



DR. ZUBAIDAH AIMI BINTI ABDUL HAMID (01596A)
PENSYARAH KANAN (TETAP)
FACULTY OF BIOENGINEERING AND TECHNOLOGY
UNIVERSITI MALAYSIA KELANTAN KAMPUS JELI
KAMPUS JELI, BEG BERKUNCI NO.100
JELI

Email: zubaidahaimi.ah@umk.edu.my
Tel: 09-9477000

A. PERSONAL DETAILS

UMK JOIN DATE	06-Dec-2016
DATE OF APPOINTMENT FOR CURRENT POSITION	06-Dec-2016
DATE OF CONFIRMATION FOR CURRENT POSITION	16-Feb-2021
EDUCATION(S)	<ul style="list-style-type: none">• (2016) UNIVERSITI SAINS MALAYSIA IJAZAH DOKTOR FALSAFAH WOOD PROPERTIES• (2011) UNIVERSITI SAINS MALAYSIA IJAZAH SARJANA BIORESOURCE, PAPER AND COATING TECHNOLOGY SCIENCE• (2008) UNIVERSITI SAINS MALAYSIA IJAZAH SARJANA MUDA TEKNOLOGI BIO-RESOURCE, PAPER AND COATING• (2003) POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH ALAM SIJIL ASAS TEKNOLOGI KAYU• (2000) SMT KUALA KLANG SPM
GROUP OF EXPERTISE	<ul style="list-style-type: none">• Applied Science and Technology• Engineering Science and Technology• Green Technology
AWARD(S)	<ul style="list-style-type: none">• Award Name: Anugerah Gemilang Universiti tahun 2019 kategori Penyelidikan dan Inovasi Harapan (2020) Awarded by: Universiti Malaysia Kelantan
WORKING EXPERIENCE(S)	
PROFESIONAL MEMBERSHIP(S)	

B. TEACHING-LEARNING ACTIVITIES

COURSES TAUGHT	<ul style="list-style-type: none">• EFT1133 - BASICS BIOLOGY• EFT2143 - RESEARCH METHODOLOGY AND SCIENTIFIC WRITING• EWT3134 - WOOD AND NON-WOOD PROCESSING TECHNOLOGY• EWT4183 - RESEARCH PROJECT II• FFT1013 - BIOCHEMISTRY• FIE3153 - BIOPRODUCT DEVELOPMENT• FIT2083 - FOOD BIOPROCESSING• FIT2113 - BIOPRODUCT SAFETY AND QUALITY CONTROL• FIT3223 - RESEARCH PROJECT I• FIT4194 - ETHICS IN BIOINDUSTRIAL ENTREPRENEURSHIP• FIT4218 - INDUSTRIAL TRAINING• FIT4233 - RESEARCH PROJECT II• JFT10503 - FUNDAMENTALS OF TECHNOLOGY• JFT20302 - STUDENT IN ENTERPRISE PROGRAMME
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C. RESEARCH AND DEVELOPMENT

JOURNAL(S)	<ol style="list-style-type: none"> 1. THE UTILIZATION OF WHEY CHEESE FERMENTED WITH KEFIR GRAINS AS AN ANTIBACTERIAL SOLID BAR SOAP CO 2024 2. EXTRACTION OF ASIATICOSIDE FROM CENTELLA ASIATICA USING ULTRASONIC-ASSISTED ENZYME EXTRACTION CO 2024-12-24 3. EXTRACTION OF ASIATICOSIDE FROM CENTELLA ASIATICA USING ULTRASONIC-ASSISTED ENZYME EXTRACTION CO 2024-01-24 4. SMALL TEMPERATURE VARIATIONS ARE A KEY REGULATOR OF REPRODUCTIVE GROWTH AND ASSIMILATE STORAGE IN OIL PALM (ELAEIS GUINEENSIS) CO 2020-12 5. PHYSIOCHEMICAL PROPERTIES OF BIOFILM FROM DIOSCOREA HISPIDA STARCH BLENDED WITH GLYCEROL EXTRACTED FROM RECYCLING COOKING OIL MAIN 2021-10
PROCEEDING(S)	<ol style="list-style-type: none"> 1. CELLULOSE EXTRACTION FROM SUGARCANE BAGASSE ACROSS AGRICULTURAL, FORESTRY, AND PLANTATION SECTORS CO 2024 2. PURIFICATION OF CRUDE GLYCEROL FROM WASTE COOKING OIL FOR THE PRODUCTION OF BIO-SOAP CORRESPNDG 2024-03 3. SOAP: SANITATION OUTREACH AWARENESS PROGRAM CO 2024 4. CHARACTERIZATION OF STARCH IN TWO CULTIVARS OF UBI GADONG (DIOSCOREA HISPIDA DENNST) MAIN 2020-12-28 5. DEVELOPMENT AND CHARACTERIZATION OF NANOEMULGEL CONTAINING PIPER BETLE ESSENTIAL OIL AS ACTIVE INGREDIENT CO 2020 6. POTENTIAL OF CINNAMOMUM INERS WOOD AS ANTIMICROBIAL AGENT CO 2020-12-28 7. FUNCTIONAL GROUP CINNAMOMUM PORRECTUM WOOD EXTRACTIVES BY FOURIER TRANSFORM INFRARED CO 2020-12-28 8. PHYSIOCHEMICAL PROPERTIES OF BIOFILM FROM DIOSCOREA HISPIDA STARCH BLENDED WITH GLYCEROL EXTRACTED FROM RECYCLING COOKING OIL CORRESPNDG 2022 9. MORPHOLOGICAL STUDY AND BIODEGRADABILITY OF PLA/PBAT THIN-FILM REINFORCED WITH MICROCRYSTALLINE CELLULOSE FROM BAMBOO CO 2022 10. EFFECT OF HEATED AND NON-HEATED TREATMENT OF CINNAMOMUM PORRECTUM EXTRACT ON RUBBERWOOD AND OIL- PALM TRUNK VENEER AGAINST FUNGI CO 2022
BOOK(S)	<ol style="list-style-type: none"> 1. MODUL DISEMINASI TEKNOLOGI PEMROSESAN MAKANAN DAN PRODUK ASAS TANI CO 2024-09-01
CHAPTER(S)	<ol style="list-style-type: none"> 1. WOOD WASTE AS A RENEWABLE ENERGY SOURCE: EFFECT PRETREATMENT TECHNOLOGY FOR SUSTAINABLE BIOETHANOL PRODUCTION MAIN 2023
OTHER(S)	<ol style="list-style-type: none"> 1. SABUN LIMAU PURUT DAN SERAI CORRESPNDG 2024 2. SABUN SISA KULIT TEMBIKAI MAIN 2024 3. PROPERTIES OF POLYETHERSULFONE ULTRAFILTRATION MEMBRANE BY INCORPORATING IONIC LIQUID FOR HUMIC ACID REMOVAL CO 2022
RESEARCH(S)	<ol style="list-style-type: none"> 1. BIODEGRADABLE WATER-BASED DEGREASER HEAD PPRN 2017 2. CADANGAN PENGHASILAN PROCIUK SOFTGE/ BERASASKAN MADU KELULUT, PEMBOTOLAN, PEMBUNGKUSAN DAN PERLABELAN SECARA ORIGINAL EQUIPMENT MANUFACTURER (OEM) BAGI PRODUK JENAMA ZQUAT HEAD UMK 2023 3. CHARACTERIZATION OF TWO DIFFERENT CULTIVARS OF DISCOREA HISPIDA DENNST. (UBI GADONG) AS A POTENTIAL FEEDSTOCK FOR ENERGY SOURCE. HEAD SGJP 2017 4. DEVELOPING BOOKING ICT EQUIPMENT SYSTEM IN UNIVERSITY MALAYSIA KELANTAN MEMBER UMK 2021 5. E BOSY- BOOKING ICT SYSTEM HEAD UMK 2021 6. INTEGRATED SYSTEM FOR SEPARATION CELLULOSE, EXTRACTIVE, LIGNIN (CEL) FROM LIGNOCELLULOSE MATERIAL MEMBER UMK-PRO 2021 7. ISOLATION OF DIOSCORINE COMPOUND IN DISCOREA HISPIDA DENNST (GADONG TUBER) AS A POTENTIAL MATERIAL FOR NATURAL INSECTICIDE HEAD UMKRS 2020 8. PROGRAM PEMERKASAAN EKONOMI KOMUNITI SETEMPAT BAGI PENGURUSAN KESIHATAN, PEMBANGUNAN SISTEM BIODKOMPOS DAN APLIKASI TEKNOLOGI JIMAT-TENAGA MELALUI PERMODENAN SISTEM PENTERNAKAN KAMBING SECARA BERSEPADU DAN LESTARI HEAD UMK-COM 2022 9. PENGKOMERSIALAN PROCIUK JENAMA ZQUAT ROYAL SOFTGEL SECARA ORIGINAL EQUIPMENT MANUFACTURER (OEM) MELALUI PEMBOTOLAN, PEMBUNGKUSAN DAN PERLABELAN PENDAFTARAN PROCIUK HEAD TSFAS 2023 10. PROGRAM PEMERKASAAN EKONOMI KOMUNITI SETEMPAT BAGI PENGURUSAN KESIHATAN, PEMBANGUNAN SISTEM BIODKOMPOS DAN APLIKASI TEKNOLOGI JIMAT-TENAGA MELALUI PERMODENAN SISTEM PENTERNAKAN KAMBING SECARA BERSEPADU DAN LESTARI HEAD UMKSIR 2023 11. STNTHESIS OF HYBRID ORGANIC - INORGANIC SIO2 - UREA FROM RICE HUSK ASH: A BASIC CATALYST FOR BENZYLIDENEMALONONITRILE REACTION SYNTHESIS MEMBER SGJP 2017 12. THE MECHANISM OF ANTIFUNGAL ACTION OF CINNAMOMUM PORRECTUM EXTRACT AGAINST WHITE-ROT AND BROWN-ROT ON RUBBERWOOD AND OIL PALM TRUNK VENEERS MEMBER FRGS 2020

	<p>13. UPSCALING BIOPLASTIC PROTOTYPE DEVELOPMENT FROM MICROALGAE RESIDUE MEMBER UMK-FUND 2020</p> <p>14. UTILIZATION OF NICOTIANA TABACUM STALKS-BASED XYLAN AND TAPIOCA STARCH COMPOSITE FILMS FOR ACTIVE FOOD PACKAGING MEMBER SGJP 2017</p>
SUPERVISION	<ul style="list-style-type: none"> • DEVELOPMENT OF THE IOT-BASED KENAF MONITORING SYSTEM (K-MONS) FOR SUSTAINABLE KENAF PROCESSING MAIN SUPERVISOR FOR A MASTER'S STUDENT • THE EXTRACTION OF BIOACTIVE COMPOUNDS FROM CENTELLA ASIATICA THROUGH ULTRASONIC ASSISTED AND ENZYMIC-ASSISTED APPROACH CO SUPERVISOR FOR A MASTER'S STUDENT
RESEARCH AWARD (S)	<ul style="list-style-type: none"> • Product Name: The International Research and Symposium and Exposition (RISE) 2020 Award: GOLD Role: Member Exhibition Name: The International Research and Symposium and Exposition (RISE) • Product Name: K Bioenzyme Award: GOLD Role: Member Exhibition Name: MTE 2023 • Product Name: The International Research and Symposium and Exposition (RISE) Award: SPECIAL Role: Member Exhibition Name: The International Research and Symposium and Exposition (RISE) • Product Name: Bioform Award: SILVER Role: Member Exhibition Name: CRI 2023 • Product Name: Bioform Award: SILVER Role: Member Exhibition Name: CRI 2023 • Product Name: Antifungal Preservative from cinnamomun species for veneer application Award: BRONZE Role: Member Exhibition Name: CRI • Product Name: Ionic Ultrafiltration Polyethersulfone (PES) Membrane For Humic Acid Removal Award: BRONZE Role: Member Exhibition Name: AGRORIC 2021

D. CONSULTATION

CONSULTATION(S)	1. ANTIFOAM HEAD 2021
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E. COMMUNITY SERVICES

COMMUNITY SERVICES	
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