



# SAM RATULANGI UNIVERSITY (INTERNATIONAL COLLABORATION)

Rector: Prof. Dr. Ir. Ellen Joan Kumaat, M.Sc., DEA



## UNIVERSITAS SAM RATULANGI MANADO

Jl. Kampus UNSRAT Bahu, Manado 95115 - Sulawesi Utara  
Telp. (0431)863886 - Fax. (0431)822568  
[www.unsrat.ac.id](http://www.unsrat.ac.id) | [rektorat@unsrat.ac.id](mailto:rektorat@unsrat.ac.id)





# Strategic Geo-position: - Country's Border



**INDONESIA**





# Academic Data (year 2015 onwards)

Faculties	:	11
Departments	:	57
Undergraduate study programs	:	47
Post graduate (Master & Doctorate), Professionals, and Specialist Medical Doctors	:	27
Laboratories	:	78
Students	:	25.259
Lectures	:	1.725
Administrative Staff and Technicians	:	743





# Faculties

1. Faculty of Medicine
2. Faculty of Engineering
3. Faculty of Agriculture
4. Faculty of Animal Husbandry
5. Faculty of Fisheries & Marine Sciences
6. Faculty of Economy & Business
7. Faculty of Law
8. Faculty of Social & Political Sciences
9. Faculty of Humanities
10. Faculty of Mathematics & Natural Sciences
11. Faculty of Public Health
12. Postgraduate Program





# INSTITUTION & SERVICE UNITS

1. Institution of Research and Community Outreach
2. Institution of Education Planning and Development
3. Institution of Quality Assurance
4. Unit of Informatics and Communication Technology
5. Unit of Library
6. Unit of Printing & Publication
7. Unit of Integrated Laboratory
8. Unit of International Services
9. Unit of Language Services



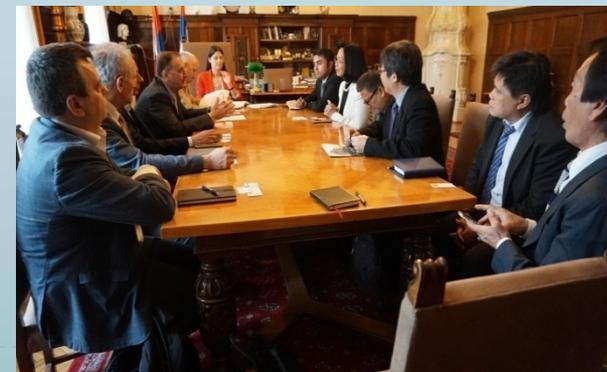
# Institutional collaboration

International: 23 Institutions  
(U to U)

- Joint Research,
- Students Exchanges
- Visiting Professors
- Double Degrees
- Internship

National: 34 Institutions

- ❖ Research & Development
- ❖ Scholarship
- ❖ Training, Short Courses
- ❖ Banking & other public services



# Countries and Universities/Institutes (1):

US America	Idaho University, Texas A & M University, University of Washington, Clemson University
Canada	Simon Fraser University, McGill University, Humber Institute of Technology & Advanced Learning
Netherland	Vrije University of Amsterdam, Groningen University
Hungary	Debrecen University,
Czech	Czech University
Germany	Bonn University, Hamburg University, ZMT-Bremen University
Rumania	Universitatea de Stiinte Agronomice si Medicina Din Bucuresti

## Countries and Universities/Institutes (2):

India	Madras Christian College
Korea	Pukyong National University, Busan Foreign International School
Thailand	Kasetsart University
Malaysia	Universiti Utara Malaysia University of Malaya Kuala Trenggano
Philippines	Silliman University, University of the Philippines Visayas
Australia	University of Queensland, Queensland University of Technology, James Cook University. Curtin University, Murdoch University, Griffith University
New Zealand	University of Canterbury

# International Collaboration (Japan):

Institutions	Type of Collaboration	Status
The University of Tokyo	<p>Development and promotion of research, research training and teaching, curriculum and course design</p> <p>Exchange of, and corporation between respective staff, scholars and students</p> <p>Sponsoring cooperative seminars, workshops and other academic meetings</p>	on going, since 2012
Obihiro University of Agriculture and Veterinary Medicine	<p>Development and promotion of research, research training and teaching, curriculum and course design</p> <p>Exchange of, and corporation between respective staff, scholars and students</p> <p>Sponsoring cooperative seminars, workshops and other academic meetings</p>	on going, since 2012
Tokyo University of Marine Science and Technology	Corporation between staff, scholars and students, Joint Research	on going, since 2010
Nagasaki University	Joint Research	on going, extended



# International Collaboration (Japan)-*cont'd*:

<b>Institutions</b>	<b>Type of Collaboration</b>	<b>Status</b>
Kagoshima University	Tropical Fisheries with International Linkage, Joint Research	on going, officially from 2015
Tohoku Pharmaceutical University	Joint Research	on going, since 2013
Kumamoto University	Joint Research	on going, since 2013
IDEA Consultant Japan	Tondano Lake restoration	on going, since June 2015
Aquamarine Fukushima	Coelacanth research	on going, since 2010
Saga University	Joint Research	on going
Gakushuin University	Joint research	In process





# International Collaborations with Japan:

## 2004 – 2009

Academic and Educational:

- 9 lecturers graduated from TUMSAT (3 Master's course and 6 Doctoral course)
- Student exchange: 2 students
- Visiting researcher: 3 Lecturers

## 2010 – 2012

Academic and Educational: Visiting researcher 1 lecturer

Research Collaboration:

- Rheological carrageenan. 2010-Now. Prof. Hiroo Ogawa  
Publications: 1 International journal and 3 Presentations
- Coral reef restoration. 2007-Now. Prof. Mineo Okamoto  
Publications: 3 International journals and 10 Presentations
- Lipid oxidation. 2011-Now. Prof. Toshiaki Ohshima  
Publications: 2 Presentations

## 2013-2015

- Research collaboration (with Regency Government of Minahasa)
- SAME Program : 5 Lecturers (Tohoku Pharmaceutical University, Nagasaki University, Kagoshima University, and Kyushu University)





# Lesson learnt from International Collaboration of both UNSRAT and Japan Institutions:

- ▶ **Natural resources**
  - ▶ Indonesia: abundant/highly biodiversity and natural resources
  - ▶ Japan: less natural resources and biodiversity
  - ▶ Supporting for transfer technology for exploration and exploitation
- ▶ **Human Resources**
  - ▶ Indonesia: require higher/better education of many staff/lectures/students
  - ▶ Japan: qualified higher education with higher supporting technology/facilities
  - ▶ Supporting for transfer of knowledge for human being
- ▶ **Technology Resources**
  - ▶ Japan : High technology for human needed
  - ▶ Indonesia : Development of High Technology
  - ▶ Supporting for transfer of technology for future generation





# Prospective Collaboration

- Academic exchange in development of staff and students,
- Summer and internship program,
- Research collaboration,
- Publication collaboration,
- Internship collaboration,
- Student exchange program.
- International Linkage University (Kagoshima University, Sam Ratulangi University, Kasetsart University, University of Malaya Kuala Terengganu, University of Philippines Visayas)
- International Master Program in Tropical Coral Reef and Biodiversity (*established*).





# UNSRAT DEVELOPMENT PLAN

## MAIN CAMPUS BLOCK PLAN



# UNSRAT DEVELOPMENT PLAN

## STRATEGIC PROGRAM: ACADEMIC HOSPITAL



- General Hospital
- Dental and Mouth Hospital
- Health Centre





**“Terima kasih”**

**“Thank you”**

**“Arigato Gozaimasu”**

