SUSIANNA NATALI (SUpply chain buSIness continuity plAN during coroNA for NATionAl LogIstic)

#EUvsVirus
Pan-European Hackathon

European Commission

Challenge Track

“logistics and value chains develop systems that allow users to better adapt their stock management and logistics to quickly adapt to changing demand and circumstances.”

Data - Map Comparison

Indonesia

Europe

*Source : https://wego.here.com

Data – Indonesia Government Activities

January 2020 :
- Jakarta regional health council reported to Indonesia Health Ministry on increase. (https://kumparan.com/kumparansains/ini-bukti-data-kasus-corona-masuk-indonesia-sejak-akhir-januari-2020-1tGgkxIsKap)

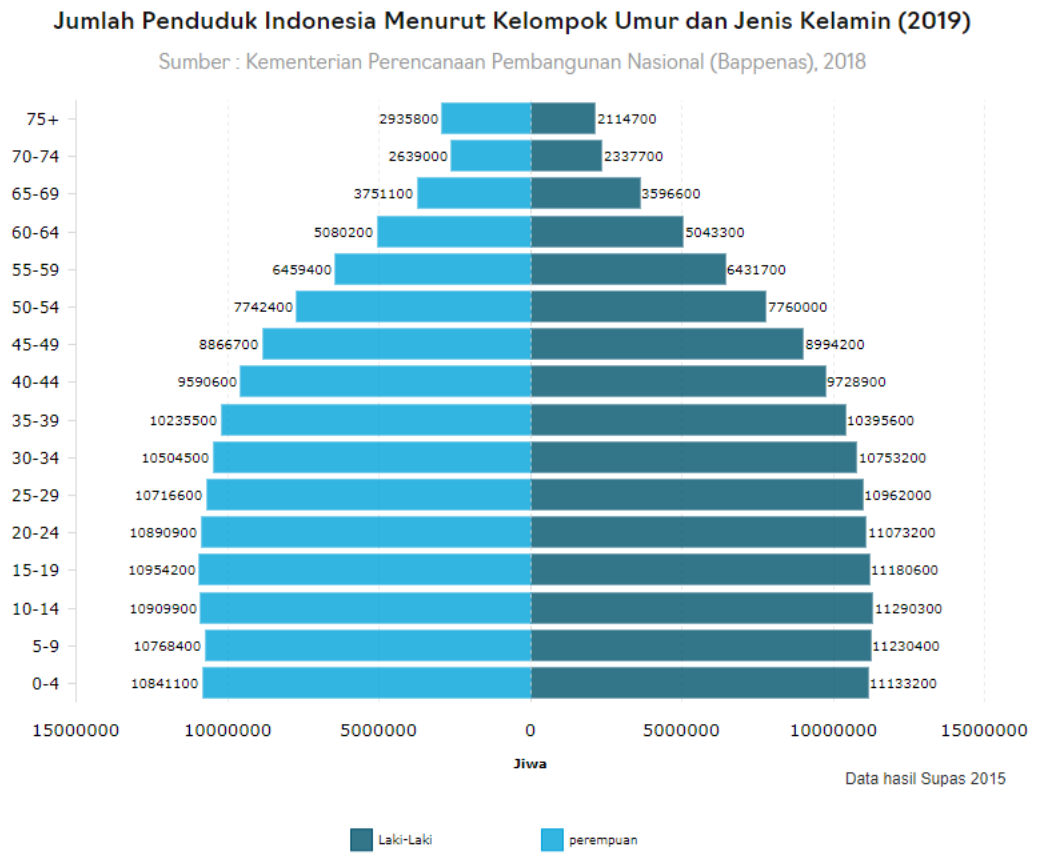
February 2020 :
- Indonesia minister of Health, Agus Terawan: Indonesian are virus proof through pray and good body immunity. (https://www.liputan6.com/news/read/4179878/menkes-ungkap-alasan-orang-indonesia-kebal-virus-corona)

March 2020 :
- Indonesia Minister of Transportation, Budhi Karya who underestimate COVID19 was tested positive. (https://jogja.suara.com/read/2020/03/14/212836/positif-terjangkit-menhub-budi-karya-pernah-berkelakar-soal-kebal-corona) (https://palpos.id/2020/03/15/mengingat-guyonan-menhub-budi-karya-kita-kebal-corona-karena-makan-nasi-kucing/)

April 2020 :
- Jakarta Governor, Mr. Anies Baswedan asked for transportation lockdown but being denied by Minister of Transportation temporary replacement, Mr. Luhut Panjaitan. (https://www.suara.com/news/2020/04/09/225205/lobi-anies-ditolak-luhut-ojol-tak-boleh-bawa-penumpang-saat-psbb) (https://www.wartaekonomi.co.id/read278846/ketika-niat-anies-tutup-operasional-bus-terbentur-restu-luhut)
- Many regions/provinces in Indonesia lack of Safety Protection Instrument for Health personel (https://www.cnnindonesia.com/nasional/20200408095145-20-491503/darurat-corona-tito-akui-masih-ada-daerah-kekurangan-apd) (https://radarbali.jawapos.com/read/2020/04/08/187884/kekurangan-apd-petugas-puskesmas-masih-banyak-gunakan-jas-hujan)
- Indonesian President asked Ministry of Health to open COVID19 information to public (https://news.detik.com/berita/d-4977448/yang-beda-dari-update-corona-usai-jokowi-minta-buka-data) (https://www.beritasatu.com/kesehatan/619951-jokowi-buka-data-covid19-biar-semua-bisa-akses)

Data – Indonesia Citizen by 2019

Jumlah Penduduk Indonesia 2019 Mencapai 267 Juta Jiwa



*Indonesia data as per December 2018
**Source : https://databoks.katadata.co.id/datapublish/2019/01/04/jumlah-penduduk-indonesia-2019-mencapai-267-juta-jiwa

Data – Corona Statistic Index

Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/ 1M pop	Deaths/ 1M pop	Total Tests	Tests/ 1M pop
UAE	10,349	+536	76	+5	1,978	8,295	1	1,046	8	1,022,326	103,365
Qatar	10,287	+929	10		1,012	9,265	72	3,571	3	82,289	28,562
Indonesia	8,882	+275	743	+23	1,107	7,032		32	3	72,099	264
Philippines	7,579	+285	501	+7	862	6,216	1	69	5	84,789	774

*Indonesia data as per 26.04.2020
**Source : https://www.worldometers.info/coronavirus/#countries

Problem Identification

- Indonesia is an Archipelago Country, food distribution will face problem on transportation mode.
- Indonesia Government underestimate and consider Corona as a simple case.
- Lack of information shared to public in Indonesia by Central Government.
- Rules clash between Central Government and Regional Government create public confusion and slow anticipation on Corona Pandemic.
- Lack of test per Million citizen.
- Lack on Safety Protection Instrument for Health Personnel.
- There are +180 mio citizen are on the edge of food scarcity.

Proposed Solutions

“Food commodities distribution monitoring by the Government on each country region.”

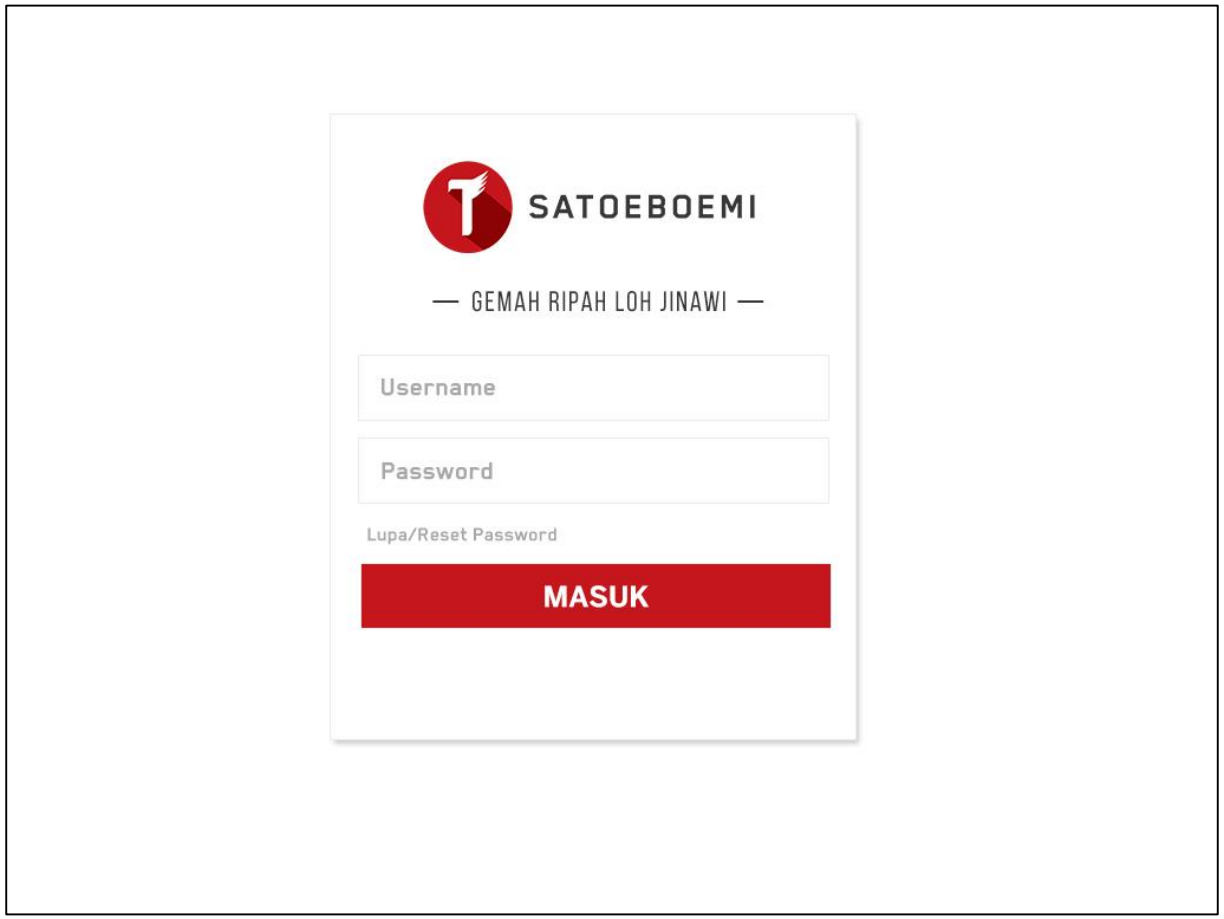
How Does It Works?

Implementation

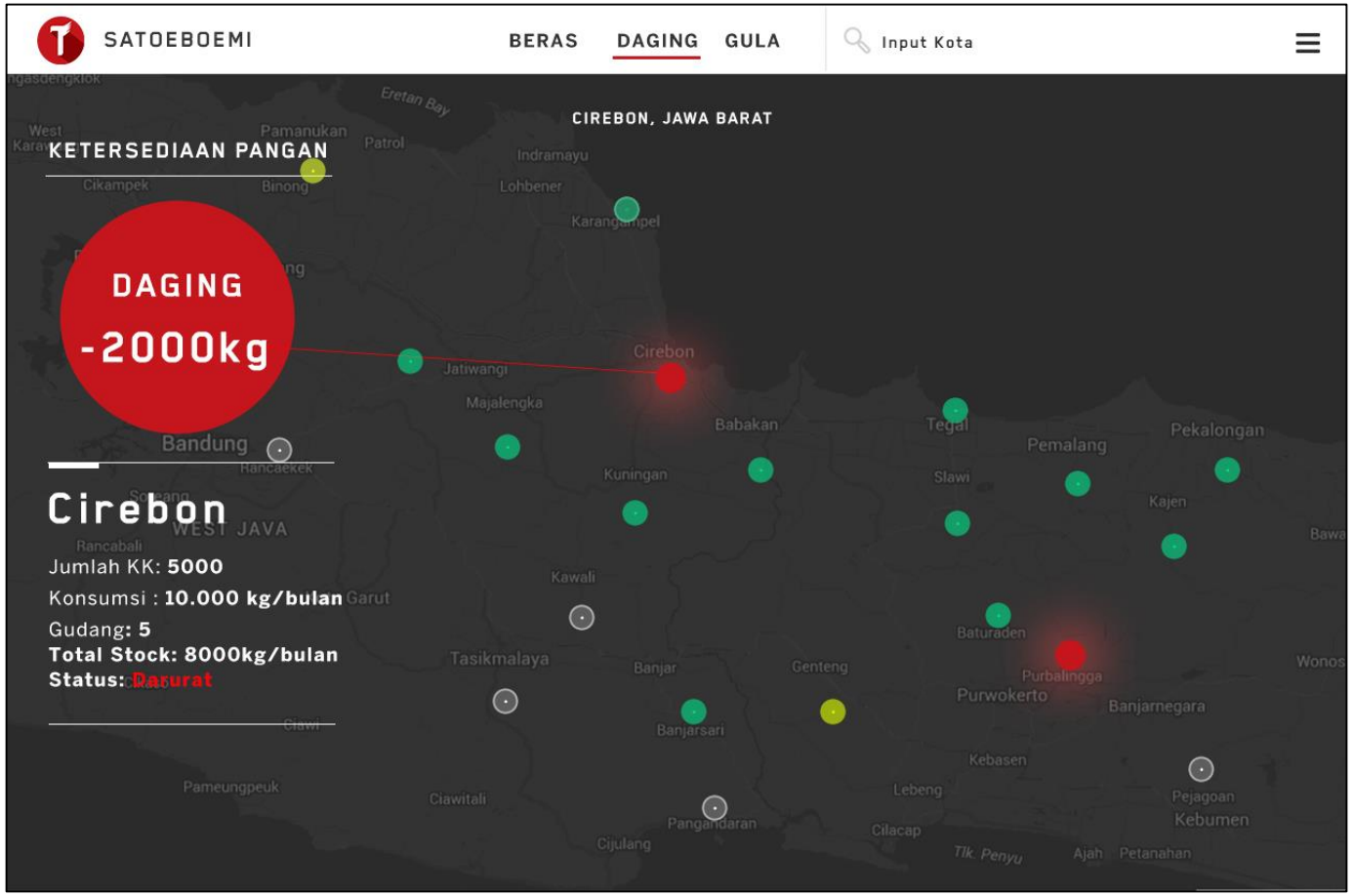
- Food/commodity availability– terminals for web based app
- Vehicle tracking – IoT
- Suspicious activities reporting – SMS collaboration

Mock-Up – Landing Page

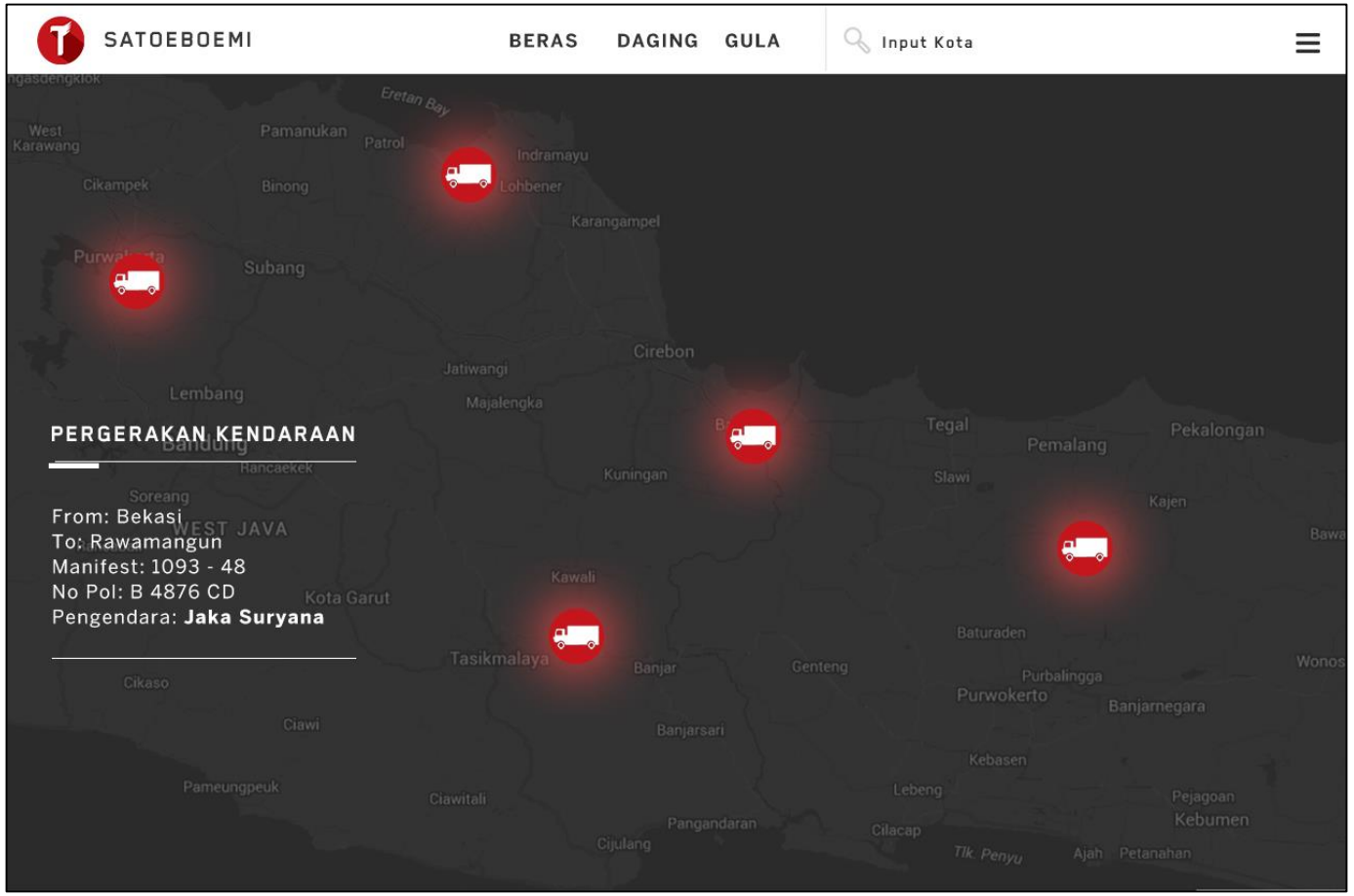
Mock-Up - Login



Mock-Up – Warehouse Alert



Mock-Up – Vehicle Movement



Repo

http://github.com/aryonp/SUSIANNA

Questions?

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