

New Zealand's assistance to improve agriculture quarantine services in Indonesia

Ruth Frampton and Jane Lattimore



LANDCARE RESEARCH
MANAAKI WHENUA

Overview

- What is biosecurity (aka quarantine)?
- Biosecurity/quarantine in Indonesia
- Indonesian Agricultural Quarantine Agency
- New Zealand Aid Programme in Indonesia
- Agriculture Quarantine Services Improvement programme

Setting the scene

What is 'biosecurity'

- Means different things to different countries – some do not recognise the term
- There are food inspection agencies, food safety authorities, quarantine agencies, agriculture departments, primary industry ministries undertaking 'biosecurity'



What is biosecurity?

FAO has promoted biosecurity as –

“A strategic and integrated approach that encompasses the policy and regulatory frameworks for analysing and managing relevant risks to human, animal and plant life and health, and associated risks to the environment.”



What is biosecurity?

New Zealand definition

= Biosecurity is the exclusion, eradication or effective management of risks posed by pests and diseases to the economy, environment and human health

AND our system recognises that everyone here has a role (not just MPI)

Biosecurity/Quarantine in Indonesia

- Indonesian Agricultural Quarantine Agency (IAQA) primary role is “to prevent the introduction of quarantine pests and disease of animals, [fish], and plants into the territory of the Republic of Indonesia”
- Archipelago of 17,508 islands (600 inhabited) with a land area of 1,904,500 sq km (land borders with Timor-Leste, Malaysia, PNG)
- Population of over 250 million

About IAQA

- One of 11 divisions in agriculture ministry (Kemtan)
- About 300 of 3500 IAQA staff in Kemtan HO
- Others located in the 52 operational units
- Operational units include 6 main laboratories located at Tanjung Priok, Soekarno-Hatta, Surabaya, Medan (Belawan), Makassar, and CDSAQ, also a dedicated training and research facility, ARIAQ

About IAQA

Frontline operations involve:

- Import/export inspection and testing for diseases relating to animals
- Inspections of wood packaging
- Inspection and sampling/testing of fresh produce and other plant material
- Food safety-related sampling/testing for pesticide residues, toxins, heavy metal contamination
- Testing for product integrity (contamination with pork products)

About IAQA

- Shares food safety responsibilities with BPOM (National Agency for Drug and Food Control)
- IAQA deals with imported fresh food
- BPOM deals with all domestic food and imported processed food



NZ Aid Programme in Indonesia

- Under the MoU on Agricultural Cooperation between NZ and Indonesia, a Specific Cooperation Activity identified for NZ support was *Capacity building for the Indonesia Agricultural Quarantine Agency*
- NZ\$1.5 million originally allocated by MFAT for a programme to be implemented over a 2-year period

About the AQSI programme

- Landcare Research has led the design and successful implementation of this programme, which was referred to as AQSI, the Agriculture Quarantine Services Improvement Programme
- Design finalised in June 2013
- Implementation January 2014 – January 2016 (fixed price contract \$1.608 million)

About AQSI

Six Outputs were prioritised:

- 1 IAQA HO staff trained in risk-based approaches and a risk-based operations strategy recommended to the GOI
- 2 Laboratory Information Management System scoped and designed *[not completed]*
- 3 Six main IAQA operational units trained in pesticide residue testing of fresh food
- 4 Six main IAQA operational units trained in heavy metal testing of fresh food
- 5 Six main IAQA operational units trained in accreditable mealybug diagnostics
- 6 Six main IAQA operational units trained in mite diagnostics



About AQSI

- Output 2 was discontinued late 2014 and remaining funding allocated to “Output 7: High level visit to New Zealand by main port IAQA laboratory directors/managers”
- All training-based outputs (1 and 3-7) were completed as designed with 100 IAQA staff receiving training with the AQSI programme delivering 1290 technical training days
- Capacity building activities were delivered by a Landcare Research-led team comprising key NZ biosecurity providers

About AQSI

Most of the specialist NZ trainers came from:

- the state-owned enterprise, AsureQuality;
- Landcare Research; or
- Ministry for Primary Industries

In-country experts came from Bogor Agricultural University, Indonesian Institute for Sciences and BPOM

Training in Mite Diagnostics (course 1)

Agriculture Quarantine Services Improvement 2014 - 2016
A technical cooperation project between
Republic of Indonesia and New Zealand
Bekasi, August 18th - 22th 2014

Ariaq

PERDAMA

18/08/2014



Acari: an introductory

Zhi-Qiang ZHANG

New Zealand Arthropod
Landcare Research, Auckland

TRAINING IN MITE DIAGN

Applied Research Institute of Ag
Quarantine (ARIAQ), Bekasi, Ind
18-22 August 2014



18/08/2014



20/08/2014



22/08/2014

BERSAMA ANDA MELINDUNGI NEGARA



Batmky
Badan Usaha Teknik dan Metrologi
Kecamatan Pertanian

Dengan Semangat Proklamasi 17 Agustus 1945,
Kita Dukung Sukses Kepemimpinan Nasional Hasil Pemilu 2014
Demi Kelanjutan Pembangunan Menuju **Indonesia**
yang Lebih Maju dan Sejahtera

KEMERDEKAAN RI



WELCOME PARTICIPANTS

Workshop on
Risk Based Approaches to
Quarantine Management

riaq

MAJU BERSAMA
ADVANCING TOGETHER

31/08/2014

Agriculture Quarantine Services
Improvement (AQSI) Project

Risk Based Quarantine Management Workshops

Workshop Facilitators:
Bath Frampton and Rob Duthie

Source of Risk
- High risk
- Low risk
- Medium risk
- High risk
- Low risk
- Medium risk
- High risk
- Low risk
- Medium risk

01/09/2014





02/09/2014



02/09/2014

- ✓ Entry point is rabies free area with vaccination :
- No antibody titter required
- The dogs being vaccinated in entry point
- Health check

03/09/2014





02/11/2014





03/11/2014





07/11/2014

Summary

- Across its various biosecurity providers, NZ has much technical/scientific expertise and experience to offer to other countries
- *Even though* the context in which training or capacity building activities are provided is very different
- AQSI programme was well received, much 'more' was requested by IAQA recognising that it was just a start to what was needed