IPR MANAGEMENT IN THE MINISTRY OF AGRICULTURE

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THE AGENCY FOR AGRICULTURAL RESEARCH AND DEVELOPMENT
MINISTRY OF AGRICULTURE

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BPPT 2nd Building, Jakarta, 19 February 2014
Outline

1. Agriculture Innovation System
2. IPR Management Activities
3. IPR Based Agricultural Technology Transfer
4. Program of Institute
AGRICULTURE INNOVATION SYSTEM
Main Mandate & Role of IAARD

→ To support the technical agencies (e.g. Directorate General), especially on technology & institution innovation and information development

→ To formulate and propose the policy synthesis on agricultural development
THE ROLE OF R&D IN AGRICULTURE DEVELOPMENT

RESEARCH AND ASSESSMENT

SPECFIC SITE INNOVATIONS TECHNOLOGY

REGIONALITY

AIATS

RES. CENTER/INSTITUTE

13 R & D Center & 19 R Inst

PARTICIPATORY GENERATION OF TECHNOLOGY

MINISTRY OF AGRICULTURE

DIRECTORATE GENERAL

Agriculture Development

Regional Provincial and District
IAARD Organization Structure

MINISTRY OF AGRICULTURE REPUBLIC OF INDONESIA
Organization of IAARD

A. IAARD Secretariat (IAARD-Head Quarter)

B. National Center for R & D
   - Commodity Base : 6 center (+ 14 Research Institute)
   - Problem Solving Base : 8 center (+ 4 Research Institute)

→ Develop/make and provide technology

C. Province Institute for Agricultural Technology Assessment and Development (33 AIAT, Coord. by ICATAD)

→ Trial, assessment and dissemination of specific site technology (farmer level)
Research Center and Research Institute
Field experiment station
Field Laboratory
Source: ICALRRD, 2012
NATIONAL DISSEMINATION SYSTEM OF AGR. TECHNOLOGY

Dissemination Multi Channels
Feed back channels

Public Domain
Commercial

AIAT
IIATT
Research Center and Institute
R&D Institutions (Gov., private and Univ.)

MANAGEMENT R&D HEAD QUARTER
IPR MANAGEMENT ACTIVITIES
BRINGING RESEARCH PRODUCT IN COMMERCIALIZATION

Notes:
- Patent ≠ Commercially proper;
- Commercially proper ≠ Commercially successful.

Ref.: V. Kotelnikov, Ten3Ventures (modified)
Our services in IPR Management:

- Assistance in patent drafting.
- IPR registration & monitoring the process.
- Budget provision for IPR registration.
- Budget provision for accelerating publication (Patent).
Our services in IPR Management:

- Budget provision for substantive examination (Patent & PVT).
- Mediation between inventors and patent examiners.
- Budget provision for the IPR Certificate.
- Budget provision for IPR maintenance.
- Budget provision for New, Unique, Stable, and Similarity examination.
- IPR socialization to researchers for raising awareness and increasing IP registration.
## The number of registration and granted the IPR protection (31 December 2013)

<table>
<thead>
<tr>
<th>Year</th>
<th>Propose for registration</th>
<th>Granted the IPR protection</th>
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<tbody>
<tr>
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<td>Patent</td>
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<td>2006</td>
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<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>192</td>
<td>56</td>
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</table>
Our Focusing and The Challenges

- Plant Variety Protection, and Variety Registration.
- Budget provision for substantive examination for Plant Variety Protection.
- The Problems: Most of the new variety is non hybrid variety (more for public domain).
- Our researcher still focus to produce new varieties as much as they want, but some of them not really based on the market need.
CHALLENGES

(1) The level of awareness on IPR amongst the researchers in (IAARD) needs to be raised.

(2) The registration of technology for IPR protection has not yet reached their potential number (only 35%).

(3) Most of researchers and research center did not put IPR as a target for their objective in the research activities.
3

IPR BASED AGRICULTURAL TECHNOLOGY TRANSFER
IPR Registration

Promotion (business meeting, door to door, etc)

Companies are interested to license the technology

A proposal letter and company profile sent to the DG of IAARD

Selecting the companies (presentation their company profiles, their facilities, etc)

Approval from the DG of IAARD

Mediation between inventor, research institution, and company

Reaching agreement

Signing the licensing agreement

Annual verification (business realization, royalty, obstacles, etc)

IPR BASED AGRICULTURAL TECHNOLOGY TRANSFER MECHANISM
LICENSE AGREEMENT AT IAARD (31 DECEMBER 2013)

- 2005: 1
- 2006: 1
- 2007: 6
- 2008: 3
- 2009: 5
- 2010: 11
- 2011: 18
- 2012: 34
- 2013: 12

[Bar chart showing the number of license agreements from 2005 to 2013]
Our Services in Technology Transfer:

- Promotion (business meeting, door to door, Agricultural Innovative books, website, etc)
- Selecting the companies
- Mediation between the inventors with companies
- Signing of licensing agreement
- Annual verification on licensing agreement
Challenges

(1) Only about 15% of the IPR protected technology has been licensed.
(2) Lack of policy support → less incentive for inventors (royalty 100% submitted to Government).
(3) Research activities are not based on the needs of the market (industry).
(4) Less synergy between research institution and private sectors (users).
Challenges

• There are 91 technology that already Licensing out by the Private Sector, State Owned Enterprise and local Government.

• Around 30% have problem with the quality of technologies (consistency, unstable and not suitable for manufacturing)
PROGRAM OF INSTITUTE
OUR PROGRAM TO IMPROVE IPR MANAGEMENT and TECHNOLOGY TRANSFER:

1. Agreement among the Research center to put the IPR and number of licensing out of technology as the component of Index Performance Indicator, especially for year 2015-2019.
2. IPR will be stated as a output of the research activities (criteria in research proposal evaluation)
3. Our institute facilitated for the assessment process to get IPR information (Patent search)
4. Special awards for researcher that get more IPR Certificate and Licensing out of technology.
5. Special awards for Licensees
6. Initiate some private partnership in research activities (special meeting between private sector and researcher)

7. Customization before licensing out of technology (Consistency and will be ready to manufacturing, regulation adjustment)

8. Improve the database of technology and friendly user and access for the end user of technology.

9. Improve a tool to evaluate a technology that is ready for Licensing Out and get IPR.
Thank You!