



PROF. MADYA DR. MOHD HAFEZ BIN MOHD ISA

PENSYARAH UNIVERSITI DS14

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Address: Fakulti Sains Dan
Teknologi

SUPERVISION

PhD - Completed: 0, Ongoing: 1

Master - Completed: 13, Ongoing:
0

AREAS OF EXPERTISE

Bioseparation Technology

Biosurfactant Technology

Occupational Safety And Health

BIOGRAPHY

A lecturer from Fakulti Sains Dan Teknologi. Holds a Phd in Food Biosciences.

ACADEMIC QUALIFICATION

Phd in Food Biosciences (2008)

Master in Sains Nuklear (2001)

Bachelor in Sains Nuklear (2001)

RESEARCH

1. SYNTHESIS OF NANO-STRUCTURED COMPOSITE THIN FILM MEMBRANES BY NANOPARTICLE/SURFACTANT MATERIALS BLENDING WITH HIGH-FLUX AND FOULING RESISTANCE PROPERTIES

2016 COMPLETED MAIN RESEARCHER

2. FABRICATION OF MODIFIED NANOFILTRATION MEMBRANE FOR THE REMOVAL OF INDUSTRIAL ENDOCRINE DISRUPTING CHEMICALS (EDCS)

2016 COMPLETED MAIN RESEARCHER

3. HIGHLY EFFICIENT RECOVERY OF SURFACTIN VIA ONE-STEP MICELLAR ENHANCED ULTRAFILTRATION(MEUF) TECHNIQUE

2016 COMPLETED MAIN RESEARCHER

4. PENGURUSAN SUMBER AIR HUJAN PERINGKAT BANDARAYA DI PAYA INDAH WETLAND-PILOT PLANT MEMBRANE WATER TREATMENT SYSTEM

2015 COMPLETED MAIN RESEARCHER

5. SYNTHESIS OF NOVEL ACTIVE CHITOSAN SURFACTANT NANOFILTRATION MEMBRANES FOR DYES WASTERWATER AND HEAVY METAL REMOVAL

2015 COMPLETED MAIN RESEARCHER

6. DESIGN AND FABRICATION OF STATE-OF-ART CAPILLARY SPINNING SYSTEM (CAPSYS) AND THE PRODUCTION OF NOVEL ACTIVE NARROW-PORES ULTRAFILTRATION CAPILLARY (ULTRA-CAP) FIBER MEMBRANES

2014 COMPLETED MAIN RESEARCHER

7. INVESTIGATION OF SURFACTIN ISOFORMS PRODUCTION AND ACTIVITY AGAINST VARIOUS TYPES OF PATHOGENIC BACTERIA

2012 COMPLETED MAIN RESEARCHER

8. USE OF RESPONSE SURFACE METHODOLOGY FOR ENHANCEMENT OF ITURIN A PRODUCTION AND INVESTIGATION OF ITS ANTIFUNGAL ACTIVITY FOR BIOLOGICAL CONTROL OF CERTAIN PHYTOPATHOGENS

2012 COMPLETED MAIN RESEARCHER

9. HIGHLY EFFICIENT AND COST EFFECTIVE SINGLE-STEP ULTRAFILTRATION (UF) TECHNIQUE FOR RECOVERY AND PURI

2012 COMPLETED MAIN RESEARCHER

10. INVESTIGATION OF FENGYCIN ISOFORMS PRODUCTION BY NOVEL ISOLATES OF BACILLUS SUBTILIS AND ITS ACTIVITY AGAINST VARIOUS TYPES OF FUNGI.

2012 COMPLETED MAIN RESEARCHER

11. EXPLOITATION OF NOVEL LOCAL ISOLATES OF B. SUBTILIS FOR SURFACTIN YIELD AND ISOFORMS PRODUCTION INVE

2011 COMPLETED MAIN RESEARCHER

12. PRODUCTION OF SURFICTION BY B.SUBTILIS ATCC 21332 USING PALM OIL MILL EFFLUENT (POME) AS FERMENTATION MEDIA

2009 COMPLETED MAIN RESEARCHER

PUBLICATION

1. BLUEPRINT KELESTARIAN USIM: MENYEMARAKKAN KAMPUS BARAKAH

2021 POLICY

2. EVALUATION OF ANTIBACTERIAL POTENTIAL OF BIOSURFACTANT PRODUCED BY SURFACTIN-PRODUCING BACILLUS ISOLATED FROM SELECTED MALAYSIAN FERMENTED FOODS

2020 JOURNAL

3. DEVELOPMENT OF POLYETHERSULFONE (PES)/REDUCED GRAPHENE OXIDE NANOCOMPOSITE NANOFILTRATION MEMBRANE

2020 JOURNAL

4. SINGLE STEP CROSS-FLOW ULTRAFILTRATION TECHNIQUE FOR RECOVERY AND PURIFICATION OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS MSH1

2018 JOURNAL

5. KINETICS OF SURFACTIN PRODUCTION BY BACILLUS SUBTILIS IN A 5 L STIRRED-TANK BIOREACTOR

2017 JOURNAL

6. ANTIBACTERIAL ACTIVITY OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS MSH1

2017 JOURNAL

7. INTRODUCTION TO CHEMICAL SAFETY

2017 BOOK

8. THE EFFECT OF GAMMA IRRADIATION ON CHITOSAN AND ITS APPLICATION AS A PLANT GROWTH PROMOTER IN CHINESE KALE (BRASSICA ALBOGLABRA)

2016 JOURNAL

9. PRODUCTION, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF SURFACTIN PRODUCED BY BACILLUS SUBTILIS MSH1

2016 PROCEEDING

10. A SIMPLE AND EFFECTIVE ISOCRATIC HPLC METHOD FOR FAST IDENTIFICATION AND QUANTIFICATION OF SURFACTIN

2015 JOURNAL

11. ISOLATION AND SCREENING OF BIOSURFACTANT-PRODUCING BACILLUS SUBTILIS IN LOCAL TRADITIONAL FERMENTED FOODS

2015 PROCEEDING

12. MODIFIED FERMENTATION MEDIA FOR ENHANCED PRODUCTION OF SURFACTIN BY LOCAL ISOLATED BACILLUS SUBTILIS

2015 PROCEEDING

13. ISOLATION AND IDENTIFICATION OF SURFACTIN PRODUCER FROM LOCAL ISOLATES OF BACILLUS SUBTILIS

2015 PROCEEDING

14. CLEANING POTENTIAL OF SURFACTIN ON FOULED ULTRAFILTRATION (UF) MEMBRANES

2012 JOURNAL

15. SURFACE ACTIVITY OF SURFACTIN RECOVERED AND PURIFIED FROM FERMENTATION BROTH USING A TWO-STEP ULTRAFILTRATION (UF) PROCESS

2011 JOURNAL

16. INVESTIGATION OF CLEANING POTENTIAL OF SURFACTIN ON FOULED ULTRAFILTRATION (UF) MEMBRANES

2011 PROCEEDING

17. A FURTHER STUDY OF THE RECOVERY AND PURIFICATION OF SURFACTIN FROM FERMENTATION BROTH BY MEMBRANE FILTRATION

2008 JOURNAL

18. RECOVERY AND PURIFICATION OF SURFACTIN FROM FERMENTATION BROTH BY A TWO-STEP ULTRAFILTRATION PROCESS

2007 JOURNAL

CONSULTATION/ADULATION

1. MSOSH 42ND OSH AWARD

2024 NATIONAL MSOSH

2. 41ST MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH) OSH AWARD 2023 - ARA DAMANSARA MEDICAL CENTRE

2023 NATIONAL MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

3. 41ST MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH) OSH AWARD 2023 - SYNERLITZ (MALAYSIA) SDN BHD

2023 NATIONAL MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

4. 41ST MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH) OSH AWARD 2023 - EDRA POWER HOLDING SDN BHD - JIMAH POWER STATION

2023 NATIONAL MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

5. 40TH MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH OSH AWARD (MEDIVEST SDN BHD HOSPITAL TUANKU AMPUAN NAJIHAH, KUALA PILAH, N. SEMBILAN)

2022 NATIONAL MALAYSIAN SOCIETY FOR OCCUPATIONAL SAFETY AND HEALTH (MSOSH)

AWARDS/RECOGNITION

1. TRAINER / FACILITATOR

2025 NATIONAL

2. TRAINER / FACILITATOR

2025 NATIONAL

3. TRAINER / FACILITATOR

2025 NATIONAL

4. TRAINER / FACILITATOR

2025 NATIONAL

5. TRAINER / FACILITATOR

2025 NATIONAL