

Profile Image

TS. DR. HATIKA BINTI KACO

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CONTACT

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Faculty: Kolej Permata Insan

SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

AREAS OF EXPERTISE

ACADEMIC QUALIFICATION

PhD in Materials Science (2015)

Bachelor in Materials Science (2011)

RESEARCH

1. INVESTIGATING THE DE-AND-RE-POLYMERIZATION ON CHAIN EXTENSION OF RECYCLED PET FOR HIGH PERFORMANCE 3D PRINTING MATERIAL

2024

GERAN KPT

ON GOING

MAIN RESEARCHER

2. GIFT TO GIVE: EXPLORING GIFTED STUDENTS AS TRENDSETTERS TO INTENSIFY STEM LEARNING THROUGH ADDITIVE MANUFACTURING TECHNOLOGY

2024

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

MAIN RESEARCHER

3. TOUCH AND MEMORIZE: INAUGURATION OF ROSARY-LIKE 3D PRINTED BRAILLE QURAN FOR VISUALLY IMPAIRED CHILDREN

2019

GERAN PENYELIDIKAN USIM

COMPLETED

MAIN RESEARCHER

PUBLICATION

1. SULAM NATURE APPRECIATION MODULE: SCIENCE AND THE QURAN IN HARMONY

INTERNATIONAL SEMINAR ON ISLAMIC AND SCIENCE

2024 PROCEEDING NON-INDEX MAIN AUTHOR

2. CHAPTER 1: ICE BREAKING: PERSONAL TIC TAC TOE

3D PRINTING ACTIVITY FOR YOUNG INNOVATORS: DESIGN IT! CREATE IT! INNOVATE IT!

2024 CHAPTER IN BOOK MAIN AUTHOR

3. CHAPTER 3: UNLEASHING CREATIVITY: CRAFTING AN EDUCATIONAL TOOL THROUGH INNOVATION

3D PRINTING ACTIVITY FOR YOUNG INNOVATORS: DESIGN IT! CREATE IT! INNOVATE IT!

2024 CHAPTER IN BOOK MAIN AUTHOR

4. INNOVATION UNVEILED: PRESENTING MY INVENTIVE MODEL IN THE PROJECT REPORT

3D PRINTING ACTIVITY FOR YOUNG INNOVATORS: DESIGN IT! CREATE IT! INNOVATE IT!

2024 CHAPTER IN BOOK MAIN AUTHOR

5. FIZIK: HATIKA KACO

MODUL PENGAJARAN DAN PEMBELAJARAN SERTA PENTAKSIRAN BERSEPADU KURIKULUM PENDIDIKAN PINTAR BERBAKAT INTEGRASI AQLI DAN NAQLI (IGED), ASAS 2

2022 CHAPTER IN BOOK MAIN AUTHOR

6. 3D PRINTED BRAILLE TILES AND TAPE FOR BEGINNERS IN LEARNING QURAN BRAILLE

KONGRES DAN PERTANDINGAN INOVASI DALAM PENGAJARAN DAN PEMBELAJARAN (KNOVASI) 2021

2021 PROCEEDING NON-INDEX MAIN AUTHOR

7. FUN LEARNING ACTIVITY WITH 3D PRINTING KIT AS ATTRACTIVE APPROACHES FOR EMPHASIZING PHYSICS INTEREST

ACTIVE LEARNING IN EDUCATION 4.0: STUDENTS AS OWNERS OF LEARNINGS

2021 CHAPTER IN BOOK MAIN AUTHOR

8. OIL WATER SEPARATION: INAUGURATION OF CELLULOSE AND CHEMICALLY MODIFIED CELLULOSE-RGO VIA GRAPHENE OXIDE FUNCTIONALIZATION

TEST ENGINEERING AND MANAGEMENT

2020 JOURNAL SCOPUS MAIN AUTHOR

9. DEGRADATION OF CELLULOSE MOLECULAR WEIGHT: EFFECT OF ACID HYDROLYSIS TIME ON CELLULOSE HYDROGEL PROPERTIES

INNOVATION FOR SUSTAINABILITY AND GREEN TECHNOLOGY: DEGRADATION OF INANIMATE FORMS

2019 CHAPTER IN BOOK MAIN AUTHOR

10. ENHANCED CORROSION INHIBITION USING PURIFIED TANNIN IN HCL MEDIUM

MALAYSIAN JOURNAL OF ANALYTICAL SCIENCES

2018 JOURNAL SCOPUS MAIN AUTHOR

11. EFFECT OF GRAPHENE OXIDE ON THERMAL STABILITY OF AEROGEL BIONANOCOMPOSITE FROM CELLULOSE-BASED WASTE BIOMASS

CELLULOSE

2018 JOURNAL WOS MAIN AUTHOR

12. REGENERATED KENAF CORE CELLULOSE PRODUCTS PREPARED VIA PRE-COOLED METHOD

THE 1ST INTERNATIONAL CONFERENCE OF APPLIED BIOLOGY, CHEMISTRY & SCIENCE (ICABCS 2018)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

13. PENGENALAN

POTENSI PRODUK HIJAU TERMAJU DARIPADA SUMBER BIOJISIM PERTANIAN

2018 CHAPTER IN BOOK MAIN AUTHOR

PUBLICATION

14. LIGNOSELULOSA

POTENSI PRODUK HIJAU TERMAJU DARIPADA SUMBER BIOJISIM PERTANIAN

2018

CHAPTER IN BOOK

MAIN AUTHOR

15. SUMBER LIGNOSELULOSA DARIPADA HASIL INDUSTRI PERTANIAN

POTENSI PRODUK HIJAU TERMAJU DARIPADA SUMBER BIOJISIM PERTANIAN

2018

CHAPTER IN BOOK

MAIN AUTHOR

16. POTENSI BAHARU PRODUK KONVENSIONAL DARIPADA BIOJISIM LIGNOSELULOSA

POTENSI PRODUK HIJAU TERMAJU DARIPADA SUMBER BIOJISIM PERTANIAN

2018

CHAPTER IN BOOK

MAIN AUTHOR

17. SELULOSA SEBAGAI SUMBER APLIKASI TERMAJU

POTENSI PRODUK HIJAU TERMAJU DARIPADA SUMBER BIOJISIM PERTANIAN

2018

CHAPTER IN BOOK

MAIN AUTHOR

18. PENUTUP

POTENSI PRODUK HIJAU TERMAJU DARIPADA SUMBER BIOJISIM PERTANIAN

2018

CHAPTER IN BOOK

MAIN AUTHOR

19. PREPARATION OF CELLULOSE SOLUTION FROM OIL PALM EMPTY FRUIT BUNCH (EFB) PULP

ASIAN INTERNATIONAL CONFERENCE ON MATERIALS, MINERALS AND POLYMER

2012

PROCEEDING

NON-INDEX

MAIN AUTHOR

20. PENYEDIAAN LARUTAN SELULOSA DARIPADA PULPA SERABUT TANDAN KELAPA SAWIT (STKS)

KOLOKIUUM SISWAZAH KE-12, FAKULTI SAINS DAN TEKNOLOGI, UKM

2012

PROCEEDING

NON-INDEX

MAIN AUTHOR

CONSULTATION

1. KAJIAN BANCAN INDUSTRI PERKAYUAN NEGARA
MALAYSIAN TIMBER INDUSTRY BOARD (MTIB)

2017

NATIONAL

AWARDS/RECOGNITION

1. ANUGERAH PENILAI BERKUALITI JANUARI 2024

2024

UNIVERSITY

2. ANUGERAH PENILAI BERKUALITI MAC 2024

2024

UNIVERSITY

3. ANUGERAH PENYELIDIK CEMERLANG MAC 2024

2024

UNIVERSITY

4. ANUGERAH PENULIS JURNAL CEMERLANG JUN 2024

2024

UNIVERSITY

5. ANUGERAH PENULIS JURNAL CEMERLANG FEBRUARI 2024

2024

UNIVERSITY