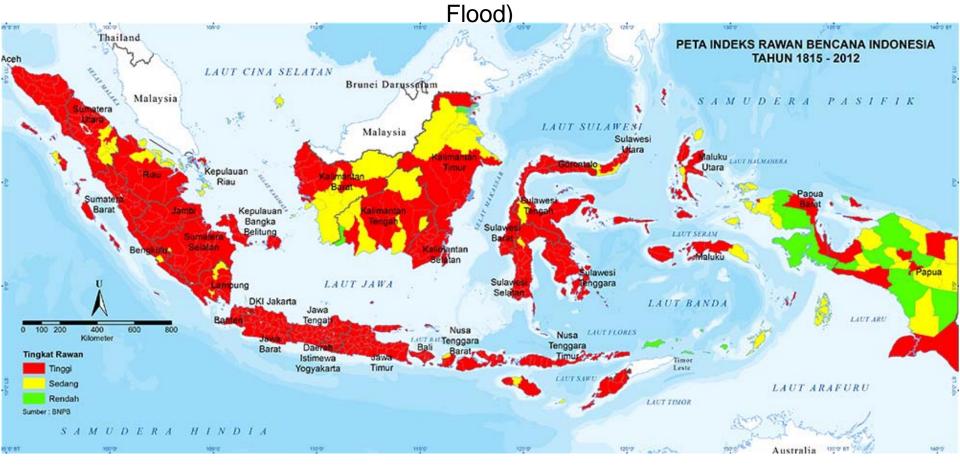




INTRODUCTION

Disaster Potential Threath

(Earthquake, Volcanic Eruption, Tsunami, Landslide, Forest and Land Fire,



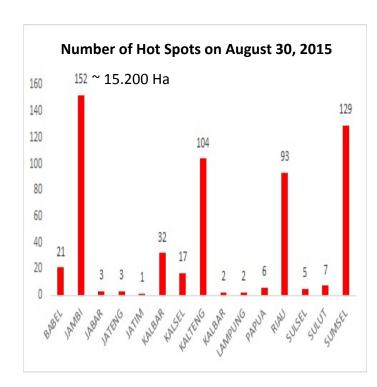
Recent Disaster:

- 15 Volcanos on "warning" status (November 15, 2015)
- Smoke Disaster due to Forest Fire (peatland on dry season and illegal land diversification)



IMPACT OF SMOKE DISASTER TO THE TRANSPORTATION ACTIVITY

Location Point of Smoke Disaster



Statistic of land and forest fire events are based on the hot spot data.

One hot spot represent 1.1 km x 1.1 km area or around 100 Ha with the surface temperature treshold between 45 - 47 °C



Figure: Hot spot condition on 30 August 2015 (source: analized from hotspot MODIS with confidence level > 80)

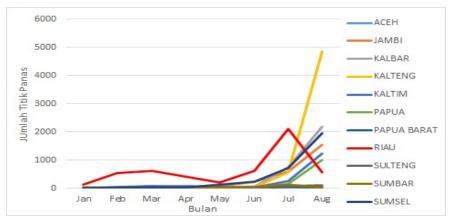


Figure: statistic of monthy hot spot until August 2015 (source: analyzed from Terra and Aqua satellite)

Impact of the Smoke Disaster on Transportation Activity



Motorcycle rider passing through street which smokey haze from forest fire in Pekanbaru, Riau Province on Monday (14/9). The smokey haze resulted in the low visibility limit no more than 100 m in the morning



Garuda Indonesia airlines reported that at least **449 of their scheduled flight are cancelled** for the period 3 to 20
September 2015. The number of flight which are cancelled as follow:



- Visibility is limited to 50 100 m in the morning
- Speed of the vessel must be reduced
- Longer voyage time of the vessel: from Muara to Sampit normally took 4 hours become 6 hours when smokey haze occurred which is increasing the fuel consumption
- Smaller boat operated on sea are unseen



DISASTER MANAGEMENT SYSTEM IN INDONESIA

History of Disaster Management System

The Agency for Assisting Families of War Victims (Badan Penolong Keluarga Korban Perang– BPKKP)

1966 -1967 The Advisory Board of Central Natural Disaster Management (Badan Pertimbangan Penanggulangan Bencana Alam Pusat— BP2BAP)

1967 -1979

Earthquake and Tsunami

in Aceh End of 2004

The National
Coordination Team for
Disaster Management
(Tim Koordinasi
Nasional
Penanggulangan
Bencana Alam—TKP2BA)

1979 -1990

The National
Coordination Agency for
Natural Disaster
Management (Badan
Kordinasi Nasional
Penanggulangan
Bencana Alam –
Bakornas PBA)

Act No. 24/2007 on Disaster Management

National Agency for Disaster Management

2007 present National Coordination Agency for Disaster Handling (Badan Koordinasi Nasional Penanganan Bencana – BakornasPB)

2005 -2007 National Coordination Agency for Disaster Management and Refugees Handling (Badan Koordinasi Nasional Penanggulangan Bencana dan Penanganan Pengungsi – BakornasPBP)

2000 -2005 1990 -2000

The National
Coordination Agency
for Disaster
Management (Badan
Koordinasi Nasional
Penanggulangan
Bencana – Bakornas
PB)

Presidential Regulation No. 83/2005 on National Coordination Agency for Disaster Handling Synergy on Disaster Management
between
Ministry of Transportation (MoT)
and
National Disaster Management Authority (BNPB)
No. PJ. 19, March 11, 2014

1. Pre Disaster Stage

- a. Disaster Prevention
- b. Mitigation and Disaster Preparedness

2. Emergency Response Stage

- a. Rapid Disaster Assessment
- b. Comply the basic needs in transportation field
- c. Restore the vital facilities and infrastructure of transportation

3. Post Disaster Stage

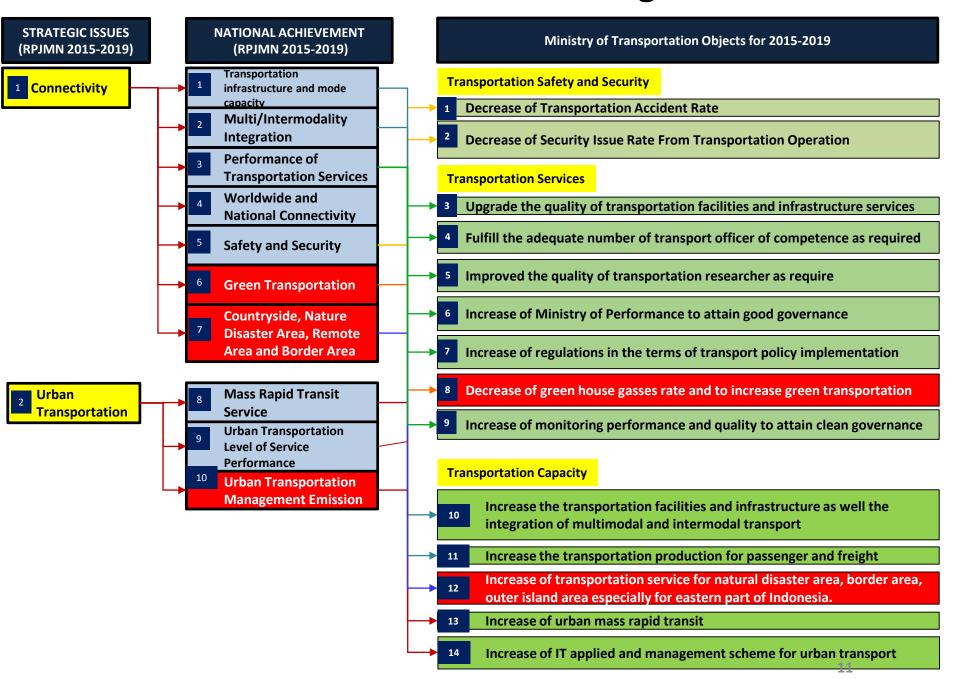
- a. Rehabilitation in The Transportation Field
- b. Reconstruction in Transportation Field
- **4. Monitoring and evaluate** as well exchange the data and information in order to upgrade the duties and function the parties





Mot Strategic Plan 2015 - 2019 On Transportation Services/ Infrastructures on Natural Disaster Area

National Achievement and MoT Strategic Plan 2015-2019

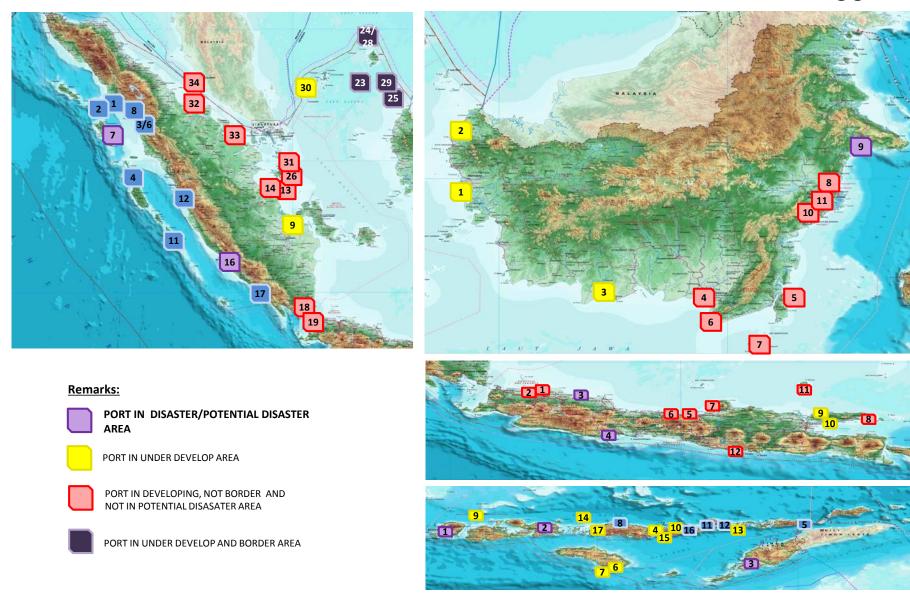




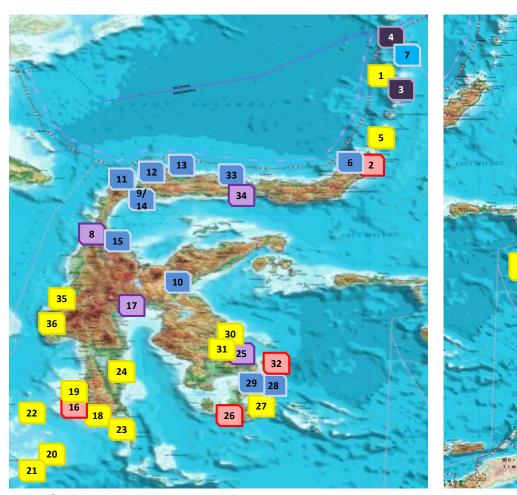
POLICY 1:

Transport Infrastructures and Facilities Development in Potential Disaster Area

Location of Port Facilities Development in Potential Disaster Area for 2015 – 2019 in Sumatera, Kalimantan, Java and Nusa Tenggara



Location of Port Facilities Development in Potential Disaster Area for 2015 - 2019 in Sulawesi and Maluku Islands





Remarks:



PORT IN UNDER DEVELOP AREA



PORT IN DEVELOPING, NOT BORDER AND NOT IN POTENTIAL DISASATER AREA



PORT IN UNDER DEVELOP AND BORDER AREA

Location of Port Facilities Development in Potential Disaster Area for 2015 - 2019 in Papua Island

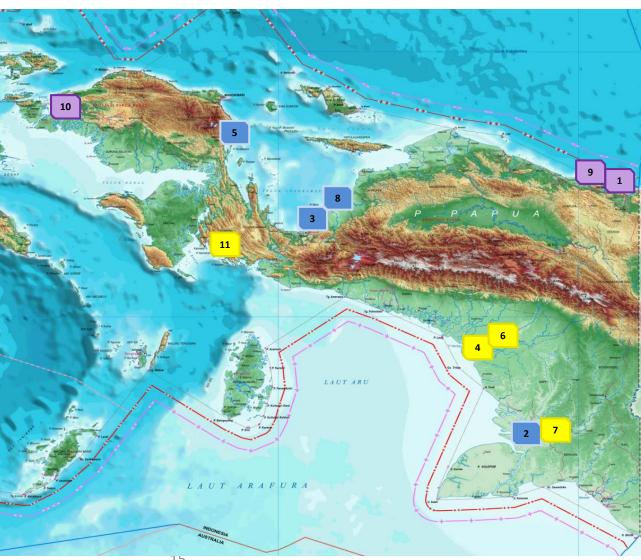
Remarks:

PORT IN DISASTER/POTENTIAL DISASTER **AREA**

PORT IN UNDER DEVELOP AREA

PORT IN DEVELOPING, NOT BORDER AND NOT IN POTENTIAL DISASATER AREA

PORT IN UNDER DEVELOP AND BORDER AREA



Location of Airport Facilities Development in Potential Disaster Area



Airport Emergency Facilities Services Improvement for 2015-2019







POLICY 2:

Urban Transport Development Toward A Safe; Climate Adaptive and for Building Resilient Society

Issues on Urban Transport

- Actions to reduce traffic accidents and air quality →
 Vulnerable road transport → Motorcyclist!
- Land Use and Transport not at Integrated Plan!
- Actions to reduce climate change, mitigations and adaptations
 what integrated transport policy options



Actions on Urban Transport Resilient

- Jakarta Metropolitan (JABODETABEK; consist of 9 Municipalities)
 → according to Presidential Regulation (no 103/2015) will be manage by One Body so called "Jabodetabek Transport Management Agency (JTMA)" → under MoT
- The Grand design will be issued by Presidential Regulation →
 Public transport modal share (60% in 2030); 80% road network
 covered by Public transport; Accident rate reduced to 50%;
 Implementing "Push_Pull" policy, ie TOD; TDM; ERP; Parking
 Policy; construct Pedestrian Pathways; Electric Motorcycle
- New policy for public transport priority; Constructing LRT (Elevated); MRT; BRT for Jabodetabek: High speed train(Jakarta_ Bandung):
- 2018 accomplish for certain network
- JTMA should operated next middle of December 2015

Impacts on Urban Transport Resilient

Impacts:

- Climate change impact to Transport → Reduced private car
 → Reduce energy → Reduced emission
- Vulnarable Road User, motorcyclist will be shifting to more resilient transport of public transport



Thank You