



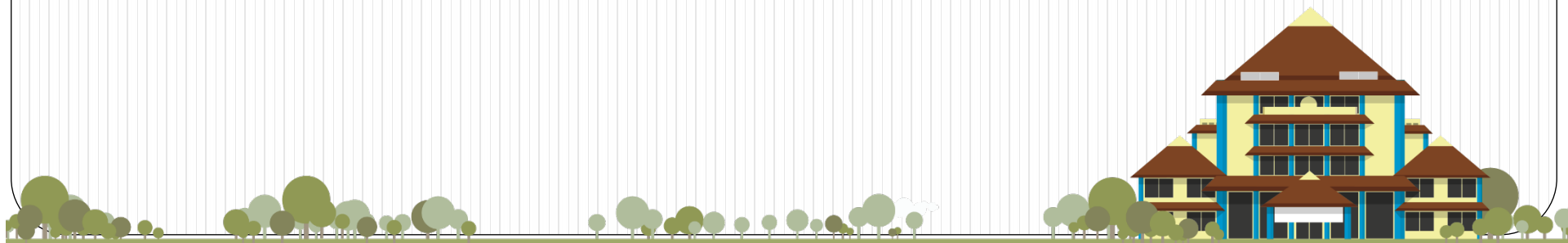
UNIVERSITAS AIRLANGGA  
Excellence with Morality

# Universitas Airlangga

for

3rd Indonesia-Japan Rector's Forum 2015

Hokkaido University, Japan





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# UNIVERSITAS AIRLANGGA (UNAIR) at A Glimpse

- Established in **1954**, Today, UNAIR has **14 faculties**, ranging from **natural sciences, medicine, and social sciences**, and one school of postgraduate studies.
- We aim to be an **independent, innovative**, and foremost university both **regionally and globally**, a forerunner of **science, technology, humanities, and arts** development and **upholds morality** and religiosity.
- with **three campuses** located in strategic locations in Surabaya, Indonesia. More than **33,000 students**, from diploma, bachelor, and postgraduate students, studying at UNAIR.





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# UNIVERSITAS AIRLANGGA (UNAIR)

## Recognitions

Best  
Universities in  
Indonesia (4<sup>th</sup>)

Top 150 Asian  
University  
(127<sup>th</sup>)

1<sup>st</sup> University  
With Research  
Impact in Asia

One of The Most  
Competitive  
Universities in  
Indonesia (1:13)

Source: Internal Research and based on QS 2014 ranking





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# Where is UNAIR?

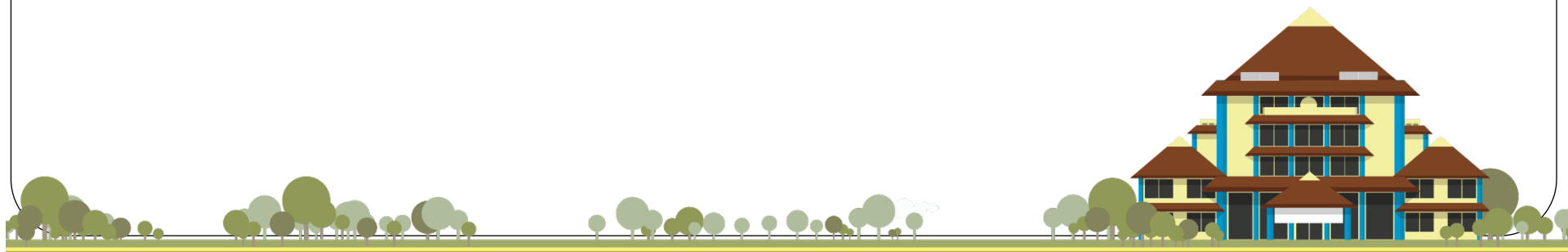




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# History of UNAIR – Japan Cooperation

- Begun cooperating since 1964
- Indonesian Universities:
  - Universitas Airlangga,
  - Universitas Gadjah Mada,
  - Universitas Indonesia
- Japanese University:
  - Kobe University Graduate School of Medicine





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# HISTORY of INSTITUTE of TROPICAL DISEASE (ITD)





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# TROPICAL DISEASE RESEARCH CENTER (TDRC)

- Cooperation between UNAIR and Kobe University
- Period: 1992-1996
- Funded by JICA
- Housed in Faculty of Medicine (Campus A)
- Chairman: Prof. IGN Gde Ranuh







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# TROPICAL DISEASE RESEARCH CENTER (TDRC)







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# TROPICAL DISEASE CENTER (TDC)

- Period: 1997-2007
- Moved to Campus C
- New building sponsored by JICA and Indonesian Government
- Chairman: Prof. Yoes Priyatna Dachlan





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# TROPICAL DISEASE CENTER (TDC)

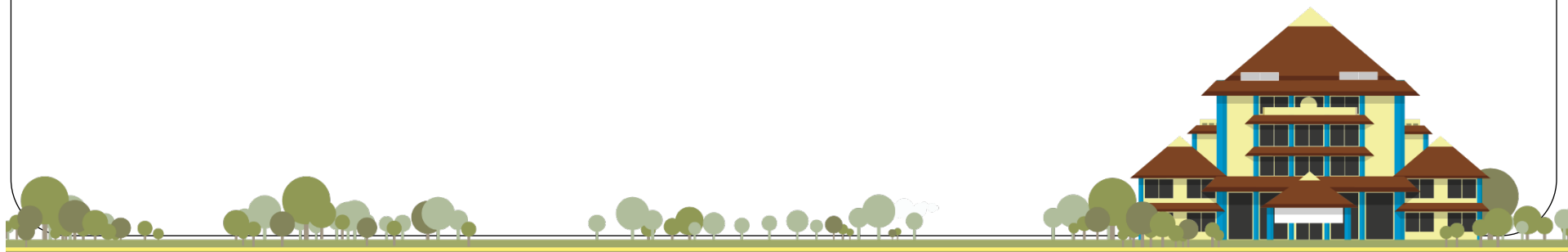




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# INSTITUTE OF TROPICAL DISEASE (ITD)

- Since January 2008
- Detached from Faculty of Medicine, became an institute directly under Rector
- Chairman: Prof. Nasronudin







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# INSTITUTE OF TROPICAL DISEASE (ITD)

CENTER OF EXCELLENCE ON HEALTH AND MEDICINE





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# RESEARCH COLLABORATIONS (with JAPAN)





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## J-GRID (Japan Initiative for Global Research Network on Infectious Diseases)

- Collaborations among Japanese Universities and Institutions with Asian and African universities
- Initiated by Ministry of Education, Culture, Science, Sports, and Technology (MEXT) Japan
- Period: 2007-2015 (1<sup>st</sup> and 2<sup>nd</sup> terms)
- UNAIR (ITD) with Kobe University
- Focus: Emerging and re-emerging infectious diseases
- Results: 50 publications (2010-2013) and health policies





## RESEARCH CENTERS

### 研究拠点

**INDIA**  
 ・National Institute of Cholera and Enteric Diseases (Okayama University)  
**インド**  
 《岡山大学 拠点》  
 ・国立コレラおよび腸管感染症研究所

**CHINA**  
 ・Institute of Biophysics, Chinese Academy of Sciences  
 ・Institute of Microbiology, Chinese Academy of Sciences  
 ・Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences (The University of Tokyo)

**中国**  
 《東京大学 拠点》  
 ・中国科学院 生物物理研究所  
 ・中国科学院 微生物研究所  
 ・中国農業科学院 ハルビン獣医研究所

**GHANA**  
 ・Noguchi Memorial Institute for Medical Research, University of Ghana (Tokyo Medical and Dental University)

**ガーナ**  
 《東京医科歯科大学 拠点》  
 ・ガーナ大学 野口記念医学研究所

**VIETNAM**  
 ・National Institute of Hygiene and Epidemiology (Nagasaki University)  
 ・Bach Mai Hospital and other hospitals (National Center for Global Health and Medicine)

**ベトナム**  
 《長崎大学 拠点》  
 ・国立衛生疫学研究所  
 《国立国際医療研究センター 拠点》  
 ・バックマイ病院など

Myanmar (Niigata University)

**PHILIPPINES**  
 Research Institute for Tropical Medicine (Tohoku University)

**フィリピン**  
 《東北大学 拠点》  
 ・熱帯医学研究所

Kenya (Nagasaki University)

**ZAMBIA**  
 ・Samora Machel School of Veterinary Medicine, University of Zambia (Hokkaido University)

**ザンビア**  
 《北海道大学 拠点》  
 ・ザンビア大学  
 サモラ・マシェル獣医学部

**THAILAND**  
 ・National Institute of Health  
 ・Faculty of Tropical Medicine, Mahidol University (Osaka University)  
 ・National Institute of Animal Health (National Institute of Animal Health)

**タイ**  
 《大阪大学 拠点》  
 ・国立予防衛生研究所  
 ・マヒドン大学熱帯医学部  
 《動物衛生研究所 拠点》  
 ・国立家畜衛生研究所

**INDONESIA**  
 ・Institute of Tropical Disease, Airlangga University (Kobe University)

**インドネシア**  
 《神戸大学 拠点》  
 ・アイルランガ大学熱帯病研究所

## JAPAN 国内



Program Director Yoshiyuki Nagai (永井美之)  
 Program Officer Hiroshi Suzuki (鈴木 宏)  
 Program Officer Tadahito Kanda (神田忠仁)

**CRNID**  
 新興・再興感染症研究ネットワーク推進センター

Osaka University 大阪大学

National Institute of Animal Health 動物衛生研究所

Nagasaki University 長崎大学

National Center for Global Health and Medicine 国立国際医療研究センター

The University of Tokyo 東京大学

Hokkaido University 北海道大学

Okayama University 岡山大学

Kobe University 神戸大学

Tohoku University 東北大学

Tokyo Medical and Dental University 東京医科歯科大学

○: Associate Member アソシエイトメンバー  
 Nagasaki University (Kenya) 長崎大学(ケニア)  
 Niigata University (Myanmar) 新潟大学(ミャンマー)

Government of Japan (Ministry of Education, Culture, Sports, Science and Technology (MEXT) and other ministries and agencies) and governmental organizations  
 文部科学省および関係省庁・政府関係機関





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## J-GRID (Japan Initiative for Global Research Network on Infectious Diseases)

- Period: 2015-2020 (third term)
- Supported by AMED (Japan Agency for Medical Research and Development)
- UNAIR – Kobe University – NIID (National Institute of Infectious Diseases, Japan)
- Research focus:
  - Influenza
  - Dengue
  - Gastrointestinal Infection
  - Hepatitis





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## SATREPS (Science and Technology Research Partnership for Sustainable Development)

- Supported by JICA-JST
- 2010-2014
  - Unair – UI – Kobe University
  - Research focus: anti HCV substances from medicinal plants
- 2014-2019
  - Tsukuba University – BPPT – **UNAIR** – LIPI – Kitasato University – Tokyo University – MicroBiopharm Japan Co. Ltd.
  - Research focus: anti amoeba and anti malaria substances from medicinal plants



# HANDOVER NMR FROM JICA-SATREPS TO ITD UNAIR (23 OCTOBER 2012)

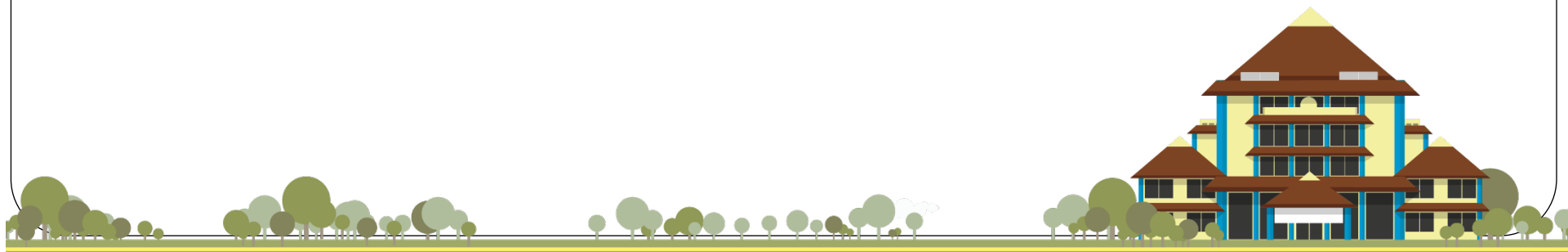




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# HEPATITIS B STUDY

- From 2014
- ITD UNAIR – NCGM (National Center for Global Health and Medicine) Tokyo – University of Tokyo
- Supported by NCGM (Ministry of Health Japan) and Universitas Airlangga

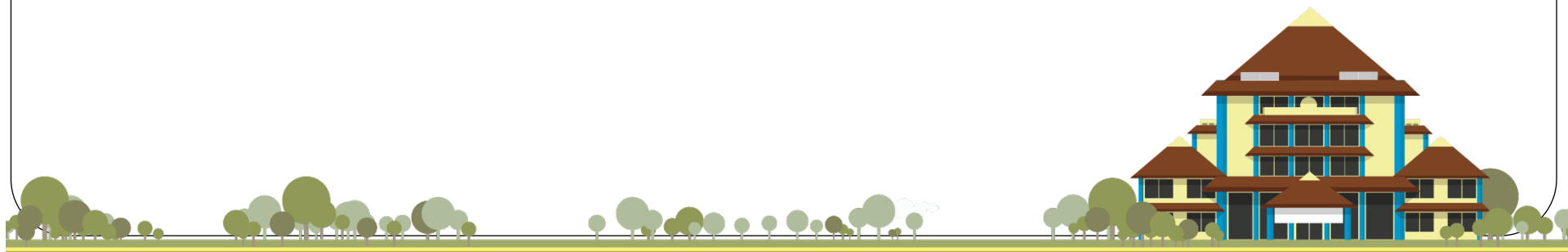




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# MALARIA

- Collaboration of ITD-UNAIR with Malaria No More, Japan (NGO) and Yayasan Sosial Pembangunan Masyarakat, Indonesia.
- Focus: Studies on the malaria parasites, accurate diagnosis, vector control and malaria eradication in Flores, Indonesia.
- Period: 2015-2018







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## ITD MALARIA STUDY GROUP ACTIVITY AND INDONESIAN ARMY REGIONAL MILITARY COMMAND-XII





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# IMPACT of COLLABORATIONS

- Increase in number of publications
- Capacity building
- Development of Labs and Instruments
- Awards and Certificates
  - Center of Excellence
  - Prayogasala
  - KNAPP
  - AIMS













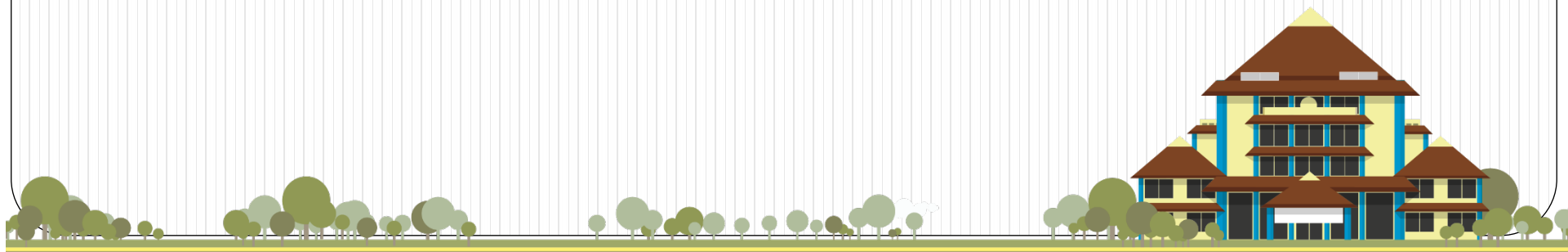
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RESEARCH – COLLABORATION

# **INSTITUTE OF TROPICAL DISEASE – UNIVERSITAS AIRLANGGA**

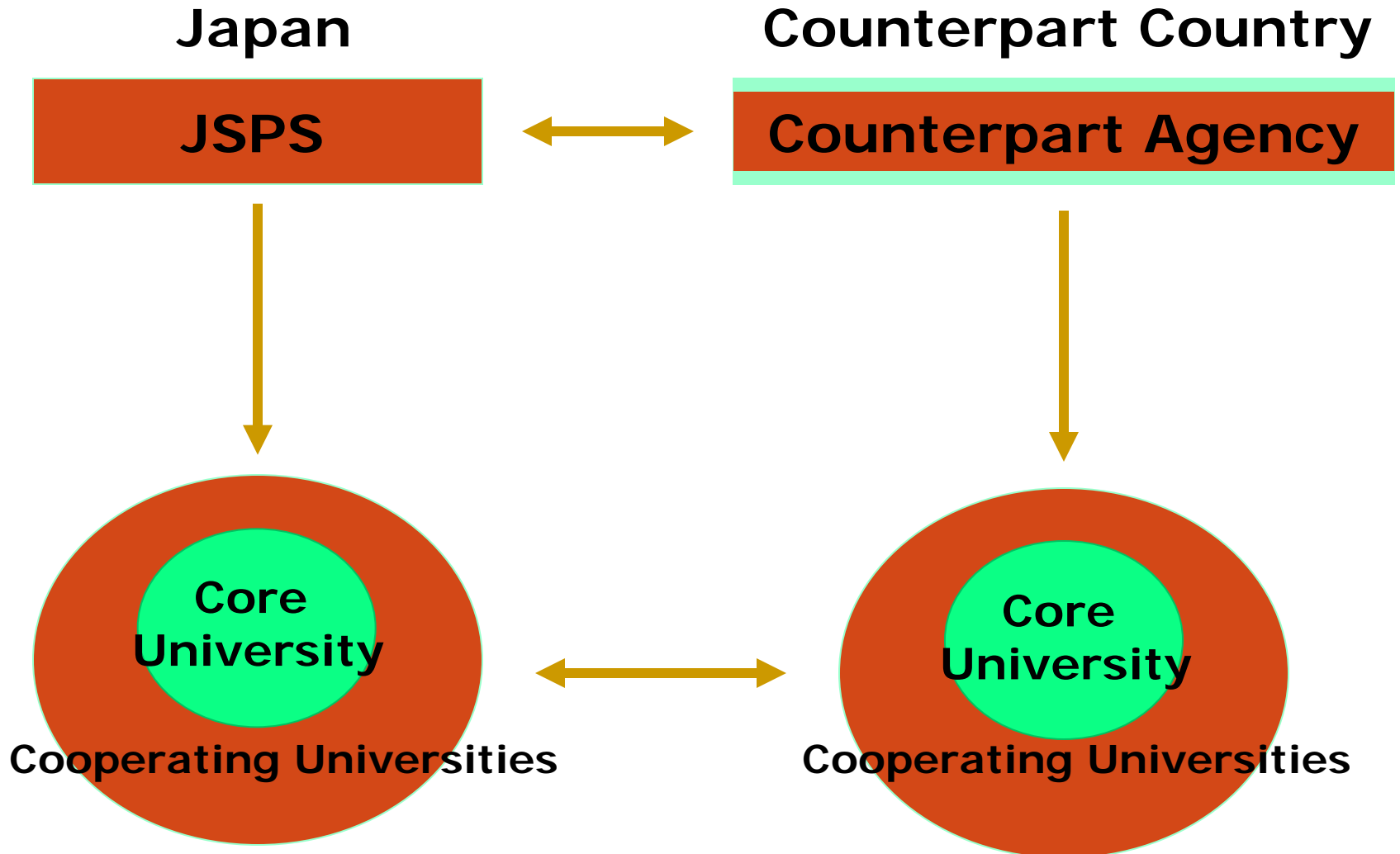
**WITH**

**JAPANESE  
UNIVERSITIES / GOVERNMENT**



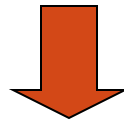


# Core University System (1978 – 1995)



# LARGE SCALE COLLABORATIVE RESEARCH PROJECTS (1990 – 1995)

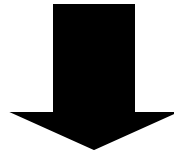
1. Perinatology problems in the tropics :  
Nara Med. Univ. & Gajah Mada Univ.
2. **Infectious diseases in the tropics :**  
**Kobe University & TDRC/TDC,**  
**Universitas Airlangga**
3. Non communicable diseases in the tropics  
: Nagasaki Univ. & University of Indonesia



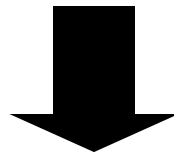
The above programmes are continued by JAPAN  
SOCIETY FOR THE PROMOTION OF SCIENCE  
until year 2000

# Japan's Grant Aid (1995-1998)

1. Basic Design Study by JICA
2. Cabinet Minister Convened
3. Exchange of Notes

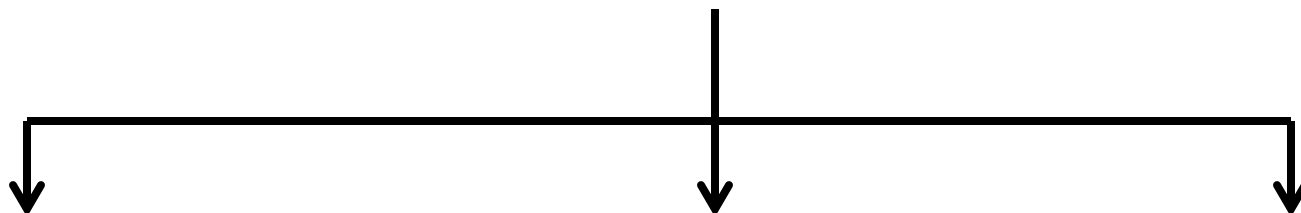


TROPICAL DISEASE RESEARCH CENTER  
(TDRRC)



TROPICAL DISEASE CENTER  
(TDC) → 1998

# RESEARCH COLLABORATION WITH JAPANESE UNIVERSITIES / GOVERNMENT



## KOBE UNIV.

- Under LSCRP/JSPS Program (1990 – 2007)
- Collaboration Research Center for Emerging & Re-emerging Infectious Disease (2007-2015)

## JICA

- Malaria Community Program in West Nusa Tenggara Province (2001-2003)
- Silver Expert in Leprosy (2002 – 2009)

## JICA / JST

“Project for Emerging Infectious Diseases: Development of Vaccine & Natural Substance Based Antiviral Drugs for Control and Prevention of Flavi- and Related Viruses”  
(2009-2013)

**Since 2008, Tropical Disease Center (TDC) is reestablished to become Institute of Tropical Disease (ITD)**



