIONAL MINISTRY OF ENERGY AND NATURAL RESOURCES (KETSAR)

2. AN IN-VITRO EVALUATION OF LAURIC ACID ISOLATED FROM COCONUT CRUDE OIL ON INHIBITING THE GROWTH OF SELECTED MICROORGANISM IN HUMAN SALIVA

2020 NATIONAL MANIPAL INTERNATIONAL UNIVERSITY

3. KOLABORASI PENYELIDIKAN ANTARA MRSM KUALA KLANG DAN KOLEJ GENIUS INSAN

2019 NATIONAL KEMENTERIAN PENDIDIKAN MALAYSIA

4. PRODUCTION OF BIOACTIVE ENDO AND EXOPOLYSACCHARIDE FROM MALAYSIAN TIGER MILK MUSHROOMS

2018 NATIONAL UNIVERSITY MALAYA, AGROBIOTECHNOLOGY INSTITUTE MALAYSIA (ABI), NATIONAL INSTITUTE OF BIOTECHNOLOGY MALAYSIA (NIBM), AGENSI NUKLEAR MALAYSIA, KOLEJ GENIUS INSAN, USIM.

5. PRODUCTION OF BIOACTIVE ENDO AND EXOPOLYSACCHARIDE FROM MALAYSIAN TIGER MILK MUSHROOM

2018 NATIONAL KEMENTERIAN PENDIDIKAN MALAYSIA

AWARDS/RECOGNITION

1. EDITOR'S CHOICE ARTICLE

2025 INTERNATIONAL

2. WRITER'S OF THE MONTH (JULY 2025)

2025 OTHERS

3. WRITER'S OF THE MONTH (MAY 2025)

2025 OTHERS

4. WRITER'S OF THE MONTH (APRIL 2025)

2025 OTHERS

5. WRITER'S OF THE MONTH (FEBRUARY 2025)

2025 OTHERS