COLLABORATION: UNIVERSITY – INDUSTRY IN HUMAN VACCINE DEVELOPMENT

Presented by: Endang Sri Maryatun, Bio Farma - Indonesia

WIPO Regional Forum on University – Industry Collaboration to Promote Technology Transfer
Hanoi, November 2 – 4, 2011

1. Introduction
2. Collaboration and Technology Transfer University – Industry
3. Conclusion
1. Introduction

BIO FARMA

- State Owned Enterprise – 100% owned by the Government of the Rep. of Indonesia
- Core business: manufacture Human Vaccines and Antisera
- WHO Pra-qualification
- Supply Vaccine and Antisera to the Gov. of the Rep. of Indonesia for Immunization Program and export its Products to 110 countries (Asia, Africa, Latin America)
ROLE OF BIO FARMA IN IMMUNIZATION PROGRAM

IMMUNIZATION

1. INDIVIDUAL BENEFIT
2. SOCIAL BENEFIT
3. SUPPORT TO NATIONAL HEALTH SYSTEM

PUBLIC HEALTH
PREVENTIVE
CURATIVE
REHABILITATIVE

IMMUNIZATION BENEFITS

- Cause immunity to each individual from infectious diseases
- Breaking the chain of disease transmission from children to other children or adults
- To reduce the number of treatment and care, preventing death and disability that would be a burden for society

Ref.: Antaranews, Oct 8, 2011
2. Collaboration and Technology Transfer
University – Industry

PARTNERSHIP & SINERGY A – B - G

- Government:
  - Policy, Regulations, Financing, etc
  - Support Gov. Programs

- Academic/Research Inst.:
  - Basic Research, Applied Research
  - Innovation, Knowledge, Technology Transfer

- Business:
  - Product Development
The Purpose of Collaboration between Bio Farma and Universities:

- To enhance its role to the success of immunization programs
- Improving human resource capability
- Self-sufficiency in vaccine production through innovation, knowledge and technology transfer
- To produce vaccine with the high quality and safe

How to enhance academia-industry collaboration

- Existing research
- Roadmap
- Problems
- Plan of action

able to: commercialize, consistence, applicable & scale up

Ref. : Iskandar (President Director of Bio Farma)
3. Conclusion:

• Required the same vision, paradigm and perception in collaboration between university and industry to generate innovation, knowledge and technology
Thank You!