



## DR. ZURAIRAH BINTI IBRAHIM

PENSYARAH PERGIGIAN DUG15

### CONTACT

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**E-mail:**

izurairah@usim.edu.my

**Faculty:** Fakulti Pergigian

### SUPERVISION

PhD - Completed: 0, Ongoing: 0

Master - Completed: 0, Ongoing: 0

## AREAS OF EXPERTISE

Paediatric Dentistry

Oral Imaging

Orthodontics

## ACADEMIC QUALIFICATION

Master in Orthodontics (2014)

Bachelor in Doktor Pergigian (2003)

Sijil in Matrikulasi Sains Dan Biologi (1998)

## RESEARCH

**1. A TWO-PHASE COMPARATIVE STUDY ON THE FITTING ACCURACY AND PATIENT ACCEPTANCE OF 3D-PRINTED ORTHODONTIC RETAINERS WITH VARYING OCCLUSAL SURFACE COVERAGE DESIGNS COMPARED TO CONVENTIONAL VACUUM-FORMED RETAINERS**

2026

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

MAIN RESEARCHER

**2. CONVENTIONAL VERSUS VIRTUAL BRACKET REMOVAL FOR VACUUM-FORMED RETAINER FIT: A SPLIT-MOUTH CLINICAL STUDY**

2026

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

CO-RESEARCHER

**3. THE ENVIRONMENTAL IMPACT OF ORTHODONTIC ALIGNERS: A STUDY OF MATERIAL SUSTAINABILITY AND DISPOSABLE CHALLENGES**

2025

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

MAIN RESEARCHER

**4. THE DEVELOPMENT AND FITTING ACCURACY OF 3D PRINTED RETAINER AND VACUUM FORMED RETAINER**

2023

GERAN PENYELIDIKAN PUSAT TANGGUNGJAWAB (PTJ)

ON GOING

CO-RESEARCHER

**5. DIFFERENCES IN SKELETAL AGE, DENTAL AGE, AND DURATION OF GROWTH SPURT BASED ON CHRONOLOGICAL AGE AND GENDER TYPES BETWEEN INDONESIA AND MALAYSIA POPULATIONS**

2021

BIDUNI MIZANNIYAH

COMPLETED

MAIN RESEARCHER

# RESEARCH

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## 6. STRESS AND COPING MECHANISM IN DENTAL UNDERGRADUATES: A COMPARISON BETWEEN ISLAMIC BASED AND NON-ISLAMIC BASED UNIVERSITY IN MALAYSIA

2021 BIDUNI MIZANNIYAH COMPLETED MAIN RESEARCHER

## 7. ASSOCIATION BETWEEN EMOTIONAL INTELLIGENCE AND PERCEIVED STRESS AMONG USIM AND UNIMUS DENTAL STUDENTS : A CROSS SECTIONAL STUDY

2019 GERAN PENYELIDIKAN KHAS COMPLETED MAIN RESEARCHER

## 8. THE EFFECT OF TUNGSTEN CARBIDE BUR ON ENAMEL SURFACE AFTER DEBONDING ORTHODONTIC BRACKETS.

2017 GERAN PENYELIDIKAN USIM COMPLETED CO-RESEARCHER

## 9. INDEKS SYARIAH MALAYSIA (FASA 2)

2016 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED CO-RESEARCHER

## 10. THE PSYCHOCIAL IMPACT OF DENTAL AESTHETICS ON PATIENTS WHO REQUIRE ORTHODONTICS TREATMENT IN USIM DENTAL CLINIC

2016 GERAN JANGKA PENDEK FASA 1 COMPLETED CO-RESEARCHER

## 11. TRANSCRIPTOMIC ANALYSIS STREPTOCOCCUS MUTANS TREATED WITH MELASTOMA MALABATHRICUM STEM BARK EXTRACT(MMSBAE)

2016 GERAN JANGKA PENDEK FASA 1 COMPLETED CO-RESEARCHER

## 12. A STUDY ON THE EFFICACY OF TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS WITH FIXED APPLIANCES

2016 GERAN JANGKA PENDEK FASA 1 COMPLETED MAIN RESEARCHER

## 13. MENILAI KEBERKESANAN USAHA KERAJAAN DALAM MELAKSANAKAN MAQASI SYARIAH UNTUK PROGRAM BERKAITAN KESIHATAN DI NEGERI SEMBILAN, SELANGOR DAN WILAYAH PERSEKUTUAN

2015 GERAN PENYELIDIKAN AGENSI KERAJAAN COMPLETED CO-RESEARCHER

# PUBLICATION

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## 1. THE FITTING ACCURACY OF 3D PRINTED RETAINER VS VACUUM-FORMED RETAINER

10TH USIM DENTAL STUDENTS' COLLOQUIUM

2024 PROCEEDING NON-INDEX CORRESPONDING AUTHOR

## 2. PRINTED 3D RETAINER VS VACUUM-FORMED RETAINER

30TH MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION

2024 PROCEEDING NON-INDEX MAIN AUTHOR

## 3. GIGI BONGSU TERIMPAK

RAWATAN PERGIGIAN PEDIATRIK DAN ORTODONTIK

2023 CHAPTER IN BOOK CO-AUTHOR

## 4. GIGI TIDAK TUMBUH KELUAR

RAWATAN PERGIGIAN PEDIATRIK DAN ORTODONTIK

2023 CHAPTER IN BOOK CO-AUTHOR

## 5. STRESS AND COPING MECHANISM AMONG DENTAL UNDERGRADUATES: A COMPARISON BETWEEN ISLAMIC BASED AND NON-ISLAMIC BASED UNIVERSITIES IN MALAYSIA

IHEC 2022 5TH INTERNATIONAL HEALTH VIRTUAL CONFERENCE

2022 PROCEEDING SCOPUS CO-AUTHOR

## 6. SEBUAH KERINDUAN

KUMPULAN ANEKDOT MUTIARA HIKAMH 4 COVID OH COVID!

2022 CHAPTER IN BOOK CO-AUTHOR

## 7. IMPACT OF COVID-19 PANDEMIC ON DENTAL EDUCATION: EXPERIENCE SHARING FROM A MALAYSIAN PUBLIC UNIVERSITY

ULUM ISLAMIYYAH -THE MALAYSIAN JOURNAL OF ISLAMIC SCIENCES - SPECIAL ISSUE: HEALTHCARE IN PANDEMIC ERA: "THE NEW NORM"

2021 JOURNAL MYCITE CO-AUTHOR

## 8. SHORT DENTAL IMPLANTS ON REHABILITATION OF ATROPHIC MAXILLARY RIDGE UTILIZING DIGITAL PLANNING

MALAYSIAN JOURNAL OF SCIENCE, HEALTH AND TECHNOLOGY

2021 JOURNAL MYCITE CO-AUTHOR

## 9. PRELIMINARY STUDY ON ONLINE ORTHODONTIC SCREENING APPS

INTERNATIONAL JOURNAL OF MEDICAL SCIENCE AND INNOVATIVE RESEARCH

2021 JOURNAL OTHER DATABASE CO-AUTHOR

## 10. A COMPARATIVE STUDY OF DENTAL INDICES AMONG DENTAL STUDENTS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2020 JOURNAL SCOPUS CO-AUTHOR

## 11. STUDENTS PERCEPTION ON USAGE OF ORTHODONTIC INDICES DURING CLINICAL EXAMINATION

4TH INTERNATIONAL HEALTH E CONFERENCE

2020 PROCEEDING NON-INDEX CO-AUTHOR

## 12. WHO CAN COPE BETTER WITH STRESS? COMPARISON BETWEEN TWO UNIVERSITIES

NATIONAL DENTAL STUDENTS SCIENTIFIC CONFERENCE SPECIAL EDITION 2020

2020 PROCEEDING NON-INDEX CO-AUTHOR

## 13. A COMPARATIVE STUDY OF DENTAL AESTHETIC INDEX (DAI) AND INDEX OF ORTHODONTIC TREATMENT NEED (IOTN) USAGE AMONG USIM DENTAL STUDENTS

4TH INTERNATIONAL HEALTH E CONFERENCE

2020 PROCEEDING NON-INDEX CO-AUTHOR

# PUBLICATION

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## 14. A RANDOMIZED CONTROLLED TRIAL ON THE EFFICACY OF TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS WITH FIXED APPLIANCES

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS MAIN AUTHOR

## 15. THE PSYCHOSOCIAL IMPACT OF DENTAL AESTHETICS ON ORTHODONTIC PATIENTS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

## 16. AWARENESS OF FAKE BRACES USAGE AMONG Y-GENERATIONS

JOURNAL OF INTERNATIONAL DENTAL AND MEDICAL RESEARCH

2019 JOURNAL SCOPUS CO-AUTHOR

## 17. A COMPARATIVE STUDY OF DAI AND IOTN INDICES USAGE AMONG USIM DENTAL STUDENTS

52ND SCIENTIFIC CONGRESS OF KOREAN ASSOCIATION OF ORTHODONTIST

2019 PROCEEDING NON-INDEX CO-AUTHOR

## 18. PLAQUE REMOVAL EFFICIENCY COMPARISON BETWEEN TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS UNDERGOING FIXED ORTHODONTIC TREATMENT: A RANDOMISED CLINICAL TRIAL

DIGITAL ORTHODONTICS: WHERE ARE WE HEADED? 24TH MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION 21ST ? 23RD APRIL 2018, PENANG

2018 PROCEEDING NON-INDEX MAIN AUTHOR

## 19. PREVALENCE OF IMPACTED CANINES AMONG OUTPATIENTS IN USIM POLYCLINIC

DIGITAL ORTHODONTICS: WHERE ARE WE HEADED? 24TH MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION (MAOISCTE)

2018 PROCEEDING NON-INDEX MAIN AUTHOR

## 20. RADIOGRAPH IN ORTHODONTICS

2018 BOOK CO-AUTHOR

## 21. A PRELIMINARY STUDY ON THE EFFICACY OF TWO TYPES OF MANUAL TOOTHBRUSHES IN PATIENTS WITH FIXED APPLIANCES

22ND MALAYSIAN ASSOCIATION OF ORTHODONTISTS INTERNATIONAL SCIENTIFIC CONFERENCE AND TRADE EXHIBITION 2016.

2016 PROCEEDING NON-INDEX CO-AUTHOR

## 22. ORTHODONTICS : EXAMINATION AND DIAGNOSIS

2016 BOOK CO-AUTHOR

## 23. ENDOGENOUS IGF-I PRODUCTION BY EXERCISED SKELETAL MUSCLE CONSTRUCT; THE EFFECT OF DIFFERENT STRAIN REGIMES

FDI BANGKOK 2015

2015 PROCEEDING NON-INDEX MAIN AUTHOR

## 24. COMPARISON BETWEEN MOLAR BANDS, BONDABLE TUBES AND AND BONDABLE TUBES WITH FLOWABLE COMPOSITES

SCIENTIFIC COOPERATIONS MEDICAL WORKSHOPS

2015 PROCEEDING NON-INDEX CO-AUTHOR

# CONSULTATION

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## 1. ORTHODONTICS AND ORAL DEVELOPMENT

FACULTY OF DENTAL MEDICINE, UNIVERSITAS AIRLANGGA

2019

UNIVERSITY

# AWARDS/RECOGNITION

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## 1. ANUGERAH PENGAJARAN E-PEMBELAJARAN (BERKUMPULAN) SESI AKADEMIK 2023/2024

2024 UNIVERSITY

## 2. ANUGERAH PERKHIDMATAN SETIA

2024 UNIVERSITY

## 3. ACADEMIC ADVISOR

FACULTY OF DENTISTRY UNIVERSITY SAINS ISLAM MALAYSIA

2024 UNIVERSITY

## 4. ACADEMIC ADVISOR

FACULTY OF DENTISTRY UNIVERSITY SAINS ISLAM MALAYSIA

2024 UNIVERSITY

## 5. ACADEMIC ADVISOR

FACULTY OF DENTISTRY UNIVERSITI SAINS ISLAM MALAYSIA

2023 UNIVERSITY

## 6. SIJIL ANUGERAH PENULIS HARAPAN

2022 OTHERS

## 7. SILVER AWARD (PRODUCT) INOVAS 2022

2022 UNIVERSITY

## 8. POSCARE APP

INOVAS 2022: Human Well-being & Sustainable Community

2022 UNIVERSITY SILVER

## 9. 3RD PLACE FOR BEST EPOSTER AWARD (UNDERGRADUATE CATEGORY) IN 4TH INTERNATIONAL HEALTH ECONFERENCE 2020

2020 INTERNATIONAL

## 10. ACADEMIC ADVISOR

PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI UNIVERSITI SAINS ISLAM MALAYSIA

2020 OTHERS

## 11. ACADEMIC ADVISOR

PUSAT PENGURUSAN PENYELIDIKAN DAN INOVASI UNIVERSITI SAINS ISLAM MALAYSIA

2020 OTHERS

## 12. ACADEMIC ADVISOR

FACULTY OF DENTISTRY UNIVERSITI SAINS ISLAM MALAYSIA

2020 OTHERS

## 13. 1ST PLACE FOR ORAL PRESENTATION, 6TH USIM DENTAL STUDENTS COLLOQUIUM 2019

2019 OTHERS

## 14. BEST RESEARCH, 6TH USIM DENTAL STUDENTS COLLOQUIUM 2019

2019 OTHERS

# AWARDS/RECOGNITION

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## 15. BRONZE

2017 INTERNATIONAL

## 16. DENTOLIGHT : ILLUMINATE YOUR VISTON

NOVEL RESEARCH INNOVATION AND COMPETITION (NRIC 2017)

2017 KEBANGSAAN BRONZE

## 17. GOLD FOR DENTOLIGHT

2016 UNIVERSITY

## 18. BRONZE FOR IGIGS

2016 UNIVERSITY

## 19. DENTOLIGHT

EKSPO INOVASI ISLAM 1438H (i-INOVA16)

2016 UNIVERSITI GOLD

## 20. IGIGS

EKSPO INOVASI ISLAM 1438H (i-INOVA16)

2016 UNIVERSITI BRONZE

## 21. 2ND BEST ORAL PRESENTATION

2015 OTHERS