



COLLABORATIVE ACTIVITIES
DENTISTRY UB

2024
AGENDA



TABLE OF CONTENT

- **Foreward**
- **Collaboration in Academic Field**
 - **Credit Transfer Program**
 - **ICT**
 - **IISMA**
 - **3 in One -VP**
 - **ISEP**
 - **PMM**
 - **Non-Credit Transfer Program**
 - **Summer Course**
- **Collaboration in Research**
- **Collaboration in Student Exchange**



FOREWARD

Dear, our Partners

National and international collaboration on research projects, person-to-person exchanges, and joint academic programs is a growing area of activity that universities should prioritize. Increased collaboration between us, both formally and informally, is something that all of us should be proactive about. Perhaps most importantly, it is something that we should encourage faculties, staff, and students to give as much attention as possible. We do best when we collaborate.



FACULTY OF DENTISTRY, UNIVERSITAS BRAWIJAYA

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Tel: (0341) 576161

Website: fkg.ub.ac.id

OVERVIEW

The Undergraduate Program of Dentistry, Faculty of Medicine, Universitas Brawijaya, was established by Decree from the General Director of Higher Education No. 2123/D/T/2008 on July 11, 2008. On October 9, 2015, the status was changed from Undergraduate Program of Dentistry, Faculty of Medicine, Universitas Brawijaya, to Faculty of Dentistry, Universitas Brawijaya, by Letter of Approval from Minister of State Apparatus Empowerment and Bureaucracy Reformation No. B/3278 / M.PAN-RB/10/2015.

Vision: To become an excellent, international-standard dental faculty and play an active role in nation-building through education, research processes, and community service in 2026.



COLLABORATION IN ACADEMIC FIELD

CREDIT TRANSFER PROGRAM

- ICT is a higher education internationalization program initiated by the The Republic Indonesia by **taking courses at partner universities overseas** as a program that supports the independent campus learning policy.
- Transferred credits can combine courses, final assignments, fieldwork practices, and practical field experiences.
- The number of credits obtained by students is **equivalent to 6–20 credits**. Conducted online and offline

- **The Indonesian International Student Mobility Awards** is a scholarship program offered by the Republic of Indonesia to assist Indonesian **students in mobility programs at prestigious universities worldwide**.
- Undergraduate students spend one semester (four to six months) at a partner university abroad, taking courses unrelated to their major, developing leadership and intercultural communication skills, immersing themselves in local culture, and broadening their global network.

The logo for iisma features the lowercase letters 'iisma' in a bold, black, sans-serif font. A small red square is positioned above the first 'i'.

Mobilitas Internasional
Mahasiswa Indonesia

THE UNIVERSITY DESTINATION

2021/2022

 **UNITED STATES**

Boston University
Michigan State University
Northwestern University *
Pennsylvania State University
University of California, Davis
University of Pennsylvania

 **CANADA**

University of British Columbia
University of Waterloo

 **UNITED KINGDOM**

Lancaster University
Nottingham University
University College London *
University of Birmingham
University of Glasgow
University of Leeds
University of Liverpool
University of Strathclyde
University of Sussex
University of York

 **IRELAND**


DUI Gateway
University of Limerick

 **PORTUGAL**

FEUC, Faculdade Engenharia School

 **SPAIN**

Universidad Pompeu Fabra
University of Granada

 **ITALY**

Sapienza University of Rome
University of Padua
University of Pisa

 **GERMANY**


Hochschule Hannover

 **POLAND**

University of Warsaw

 **BELGIUM**

Katholieke Universiteit Leuven

 **HUNGARY**


University of Pecs
University of Szeged

 **NETHERLANDS**


Leiden University *
Maastricht University
University of Groningen *
University of Twente
Vrije Universiteit Amsterdam

 **CZECH REPUBLIC**


Palacky University Olomouc

 **CROATIA**


University of Zagreb

 **RUSSIA**


RUDN University

 **TURKEY**


Middle East Technical University

 **LITHUANIA**

Vytautas Magnus University

 **LATVIA**

Raugonija University

 **BULGARIA**

Varna University of Management


 **UAE**

Abu Dhabi University

 **JAPAN**

Osakaya University
Tohoku University


2021/2022 Partners

 **SINGAPORE**


Nanyang Technological University
Singapore Management University

 **MALAYSIA**


Universiti Kebangsaan Malaysia
Universiti Putra Malaysia
Universiti Sains Malaysia
Universiti Teknologi Malaysia
Universiti Malaya

 **SOUTH KOREA**


Hanyang University
Seoul University
Kyungpook National University
Yonsei University

 **BRUNEI DARUSSALAM**

Universiti Brunei Darussalam

 **TAIWAN**

National Taiwan Normal University
National Tsing Hua University
National Sun Yat-sen University
National Taiwan University of Science and Technology

 **THAILAND**


Prince of Songkla University

 **INDIA**

IIT Bombay *

 **AUSTRALIA**

Deakin University *
University of Newcastle *
University of Queensland *
University of Sydney *
University of Western Australia *
Queensland University of Technology *

 **NEW ZEALAND**

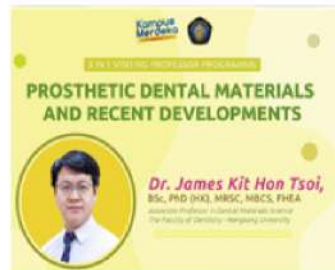
Massey University *
University of Auckland *

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3in1

Fakultas Kedokteran Gigi Universitas Brawijaya

- A program in the learning process of specific subjects that is not only handled by full-time lecturers in Universitas Brawijaya but combined with part-time recruitment of international-quality foreign lecturers and practicing lecturers
- One course is managed by three lecturers: UB lecturers, **foreign lecturers** (professor or associate professor), and **practitioner lecturers**.
- Held in odd and even semesters





The topics 3 in One Programe-VP in 2024:

- Nanotechnology in Dentistry (odd sem)
- Herbal medicine (odd sem)
- Oral Biology (even sem)
- Oral surgery and Radiology (odd sem)
- Dental material (even sem)
- Pediatric dentistry (even sem)
- Conservative dentistry and Endodontics (even sem), etc

ISEP

Fakultas Kedokteran Gigi

- The International Student Exchange Program (ISEP) is a mandatory activity at Universitas Brawijaya, organized by each faculty member at UB. The aim:
 - Improving networks between students to add insight from the exchange of cultural information and internal student knowledge of educational management and a diverse academic atmosphere, and
 - Increasing the quantity and quality of international students at Universitas Brawijaya
- The international students follow the program and get a student number for a minimum of 1 semester.
- The platform program is hybrid or offline.
- Held in odd and even semesters
- **The program in 2024:** Nanotechnology in Dentistry, Herbal Medicine, Geriatric Special Care Dentistry

STUDENT INBOUND HERBAL MEDICINE



The participant student from Hue University, Vietnam

STUDENT INBOUND HERBAL MEDICINE



The participant student from Kagoshima University, Japan

PMM

Fakultas Kedokteran Gigi
Universitas Brawijaya

PERTUKARAN MAHASISWA MERDEKA (PMM)

“Independent Student Exchange”:

Student exchange between island clusters for one semester gets the recognition of up to 20 credits by providing benefits for students in:

1

Strengthen or
Explore and study
the diversity of the
archipelago



2

Make friends
with students
from different
regions



3

Strengthen or
expand
academic
competencies



IMPLEMENTATION STRATEGY

- It is recommended that students complete all 20 credits of the courses the Receiving College offers.
- Students may combine courses from the receiving college (minimum 14 credits) with courses from the sending college (minimum 6 credits; online; no practicum), as in the following plan:

Courses	MODUL NUSANTARA	Other courses at the receiving college	Other courses at the sending college	TOTAL
Credit	4	10 - 16	0 - 6	20

COURSES IN FACULTY OF DENTISTRY UB FOR PMM

Faculty	Study Program	Courses	Credits	Applicants (until 2023)
Faculty of Dentistry	Bachelor of Dentistry	Geriatric Elective (1 and 2)	2	2
		Herbal Medicine Elective (1 and 2)	2	3
		Entrepreneurship	3	7
		Nanomedicine (2 and 3)	2	3
		Forensic Odontology	1	5
		Community Service Program with IPE based	2	3
		Total	12	23

PMM FACULTY OF DENTISTRY



PMM participants from University of Syiah Kuala and Univeristy

NON CREDIT TRANSFER PROGRAM

Summer course program

- Program from Universitas Brawijaya to facilitate student mobility between campuses internationally to share experiences, improve the quality of learning, and increase UB's academic reputation. The program also aims to Increase the quantity and quality of international students at Universitas Brawijaya.
- Program platform: hybrid or online
- The course period: at least ten working days, held in odd and even semester
- **The 2024-year program:** Nano Dentistry, Entrepreneurship, Herbal Medicine Dry-lab

INTERNATIONAL CONFERENCE

The Faculty of Dentistry UB annually holds international conferences, the Brawijaya Scientific Meeting in Dentistry (BSMD) and the International Conference Brawijaya Dentistry (ICBD). The main topic discussed During the BSMD implementation was broadening dentists' insight and clinical skills. At ICBD, the main discussion is the latest scientific developments in dentistry. In organizing the two scientific meetings, FKG UB collaborated with educational institution partners (as co-host/co-organizer)..



3rd ANNOUNCEMENT

Virtual Conference

3rd INTERNATIONAL CONFERENCE BRAWIJAYA DENTISTRY (ICBD)

October 6th - 07th, 2023
BRAWIJAYA HOTEL, MALANG

Memorizing Technology and Research in Medicine in A New Dimension

UNIVERSITAS PUTRA MALAYSIA AND UNIVERSITI HASANUDDIN

USD 25.000

MAIN SPEAKERS

06 October 6th, 2023

07 October 7th, 2023

08 October 08th, 2023

Registration

CONTACT US

In collaboration with Universiti Putra Malaysia (UPM) and Hasanuddin University (UNHAS)

6th BRAWIJAYA SCIENTIFIC MEETING IN DENTISTRY

CONFERENCE

July 6th, 2023. BRAWIJAYA HOTEL, MALANG

TECHNOLOGY AND MATERIAL UPDATES IN DENTISTRY

Speakers

06 July 6th, 2023

07 July 7th, 2023

08 July 8th, 2023

Registration

CONTACT US

In collaboration with University of East Sumatera (USU) and Jember University

The 7th BMSD and 6th ICBD will be conducted in 2024 in **collaboration with partners**



COLLABORATION IN RESEARCH

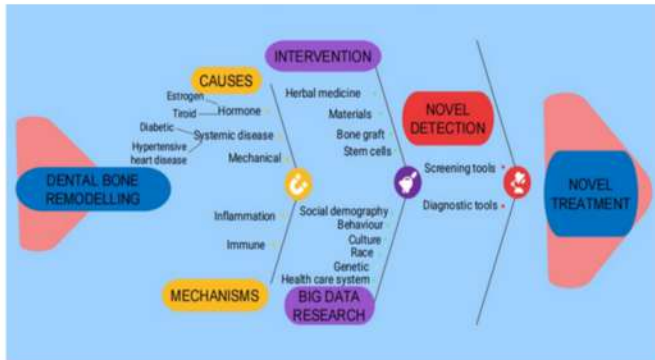
RESEARCH FOCUS & ROAD MAP

The development of research and community service in Faculty of Dentistry ((FKG) regulated by the Unit for Research and Community Service (BPPM). In 2016, BPPM has determined the topics that will be the focus of research at FKG, including:

- Wound and Bone healing (regeration)
- Stem cell and nano dental material
- Herbal medicine
- Social medicine

Based on the interaction of the four focused research topics, a research roadmap related to bone regeneration was prepared, starting from studying the pathology (causes and mechanisms) of several factors (disease and social) that cause bone defects/resorption, developing interventions using drugs or herbal remedies, searching biomarkers for the development of medical devices, which ultimately results in rational/ novel treatment for bone defects/resorption according to the cause.

ROAD MAP BONE REMODELLING



Lastest Publication related to the road map:

Lodra EH, Effendi MC, Permatasari N, Drajat RS (2023) Potential of fenugreek (*Trigonella foenum-graecum* L.) metabolites as dental residual ridge resorption inhibitors through estrogen receptor signaling: In silico study. *J Pharm Pharmacogn Res* 11(4): 683–690. https://doi.org/10.56499/jppres23.1680_11.4.683

Istikharoh F, Sinta C. Wardani,- Ariyati R. Pratiwi,Hidayat Sujuti, Edi Mustamsir. Demineralized freeze-dried bovine bone xenograft enhance osteoblast viability and proliferation for jaw regeneration

materials Journal of Dentomaxillofacial Science (J Dentomaxillofac Sci) August 2023 8(2): 105-109 |

Fauzia M, Ega Lucida Chandra Kumala¹, Ayu Nabilatul Ummah. The number of lymphocytes in rabbit gingival wounds covered with a periodontal pack with lime peel extract. Bali MedJ 2023, Volume 12, Number 2: 1514-1521P-ISSN.2089-1180, E-ISSN: 2302-2914

Effendi, M.C., Mardiyantoro, F., Firani, N.K., Taufiq, A., and Nugraha, I.P. 2022. The effect of pangasius djambal gelatin treatment on the lymphocyte cells after tooth extraction. CMU J. Nat. Sci. 21(2): e2022022.

Rachmawati R, Hidayat M, Permatasari N and Widyarti S. Jellyfish (Aurelia aurita) collagen scaffolds potential in alveolar bone regeneration [version 1; peer review: 1 approved with reservations] F1000Research 2021, 10:318
<https://doi.org/10.12688/f1000research.28402.1>

Recent research collaboration:

- Biosynthesis, Characterization and Anti-Inflammatory Testing of Zinc Oxide Nano Particles Using Physalis Angulata Linn Extract. (Delvi dkk). Joint research partner: ION2, UPM, Malaysia
- Potential of Aloe Vera Extract as a Scaffold from Umbilical Cord Cell Isolate on Dental Pulp Stem Cell Viability (Yuly dkk). Joint research partner: Hue University of Medicine and Pharmacy, Vietnam

RESEARCH GRANTS

Collaborative research grant funds can come from:

(1) Faculty: FKG offers funding for the Join Research competitive scheme for researchers who conduct research with FKG UB partner national and international universities. The deadline for accepting proposals is the first week of March

(2) The University Brawijaya (UB): International Collaborative Research Grant (HAPKI) is the implementation of the MOU that Brawijaya University has signed. The requirements for research members must include foreign research partner researchers from institutions that already have an MOU with UB. The deadline for accepting proposals is the first week of February

(3) University PTNBH, Indonesian Collaborative Research (RKI) is the research between university PTNBH, PTNBH with BRIN, and PTNBH overseas. The strategic fields developed must contain a multi-, inter-, and cross-

disciplinary approach, preferably having local Indonesian content (indigenous knowledge and resources), and aims to help solve local problems in Indonesia. The deadline for accepting proposals is the fourth week of March.

LABORATORY FACILITIES IN UB





COLLABORATION IN STUDENT ACTIVITY

DENTISTRY SUMMER CAMP

The program provides a unique opportunity for dental students to generate discussion and understanding across the dental healthcare field, broadening their horizons. Furthermore, in order to develop essential interdisciplinary skills and concepts in multidisciplinary and multicultural dental healthcare systems.

Program Highlights:

- Dentistry Scientific and Entrepreneurship Competition (Poster Presentation, Literature Review, Original Research Articles, Academic Bowl, Tooth Carving, business plan, and Start-Up Ideas)
- Mini Lecture and Workshops on:
- Leadership and Entrepreneurial Qualities in Sustainable Development Goals
- Innovative Ways and Strategies for Improving Oral Health Care in Special Needs Patients
- Team Building Activities and Story Sharing from different country's presentation

- Cultural Exchange and Diversity Celebration
- Sightseeing and Explore the City of Malang and Batu

Program Schedule: The program will be in a hybrid format, including online and in-person segments. Online segments of the IDSE Academic Bowl will occur in June 2024 (the exact date to be announced).

Program Fees: Exact Fees to Be Announced

(**Fees include online segments and in-person segment arrangements (meals and accommodations arrangements in Universitas Brawijaya campus, City Tour tickets, local transportation throughout the program, but exclude visa application fees, airfares, and other essentials/incidentals expenses)

For more information, please contact us via e-mail kemahasiswaan.fkg@ub.ac.id



LET'S WORK
TOGETHER
