



KEMENTERIAN PERTANIAN  
REPUBLIK INDONESIA



DINAS PETERNAKAN  
DAN KESEHATAN HEWAN  
PROVINSI SUMATERA UTARA



GLOBAL ALLIANCE  
FOR  
RABIES CONTROL



Center for Indonesian Veterinary Analytical Studies

# REPORT



## WORKSHOP ON RABIES ERADICATION PROGRAM PLAN IN NIAS ISLAND

Gunungsitoli, February 5th - 6th, 2014

Directorate of Animal Health, Ministry of Agriculture  
Livestock and Animal Health Services Office of North Sumatera Province  
Global Alliance for Rabies Control  
Center for Indonesian Veterinary Analytical Studies

## **I. BACKGROUND**

Since the enactment of Nias Island as a rabies infected area through Minister of Agriculture Decree No. 1242/Kpts/PD.620/3/2010 on March 19, 2010 about the outbreak of Rabies in Gunungsitoli, North Sumatra province, the government has done several programs including vaccination, elimination, and public awareness to free Nias Island from Rabies.

However, there are obstacles and barriers in implementing these programs in the field, starting from geography, lack of human resources, lack of facilities, and further need for public awareness and rabies education in children.

For the success of government programs to free Nias Island from rabies in 2015, special attention and full support from the heads of local areas, relevant government institutions, religious leaders, and communities is imperative. Therefore a discussion was conducted on strategies and stages for rabies eradication in Nias Island.

## **II. OBJECTIVE**

The purpose of this workshop was to plan a rabies eradication program for Nias Island.

## **III. OUTPUT**

The output of this workshop is the formulation of strategies and stages for the eradication of rabies from Nias Island.

## **IV. VENUE**

Wednesday, February 5<sup>th</sup>, 2014 – Thursday, February 6<sup>th</sup>, 2014; at Soliga Hotel Gunungsitoli City, Jl P Diponegoro 432 Gunungsitoli, North Sumatera, Indonesia 22815, Tel (+62-639) 21 815, Fax (+62-639) 22 850.

## **V. ORGANIZER**

The workshop was organized by the collaboration of:

- Directorate of Animal Health, Ministry of Agriculture
- Livestock and Animal Health Service Office of North Sumatera Province
- Global Alliance for Rabies Control (GARC)
- Center for Indonesia Veterinary Analytical Studies (CIVAS)

## VI. PARTICIPANTS

The target of the workshop is Livestock Offices or offices in charge of the livestock and animal health, Health Offices, and Education Offices in 5 (five) districts / cities on the Island of Nias. The workshop was also attended by the Director of Animal Health and representatives from the Ministry of Agriculture, representatives of the Global Alliance for Rabies Control (GARC) and the Regional Head of Gunungsitoli.

Speakers, Participants and workshop agenda are listed below:

### Speakers

No.	NAME	INSTITUTION
1.	Drh. Mardiatmi Soewito, MVSc	Directorate of Animal Health, Ministry of Agriculture
2.	Dr. Teguh Supriadi	Health Office of North Sumatera Province
3.	Drh. Sunandar	Center for Indonesian Veterinary Analytical Studies (CIVAS)
4.	Drh. Yusranaria Panjaitan	Livestock and Animal Health Service Office of North Sumatera Province

### Participants from the Directorate of Animal Health, Ministry of Agriculture

No.	NAME	INSTITUTION
1.	Drh. Ernawati Rahmatsyah	Directorate of Animal Health, Ministry of Agriculture

### Participants from North Sumatera Province

No.	NAME	INSTITUTION
1.	Drh. Muhaimin Damanik	Livestock Service Office of North Sumatera Province

### Participants from Disease Investigation Centre

No.	NAME	INSTITUTION
1.	Drh. Gazwa Mettilia Hakim	Regional I Disease Investigation Center in Medan

### Participants from Nias Island

No.	NAME	INSTITUTION
1.	Nurhalimah Lombu	Health Office of Gunungsitoli City
2.	Erniwati Tel	Health Office of Gunungsitoli City
3.	Oktavianus	Education Office of Gunungsitoli City
4.	Yosua Lase	Agriculture, Livestock, Marine and Fisheries Service Office of Gunungsitoli City
5.	Masdinar Pole	Agriculture, Livestock, Marine and Fisheries Service Office of Gunungsitoli City
6.	Faiginaso Dedato	Agriculture, Livestock, Plantation dan Forestry of North Nias District
7.	Efori Zega	Agriculture, Livestock, Plantation dan Forestry of North Nias District
8.	Nerius Halawa	Health Office of North Nias District
9.	Rosana Poloan Amkeh	Health Office of North Nias District
10.	Atulo'o Gea	Education Office of North Nias District
11.	Sinufa Hia	Agriculture Service Office of West Nias
12.	Antonius Halawa	Agriculture Service Office of West Nias
13.	Rahmati Daeli	Health Office of West Nias
14.	Eliadi Daeli	Health Office of West Nias
15.	Ir. Norododo Sarumaha	Agriculture and Livestock Service Office of South Nias District
16.	Gooli Tommi Hulu	Agriculture and Livestock Service Office of South Nias District
17.	Yarwin Caniago	Health Office of South Nias District
18.	Setujui Maduwu	Health Office of South Nias District
19.	Sama'ako Waruutu	Agriculture Service Office of Nias District
20.	Yebusi Gulo	Agriculture Service Office of Nias District
21.	Kasinudin Mendrofa	Health Office of Nias District
22.	Atiria Lase	Health Office of Nias District

### Participants from Global Alliance for Rabies Control (GARC)

No.	NAME	INSTITUTION
1.	Kim Doyle	Global Alliance for Rabies Control
2.	Sarah Jayme	Global Alliance for Rabies Control
3.	Ning Villa	Global Alliance for Rabies Control

## Participants from the Center for Indonesian Veterinary Analytical Studies (CIVAS)

No.	NAME	INSTITUTION
1.	Drh. Tri Satya Putri Naipospos, MPhil, PhD	Center for Indonesian Veterinary Analytical Studies (CIVAS)
2.	Drh. M.D. Winda Widyastuti, MSi	Center for Indonesian Veterinary Analytical Studies (CIVAS)
3.	Drh. Ridvana Dwibawa	Center for Indonesian Veterinary Analytical Studies (CIVAS)

## VII. AGENDA

“Workshop on Rabies Eradication Program Plan in Nias Island”  
Gunungsitoli; Wednesday-Thursday, 5-6 February 2014

Time	Activities	Person
<b>1st Day: Wednesday, 5 February 2014</b>		
08.00-09.00	Registration	Committee
09.00-09.05	Opening	MC
09.05-09.15	Remarks by Dit. Keswan, Kementerian Pertanian	Direktur Kesehatan Hewan
09.15-09.25	Remarks by GARC	GARC Representatif
09.25-09.35	Remarks by Mayor of Gunungsitoli and official opening of workshop	Mayor of Gunungsitoli
09.35-09.50	<i>Coffee Break</i>	Committee
<b>Moderator (Representative of the Livestock and Animal Health Service Office of North Sumatra Province)</b>		
09.50-10.10	<b>Exposure 1:</b> Legislation and Rabies Eradication Strategy in Indonesia and Nias Island in Particular	Director of Animal Health
10.10-10.30	<b>Exposure 2:</b> Rabies Development and Control Program in Humans in Nias Island	Director of P2B2
10.30-10.50	Discussion	Moderator
10.50-11.10	<b>Exposure 3:</b> Results of Baseline Data Survey	Drh. Tri Satya Putri Naipospos, MPhil, PhD
11.10-11.30	Results of Baseline Data Survey Discussion	Moderator
11.30-12.00	<b>Exposure 4:</b> Rabies Eradication Program Plan in Nias Island <b>1. Eliminate rabies in vector species</b> <ul style="list-style-type: none"> <li>• Community mobilization (formation of cadres, training, logistics)</li> <li>• Evaluation and dog population estimation</li> <li>• Vaccination</li> <li>• Dog Population Control</li> <li>• Reporting and data management</li> </ul>	Livestock and Animal Health Service Office of North Sumatra Province

12.00-12.30	<b>Eliminate rabies in the vektor species</b> Discussion	Livestock and Animal Health Service Office of North Sumatra Province
12.30-13.30	Lunch	Committee
13.30-14.00	<b>Exposure 4:</b> Rabies Eradication Program Plan in Nias Island (Continuation) <b>2.</b> Strengthening surveillance and diagnostic systems <ul style="list-style-type: none"> <li>• Integrated Dog Bite Management</li> <li>• Collection and handling of animal specimens</li> <li>• Training quarantine</li> </ul>	Livestock and Animal Health Service Office of North Sumatra Province
14.00-14.30	Establishment of Diagnostic surveillance system Discussion	Livestock and Animal Health Service Office of North Sumatra Province

Time	Activities	Person
14.30-15.00	<b>Exposure 4:</b> Rabies Eradication Program Plan in Nias Island (Continuation) <b>3. Improve Rabies awareness</b> <ul style="list-style-type: none"> <li>• Communication Management</li> <li>• Integrate Rabies prevention education to primary school</li> </ul>	Livestock and Animal Health Service Office of North Sumatra Province
15.00-15.15	<i>Coffee Break</i>	Committee
15.15-15.45	<b>Improve Rabies awareness</b> Discussion	
15.45-16.00	Explanation of Day-2	Committee
18.30-21.00	Dinner	All Participants
Time	Activities	Person
<b>2nd Day: Thursday, 6 February 2014</b>		
09.00-09.20	Review day-1 "Rabies Eradication Program Plan in Nias Island"	Livestock and Animal Health Service Office of North Sumatra Province
09.20-10.00	Preparation of Rabies Eradication Program Implementation Strategy in Nias Island	Livestock and Animal Health Service Office of North Sumatra Province
10.15-10.30	<i>Coffee Break</i>	Committee
10.30-11.00	Continued discussion on Preparation of Rabies Eradication Program Implementation Strategy in Nias Island	Livestock and Animal Health Service Office of North Sumatra Province
11.00-11.45	The reading of Implementation Strategy for Rabies Eradication Program Plan in Nias Island	Livestock and Animal Health Service Office of North Sumatra Province
11.45-12.00	Closing	Livestock and Animal Health Service Office of North Sumatra Province
12.00	Lunch ( <i>Check Out Hotel</i> )	Committee

## VIII. RECOMMENDATION

After considering advices from the Director of Animal Health, presentations from the Directorate of Animal Health, Mayor Gunungsitoli, the Provincial Livestock and Animal Health Service Office of North Sumatra, the Provincial Health Office of North Sumatra and other sources, as well as discussion during the course of this meeting, the following points were formulated:

1. Indonesia still has nine (9) historically or liberated rabies-free regions. The status of the remaining 24 provinces is still rabies-infected; however within the provinces are rabies-free areas (islands or districts / cities). Historically free areas and / or districts / cities that are located within an island with a clear natural barrier have the potential to formally declare freedom from rabies.
2. The national and local governments are committed to support Sumatra rabies free 2015 and Indonesia rabies free 2020. To achieve these targets, eradication and control efforts need technical and non-technical support.
3. Rabies eradication strategies for Nias Island include regulation, vaccination, integrated dog bite case management, information, education and communication (IEC), population control, animal movement control and surveillance.
4. To improve rabies vaccination in Nias Island and achieve at least 70% vaccination coverage, intensive planning and coordination between national and local government is necessary so enough doses of vaccines are available when needed.
5. To implement control measures, including vaccination as discussed in point 4, accurate data on host animal populations in each region is needed. Baseline data should be regularly updated by authorized agencies.
6. To improve coordination across sectors on the island of Nias, rabies Coordination Teams (TIKOR) at the district and sub-district level will be reactivated and reinforced with decrees from local Regents and Mayor.
7. Local regulations / decrees from Regents / Mayor are required to govern integrated bite case management and host animal ownership, including owner responsibility to vaccinate animals. Sanctions can be applied if necessary.
8. To optimize the eradication program, vaccination will be carried out by trained vaccinators and rabies cadres selected by Service Offices authorized in animal husbandry and animal health functions. Cadres will be endorsed by Regent / Mayor decrees.
9. Each rabies cadre is responsible for recording and reporting rabies vaccination in animals in 4 (four) villages as assigned by coordinators appointed by Service Offices authorized in animal husbandry and animal health functions. Rabies vaccination is carried out by teams formed by coordinators.

10. Technical training on rabies vaccination for cadres will be conducted by Veterinarians (Master Trainer) from the Provincial Livestock and Animal Health Service Office of North Sumatra and coordinators in each district / city. Cadre training is scheduled to start in March 2014.
11. Vaccine distribution is adjusted to animal populations in each district / city through Service Offices authorized in animal husbandry and animal health functions. Vaccination cost per animal is Rp. 10,000 (ten thousand rupiahs).
12. Apart from the vaccination program, there will be post-vaccination surveillance and testing of brain samples from bite cases by the Disease Investigation Center in Medan, population control, and monitoring and evaluation.
13. Bite case victims will be handled at Rabies Centers. Center officers should be trained in bite case and lyssa case management. Each district / city should prepare human anti-rabies vaccines (ARV) as required.
14. The management of dog bite cases requires cross sector coordination. The human aspect will be managed by the Health Office system, while animals involved will be managed and observed by Service Offices authorized in animal husbandry and animal health functions. Observation of suspect animals will determine the need for further administration of anti-rabies vaccine (VAR) to bite victims.
15. Information, Education and Communication (IEC) programs will be carried out jointly by Service Offices authorized in animal husbandry and animal health functions, Education Offices, Health Offices, religious leaders, community leaders and other relevant organizations.
16. A Quarantine station on the island of Nias is necessary to control animal movement from other regions.



## Annex 1. Photos of the Activities

### Opening Remarks



### Exposure 1



### Exposure 2



Exposure 3



Exposure 4



Meeting



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