

SITREP 2  
(23 September 2019)

Haze and Land Fires

Sumatra and Kalimantan

# SITUATION REPORT #2

Human Initiative



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Haze and Land Fires, Sumatra and Kalimantan  
September 2019

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Type of Issue : Haze and Land Fires  
Location : Sumatra and Kalimantan  
Time : September 2019

### **I. Key Information**

1. According to the latest report on Sunday 22 September 2019, 1,769 hotspots were detected throughout the Sumatera Island. The hotspots mainly found in Jambi with 799 hotspots, followed by South Sumatra 619 hotspots, and Riau with 211 hotspots. Furthermore, there are 346 Hotspots detected in West Kalimantan, 281 hotspots in Central Kalimantan, and 105 hotspots in South Kalimantan.
2. Fire induced haze escalated spread to North Sumatra, West Sumatra and Aceh, and affected to Malaysia Peninsula , Sarawak Malaysia and Singapore
3. Land Fires are detected in Riau and Jambi city, 3 district was exposed are Tanjungjabung Timur, Tanjung Jabung Barat dan Muaro Jambi. In west Sumatera, there are 9 cities and regencies in West Sumatra, those are : Agam, Bukittinggi Sawahlunto, Padang Panjang, South Solok, Solok, Sijunjung and Dharmasraya district, m Aceh and Banda Aceh affected of haze escalated.
4. Air quality in these areas has been in an unhealthy to dangerous level
5. A number of Education facilities are closed in the affected Province, public is advised to avoid outdoor activities.
6. The Provincial Government of Central Kalimantan is announcing a state of emergency response to forest and land fires (karhutla) until 30 September 2019. Even the President of Indonesia has assigned an emergency alert atatus in Riau since 16 September 2019.

### **II. Situation Overview**

On 23 September 2019 Pekanbaru Meteorology, Climatology, and Geophysical Agency (BMKG) website reported that PM 10m device (air quality detector) showed the number of 472.31, which was indicated that air condition in the area is dangerous. According to the latest report on Sunday 22 September 2019, 1,769 hotspots were detected throughout the Sumatera Island. The hotspots mainly found in Jambi with 799 hotspots, followed by South Sumatra 619 hotspots, and Riau with 211 hotspots.

In the category of Sumatra Confidence Level is > 50%, for Riau confidence level is > 70%. As reported by BMKG Pekanbaru social media, the hotspot points are spreaded in several locations, including Bengkalis (6 points), Kuansing (4 points), Meranti (4 points), Pelalawan (21 points), Rohil (19 points), Inhu (44 points), Inhil (37 points), and Dumai (6 points).

From 10 Air Pollution Standar Index (ISPU) stations located in several regions in Riau, one station informed that the air status in Riau was very unhealthy. The other nine showed that the air quality in Riau is at dangerous level. Two air quality detection devices in Pekanbaru showed the numbers of 305 and 402 Psi (pollutant standard index), while the ISPU devices in Siak

Regency showed the numbers of 347, 500, and 464 Psi. In West Sumatra, Air Pollution Index reached the worst record this year from the quality standard limit of 341 ug/m<sup>3</sup>. Whereas in the Palangkaraya region the PM 2.5 concentration reached 1200 micrograms / m<sup>3</sup> or equivalent to smoking 54 cigarettes.

Most of the regional leaders instructed their regions to dismiss education activities and appealed the community to avoid outdoor activities. To this afternoon it was observed that some areas were poured by rain, such as Pekanbaru, Jambi, Kalimantan but the haze was still visible after the rain stopped.

In respond to the forest fires emergency, apart of conducting water bombing, BNPB (National Disaster Management Agency), the Meteorology, Climatology and Geophysics Agency (BMKG), Technological Assessment and Application Agency (BPPT) has coordinated the operation of weather modification technology (TMC) to create artificial rain by applied cloud seeding technologys to artificially tweak rain, but this modification technique is dependent on the presence of clouds.

In order to respond to the drought and forest fires engulfed Indonesia, Human Initiative deployed a team joining with other elements to extinguish the fires. In addition, Human Initiative has established Haze Alert Post in Pekanbaru, carrying out medical services , and distributed masks to the affected communities.

### **III. Human Initiative Response**

- A. Deploying 15 people emergency team to assist firefighting in Muaro Bungo, Jambi.
- B. Distributed more than 10,000 masks, in Pekanbaru, Pelalawan district, Dumai City, Rokan Hilir District, Kampar district, Muaro Jambi, Bukittinggi, Kalimantan.
- C. Medical Services in Langgam district, Pelalawan district, Kubu district, Pekanbaru, Tapung Kampar subdistrict for more than 1.000 beneficiaries since 21 Agustus 2019.
- D. Establishing Human Initiative's Haze Free Space (Air purified room for affected communities).

### **IV. Urgent needs**

- A. Medicines and vitamins
- B. Eye drops
- C. N95 mask
- D. Air Conditioner & Purifier
- E. Oxygan
- F. Set of Oxygen
- G. Nebulizer
- H. Foods / drinks contains high antioxidants

**V. Action Plan**

- A. Human initiative will coordinate with various stakeholders, including Provincial BPBD (Regional Disaster Agency), Provincial Health Office, local government, and Puskesmas (Village based health centre) in the affected location.
- B. Join the task force team to handle and extinguish forest fire.
- C. Deploying medical teams, volunteers and providing medicines in the areas affected by forest fires.
- D. Distributing N95 masks and portable oxygen in the form of oxygan for people in need.
- E. Establishing Haze Free Space, providing air-conditioned rooms facility, air purifiers (Purifier), medical services, medicines, oxygenation (nebulizer and oxygen), and distributing N95 mask to the affected communities.
- F. Establishing a haze-free classroom for the children.

**VI. Haze Free Space Location**

Jl. Paus Ujung no. 18, kel. Tangkerang Barat, kec. Marpoyan Damai, Pekanbaru, Riau.

**IV. PIC**

Disaster Risk Management Human Initiative: 0813-1808-3007



**V. Attachment**



The Governor of Riau was visiting Human Initiative haze free space



Human Initiative initiating haze free space for affected people



Haze free space was used by communities to check their health and for temporary evacuation to avoid haze exposure



Distributing masks to the people in West Sumatera



Distributing masks to the people in Jambi



Emergency team assisting firefighting in Muaro Bungo, Jambi



## Melawan Asap di Wilayah Indonesia



### Respon Terkini

- Berkoordinasi dengan pemerintah setempat & relawan lokal
- Distribusi Masker N95 & Oxycan
- Melaksanakan pemeriksaan kesehatan dan pemberian obat-obatan

### Kebutuhan Mendesak



### Rencana Aksi

- Human Initiative berkoordinasi dengan pihak BPBD dan pemerintah setempat.
- Mengirimkan tim respon aksi tanggap bencana asap dan tim medis serta obat-obatan.
- Menyalurkan alat bantu napas, seperti oxycan dan masker N95
- Membuka Pos Kesehatan (pemeriksaan kesehatan dan pengobatan)
- Membuka layanan Ruang Bebas Asap



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**Data:**  
**22 September 2019**  
Human Initiative