

Multimodal Transport Readiness to Face New Normal

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11 June 2020



COVID-19 IMPACT



**HOW KAL
FACING NEW
NORMAL**



NEW NORMAL

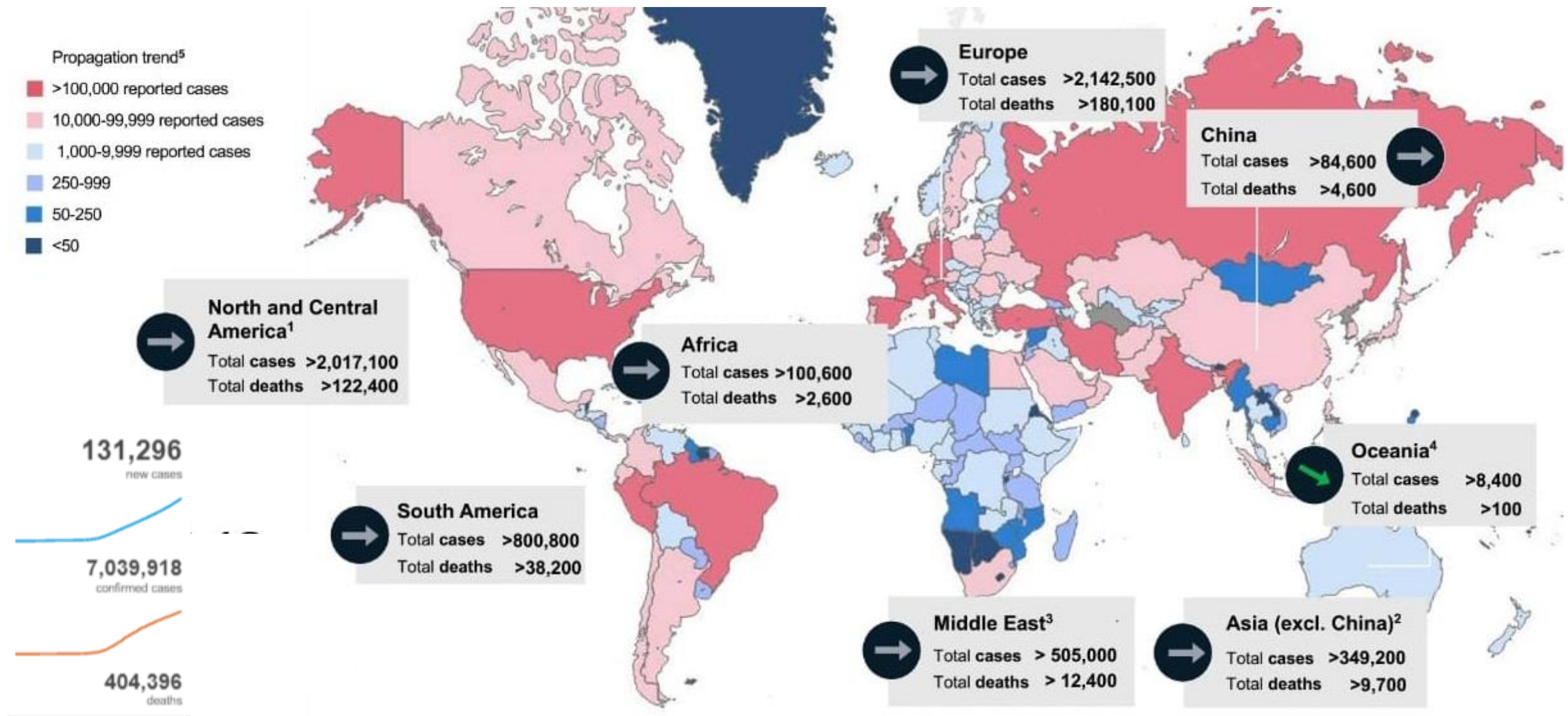


ABOUT KAL



COVID-19 IMPACT -- GLOBAL STATUS

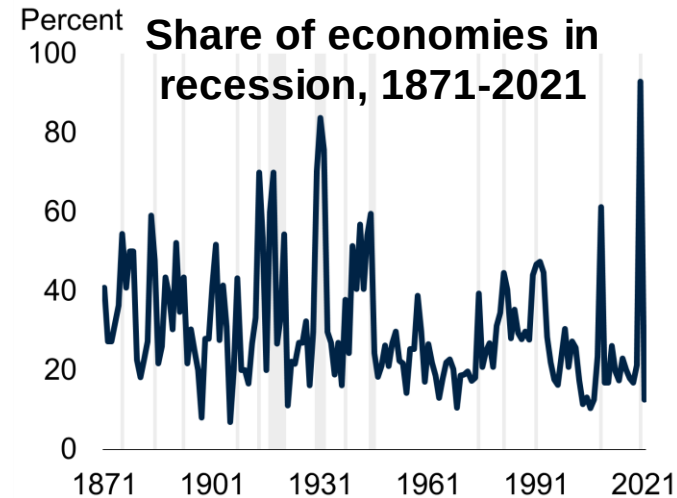
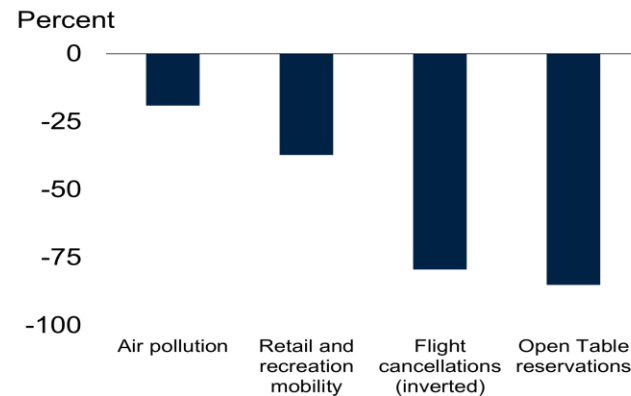
"Covid-19 Status as of 31 May 2020"



COVID-19 IMPACT -- GLOBAL STATUS

"Global impact in many sectors"

Change in global activity indicators in 2020

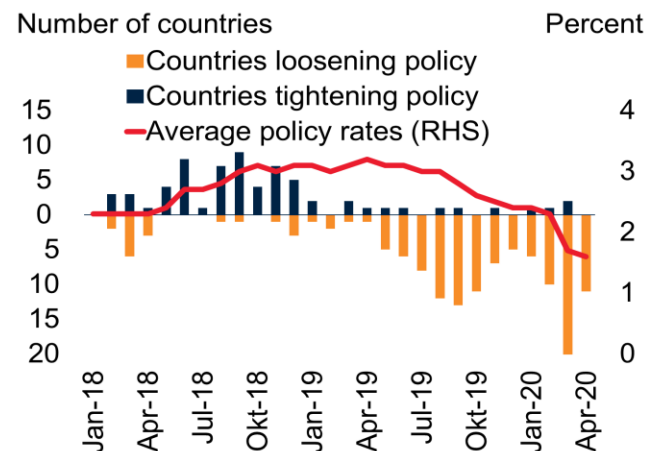


World Oil Price (US\$/Barrel)

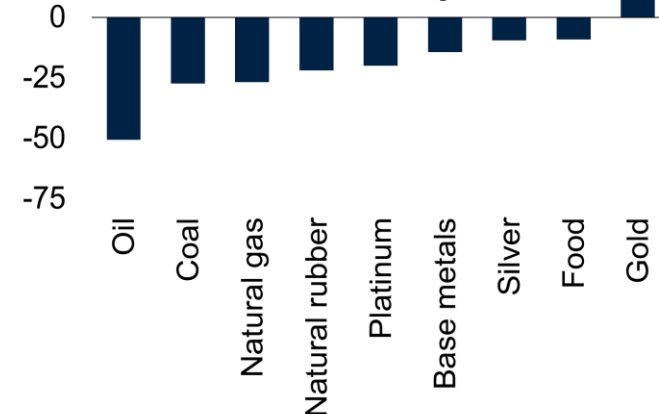


Chart: Hidayat Setiaji • Source: Refinitiv

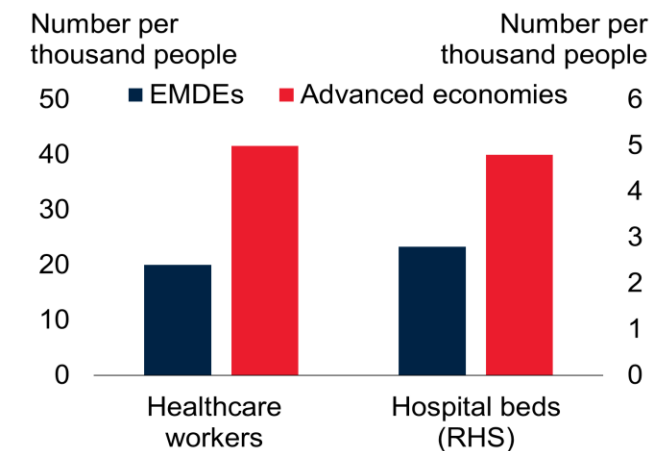
Global policy rates



Commodity price changes since January 2020

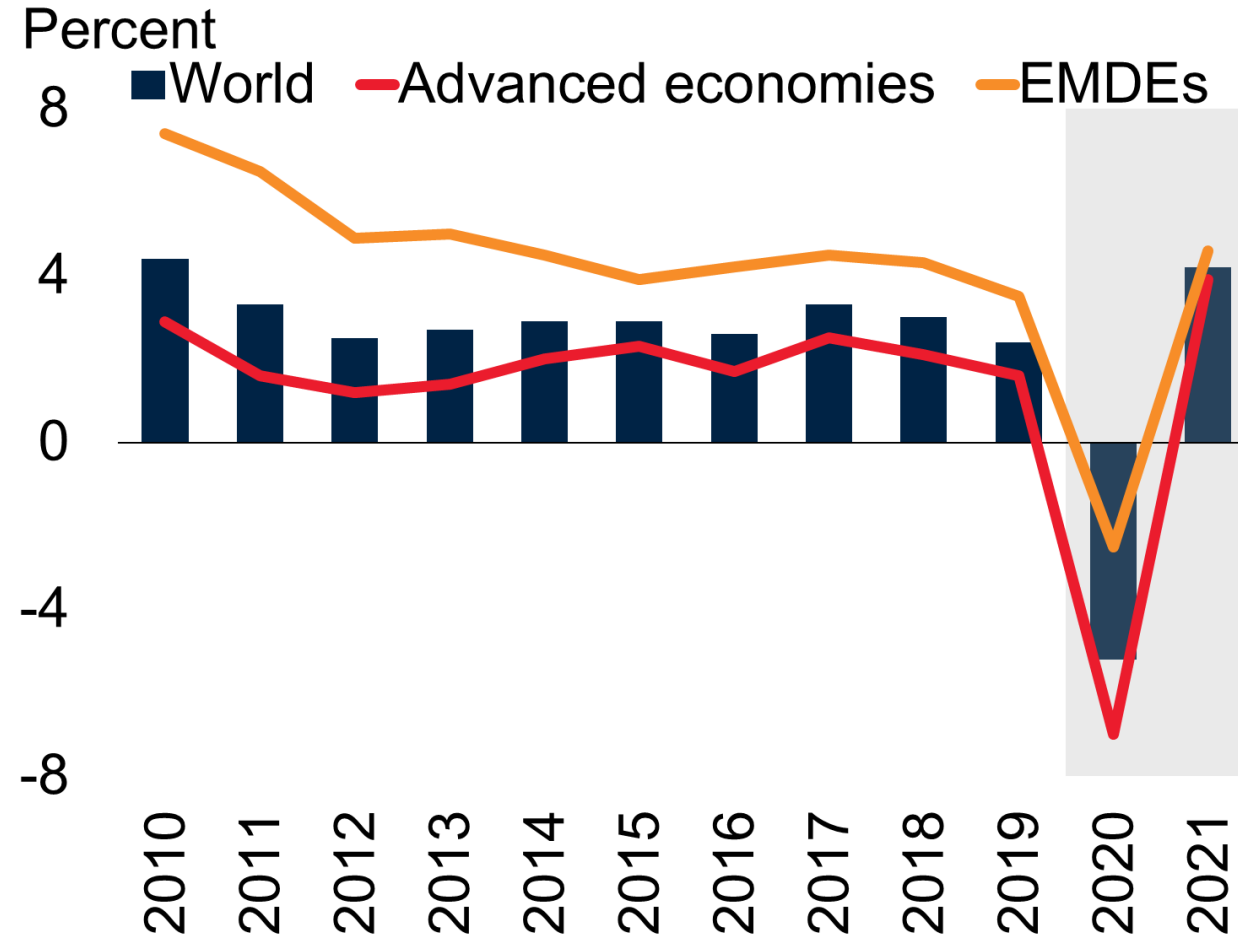


Health indicators in 2017

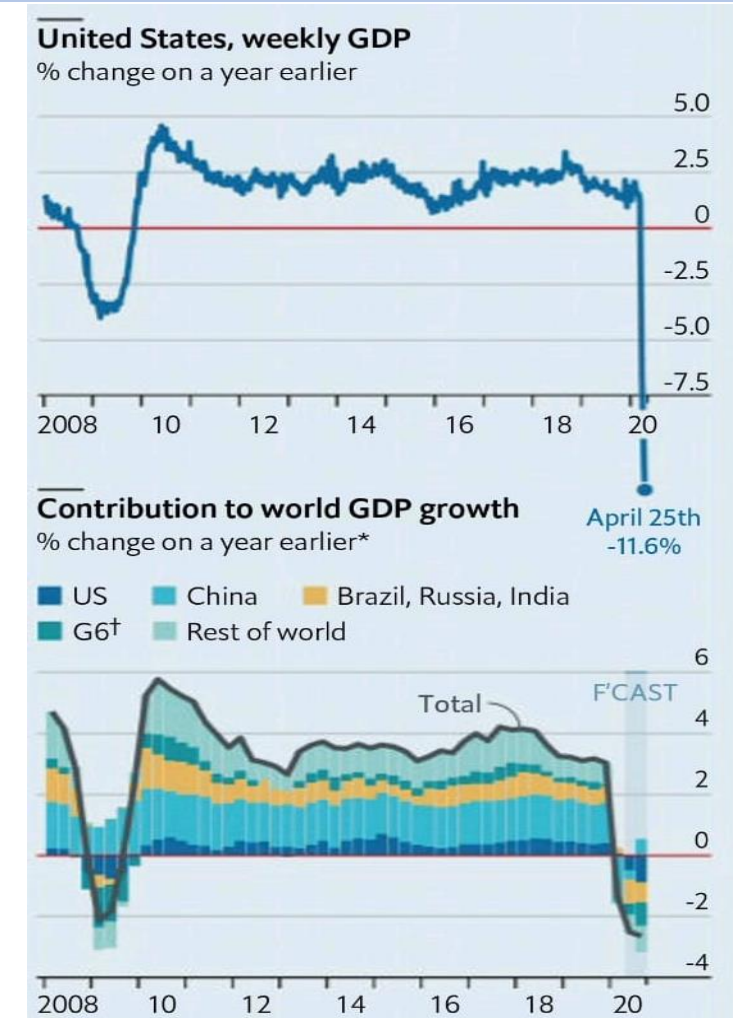


COVID-19 IMPACT -- GLOBAL STATUS

"in Economy Field estimated to have decreased"



Sumber : World Bank, 2 June 2020



Sumber : The Economist, 30 May 2020

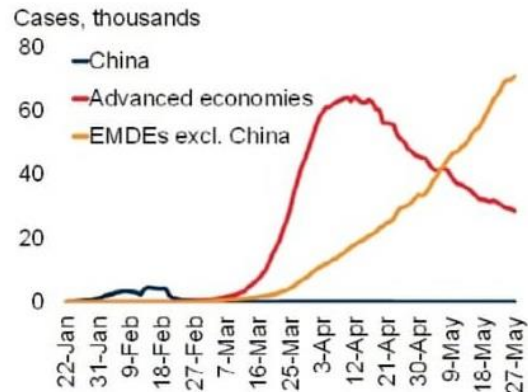
COVID-19 IMPACT -- GLOBAL STATUS

"Pandemic Phase in many countries, increment of covid-19 case"

As of May 31, 2020

The disease progression appears to be following 4 phases across geographies

A. Daily new COVID-19 cases



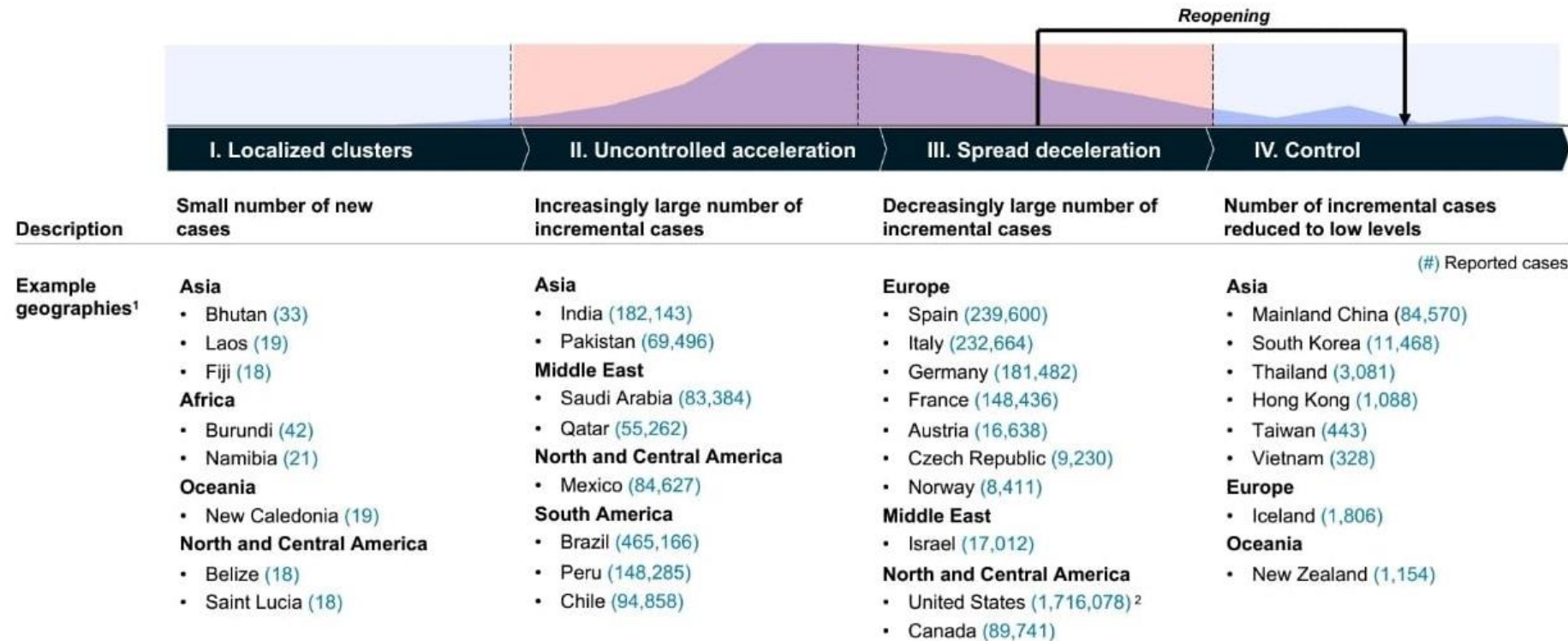
Sumber : World Bank, 4 June 2020

To 6am GMT May 28th 2020

Weekly confirmed deaths by area, '000



Sumber : The Economist, 30 May 2020



Sumber : Mc Kinsey, 2 June 2020

Shape of the COVID-19 impact: the view from global executives

"Thinking globally, please rank the following scenarios in order of how likely you think they are to occur over the course of the next year"; % of total respondents¹

Virus
spread
and public
health
response

Rapid and effective
control
of virus spread

Effective response,
but (regional) virus
resurgence

Broad failure of
public health
interventions

Most likely scenario, World

B1 15 → 13%



A3 16 → 17%



April → May surveys

A4 6 → 4%



B2 11 → 14%



A1 31 → 36%



A2 6 → 5%



B3 3 → 2%



B4 9 → 7%



B5 2 → 1%



Ineffective
interventions

Partially effective
interventions

Highly effective
interventions

Knock-on effects and economic policy response

1. Monthly surveys: April 2–April 10, 2020, N=2,079; May 4–May 8, 2020, N=2,452

Scenarios B2, A1, A2, and A3 have varying profiles of effectiveness of public health and economic interventions



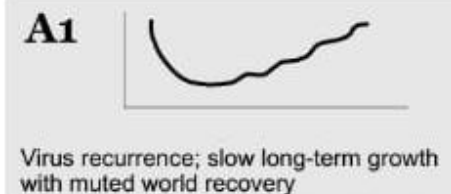
Ineffective economic interventions, effective public health response

Slow long-term growth insufficient to deliver full recovery of world output to 2019Q4 levels until 2026

Economic policy is ineffective spurring self-reinforcing recession dynamics and meager growth results that cause long-term structural damage to the economy

Long-term capacity of the economy to deliver output is reduced as

- Widespread business closures lead to a reduction in the physical capital stock
- Employment levels and participation rates drop as individuals drop out of the labor force
- Productivity growth to near-zero as investment in innovation and human and physical capital stagnates



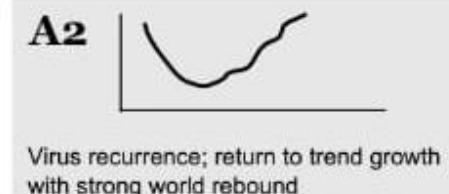
Partially effective economic interventions, effective public health response

Slow long-term growth with muted world recovery returning output to 2019Q4 levels in late 2022

Economic policy responses are effective in stopping the rapid decline of the economy in 2020, but are insufficient to raise confidence and restart growth

Insufficient government stimulus in the face of recurrent regional lockdowns result in

- Significant business closures and lack of confidence lead businesses to pull back on investment and fragmentation of supply chains
- Widespread job losses and continued weakness in consumer spending as household focus on necessities
- Steep drop in tourism, and other service related industries persist



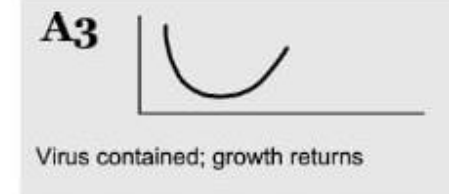
Highly effective economic interventions, effective public health response

Return to trend growth with strong world rebound returning output to 2019Q4 levels in late 2021

Economic policy responses deliver robust relief packages that not-only back-stop activity in 2020 but also deliver sufficient stimulus to raise confidence and drive growth in 2021

Fiscal and monetary authorities take measures to boost effectiveness and speed of policy impact

- Fewer bankruptcies and layoffs support stronger business investment and release pent-up demand driving more spending
- Increase in business and consumer confidence is boosted by more effective public health responses that successfully contain the regional virus occurrences and fewer periodic restrictions



Partially effective economic interventions, rapid and effective control of virus spread

Return to trend growth with world rebound returning output to 2019Q4 levels in late 2020

Economic policy responses are effective in stopping the rapid decline of the economy in 2020 and return the economy to pre-crisis levels after the virus is quickly contained in Q2

Fiscal and monetary authorities mitigate economic damage with only some delays in transmission

- Fewer bankruptcies and layoffs support stronger business investment and release pent-up demand driving more spending
- Business and consumer confidence is quickly restored by effective public health responses

COVID-19 IMPACT -- GLOBAL STATUS

“Covid Stimulus to State Spending”



Jerman US\$ 810 Milyar:
Perusahaan kecil menerima BLT
Euro 15.000 utk 3 bulan
Perusahaan besar Euro 400 M utk
Jaminan Kredit

China US\$ 424 Milyar:
Bantuan utk pengusaha 3 T Yuan

New Zealand US\$ 120 Milyar:
BLT utk pekerja US\$ 6 M

Malaysia US 62.9 Milyar:
BLT utk pengusaha dan pekerja

Singapore US\$ 44.4 Milyar:
BLT utk pengusaha dan pekerja

Thailand US\$ 43.3 Milyar:
Moratorium kredit 6 bulan
BLT utk pekerja

COVID-19 IMPACT -- GLOBAL STATUS

“Sector Potential”

DCode EFC Analysis



COVID-19 IMPACT -- INDONESIA STATUS

"Covid-19 Status as of 6 June 2020"



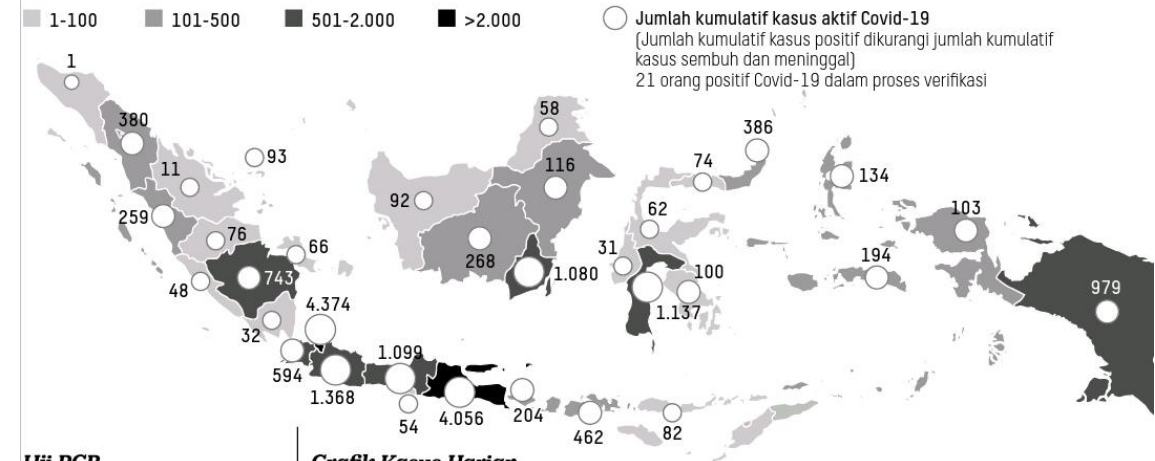
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YOUR LOGISTICS PARTNER

Covid-19 Case in Many Countries

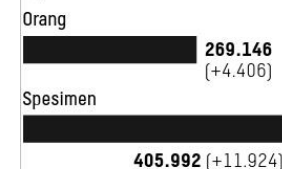
Country	Case	Death	Percent Test
USA	2,034,502	113,568	6.62%
Brazil	719,449	37,840	0.47%
UK	289,140	40,883	8.65%
UAE	39,904	283	25.67%
Singapura	38,514	25	6.99%
Indonesia	33,076	1,923	0.16%
Phillipine	22,992	1,017	0.41%
Malaysia	8,336	117	1.91%
Thailand	3,121	58	0.67%

Sumber : worldometer.com, 9 June 2020

Frekuensi Daerah Jumlah Kumulatif Kasus Aktif Covid-19



Uji PCR



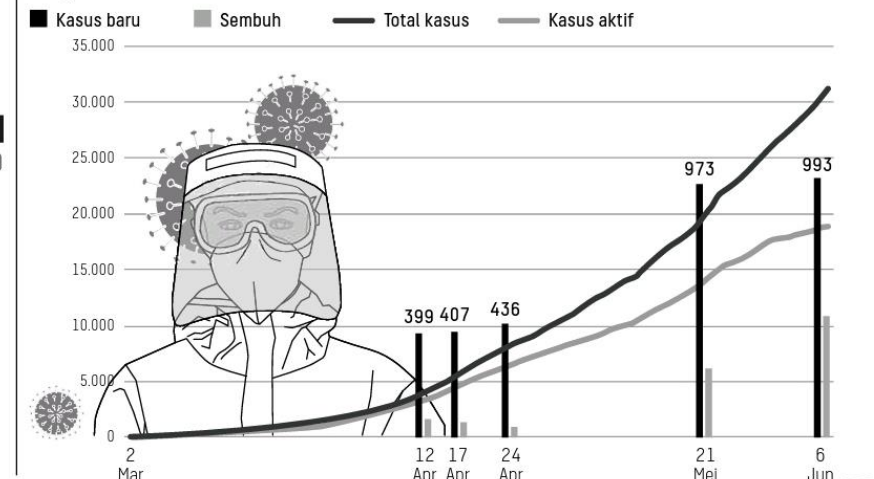
Jumlah Terpapar Covid-19



Tersebar di 34 provinsi, 422 kab/kota

Sumber: Kementerian Kesehatan, Gugus Tugas Covid-19; Per 7 Juni 2020 pukul 12.00 WIB

Grafik Kasus Harian



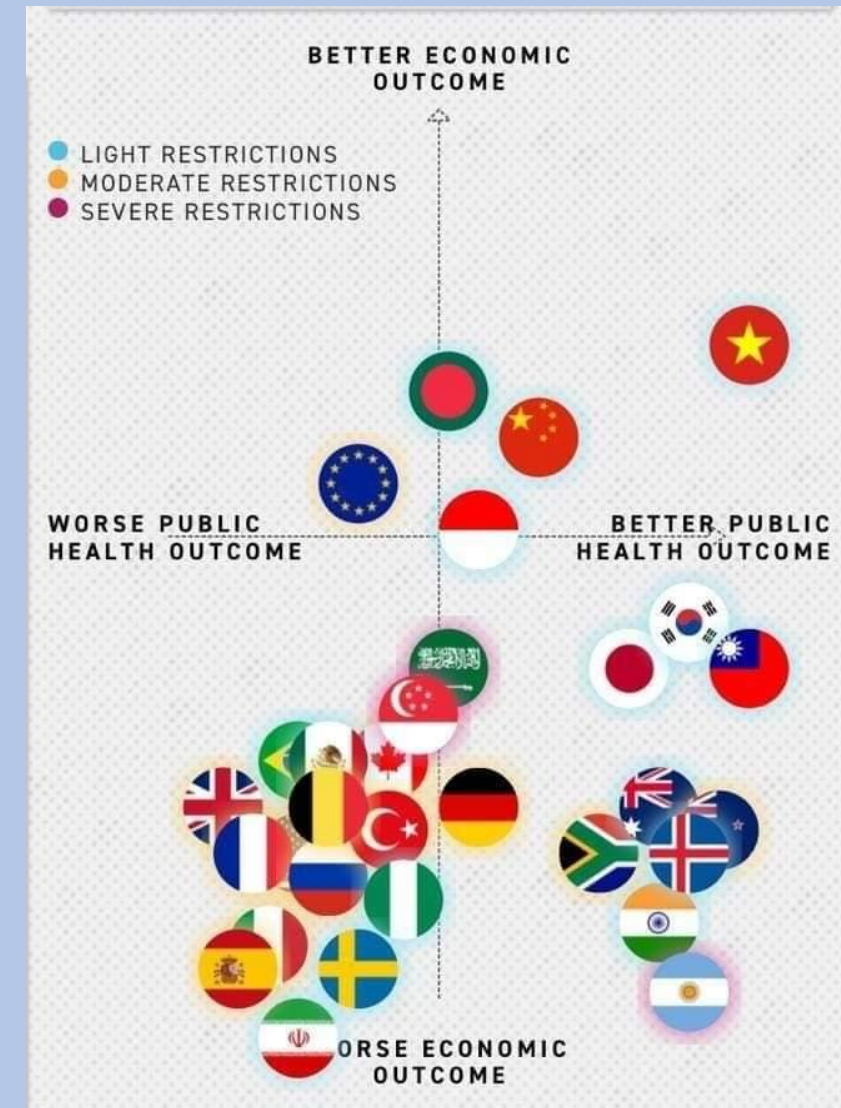
Sumber : Kompas Cetak, 5 June 2020

COVID-19 IMPACT -- INDONESIA STATUS

"in Economy Field, there is no significant effect occurred"



KRAKATAU ARGO LOGISTICS
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	2017	2018	2019e	2020f	2021f
World	3.3	3.0	2.4	-5.2	4.2
Advanced economies	2.5	2.1	1.6	-7.0	3.9
United States	2.4	2.9	2.3	-6.1	4.0
Euro Area	2.5	1.9	1.2	-9.1	4.5
Japan	2.2	0.3	0.7	-6.1	2.5
Emerging market and developing economies	4.5	4.3	3.5	-2.5	4.6
Commodity-exporting EMDEs	2.2	2.1	1.5	-4.8	3.1
Other EMDEs	6.1	5.7	4.8	-1.1	5.5
Other EMDEs excluding China	5.4	4.8	3.2	-3.6	3.6
East Asia and Pacific	6.5	6.3	5.9	0.5	6.6
China	6.8	6.6	6.1	1.0	6.9
Indonesia	5.1	5.2	5.0	0.0	4.8
Thailand	4.1	4.2	2.4	-5.0	4.1
Europe and Central Asia	4.1	3.3	2.2	-4.7	3.6
Russia	1.8	2.5	1.3	-6.0	2.7
Turkey	7.5	2.8	0.9	-3.8	5.0
Poland	4.9	5.3	4.1	-4.2	2.8
South Asia	6.5	6.5	4.7	-2.7	2.8
India ³	7.0	6.1	4.2	-3.2	3.1
Pakistan ²	5.2	5.5	1.9	-2.6	-0.2
Bangladesh ²	7.3	7.9	8.2	1.6	1.0

Sumber : World Bank, 4 June 2020

Pergerakan Nilai Tukar Rupiah vs Mata Uang Global

Pairing	4-Jun-20	4-May-20	4-Mar-20	31-Dec-19	1 Month (%)	3 Month (%)	Ytd (%)
USD/IDR	14.095	15.100	14.113	13.866	-6,65	-0,13	1,65
JPY/IDR	129,71	141,80	131,37	127,72	-8,53	-1,26	1,56
EUR/IDR	15.834	16.526	15.756	15.553	-4,19	0,49	1,81
GBP/IDR	17.702	18.773	18.051	18.222	-5,71	-1,93	-2,85
SGD/IDR	10.092	10.689	10.191	10.308	-5,58	-0,97	-2,09

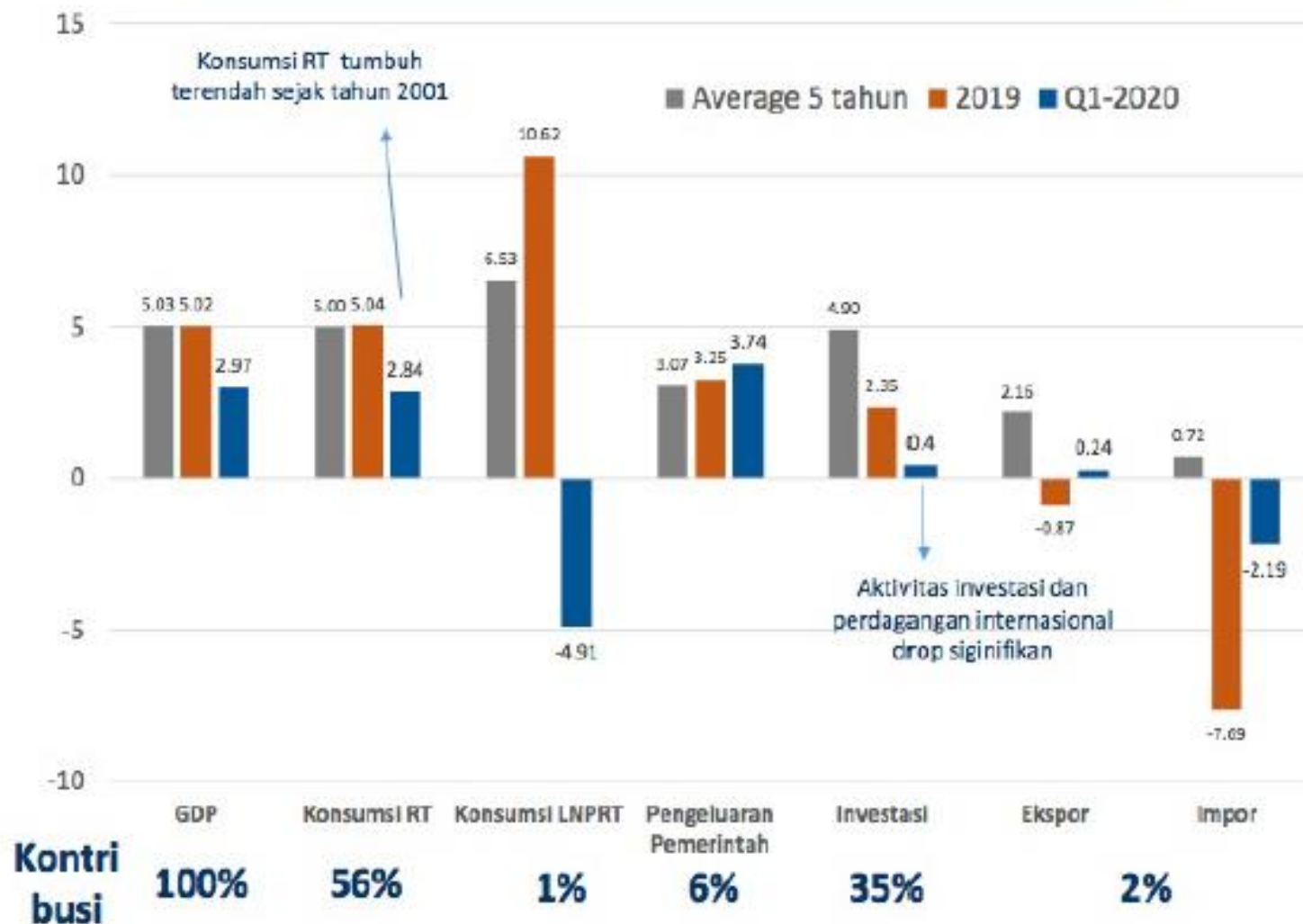
Sumber: Bloomberg

	Gross domestic product				Consumer prices			Unemployment rate	
	% change on year ago				% change on year ago			rate	
	latest		quarter*	2020†	latest		2020†	%	
United States	0.3	Q1	-4.8	-3.8	0.3	Apr	0.6	14.7	Apr
China	-6.8	Q1	-33.8	1.0	3.3	Apr	4.6	3.7	Q1 [§]
Japan	-2.0	Q1	-3.4	-5.2	0.1	Apr	-0.1	2.5	Mar
Britain	-1.6	Q1	-7.7	-8.7	0.8	Apr	1.0	3.9	Feb ^{††}
Canada	1.5	Q4	0.3	-4.3	-0.2	Apr	0.7	13.0	Apr
Euro area	-3.2	Q1	-14.2	-7.5	0.3	Apr	0.3	7.4	Mar
Austria	1.0	Q4	1.1	-6.4	1.5	Apr	0.6	4.5	Mar
Belgium	-2.8	Q1	-14.7	-7.9	0.6	Apr	0.5	5.3	Mar
France	-5.4	Q1	-21.4	-8.8	0.3	Apr	0.4	8.4	Mar
Germany	-2.3	Q1	-8.6	-6.1	0.9	Apr	0.8	3.5	Mar
Greece	0.5	Q4	-2.7	-6.0	-1.4	Apr	-0.4	16.1	Feb
Italy	-4.8	Q1	-17.7	-10.8	nil	Apr	-0.2	8.4	Mar
Netherlands	-0.5	Q1	-6.7	-7.0	1.2	Apr	0.5	3.8	Mar
Spain	-4.1	Q1	-19.4	-11.0	-0.7	Apr	-0.3	14.5	Mar
Czech Republic	1.8	Q4	-13.6	-7.7	3.2	Apr	2.6	2.0	Mar [†]
Denmark	2.2	Q4	-7.4	-4.5	nil	Apr	0.4	4.1	Mar
Norway	1.1	Q1	-6.0	-6.0	0.8	Apr	0.2	3.6	Mar ^{††}
Poland	3.3	Q4	-2.0	-2.9	3.4	Apr	3.0	5.8	Apr [§]
Russia	1.6	Q1	na	-5.2	3.1	Apr	4.2	4.7	Mar [§]
Sweden	0.5	Q1	-1.2	-5.1	-0.4	Apr	0.5	8.2	Apr [§]
Switzerland	1.5	Q4	1.3	-5.6	-1.1	Apr	-1.0	3.3	Apr
Turkey	6.0	Q4	na	-5.9	10.9	Apr	11.2	13.6	Feb [§]
Australia	2.2	Q4	2.1	-4.2	2.2	Q1	1.6	6.2	Apr
Hong Kong	-8.9	Q1	-19.6	-3.3	1.8	Apr	1.2	5.2	Apr ^{††}
India	4.7	Q4	4.9	0.3	5.8	Mar	3.4	23.5	Apr
Indonesia	3.0	Q1	na	1.0	2.7	Apr	1.3	5.0	Q1 [§]
Malaysia	0.7	Q1	na	-1.0	-2.9	Apr	0.4	3.9	Mar [§]
Pakistan	0.5	2020**	na	-1.6	8.5	Apr	7.4	5.8	2018
Philippines	-0.2	Q1	-18.9	-0.5	2.2	Apr	1.6	5.3	Q1 [§]
Singapore	-0.7	Q1	-4.7	-6.0	-0.7	Apr	0.4	2.4	Q1
South Korea	1.3	Q1	-5.5	-1.8	0.1	Apr	0.5	4.2	Apr [§]
Taiwan	1.5	Q1	-5.9	-1.9	-1.0	Apr	-1.0	4.1	Apr
Thailand	-1.8	Q1	-8.5	-5.6	-3.0	Apr	0.2	1.0	Mar [§]

Sumber : The Economist, 30 May 2020

EKONOMI INDONESIA TRIWULAN I 2020

Growth GDP Berdasarkan Pengeluaran



Growth GDP Berdasarkan Lapangan Usaha

- Hampir seluruh sektor produksi tumbuh lebih rendah pada Q1-2020, terutama pada sektor berbasis komoditas, perdagangan dan transportasi.
- Terdapat 3 sektor yang tumbuh pesat, yakni Informasi dan Komunikasi, Jasa kesehatan dan Jasa keuangan

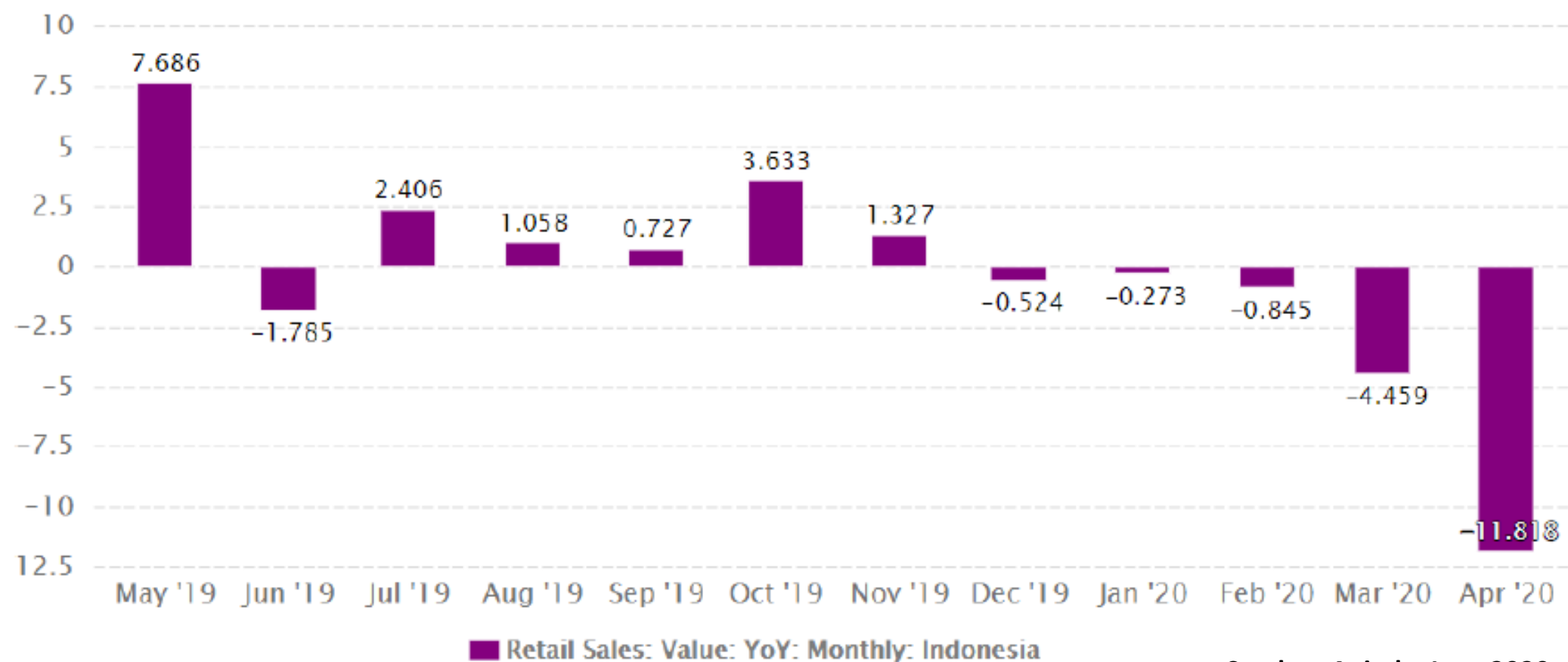
	Q1-2020	2019	Average 5 tahun
GDP	2.97	5.01	5.03
PERTANIAN, KEHUTANAN, DAN PERIKANAN	0.02	3.64	3.72
PERTAMBANGAN & PENGGALIAN	0.43	1.21	0.31
INDUSTRI PENGOLAHAN	2.06	3.81	4.19
PENGADAAN LISTRIK DAN GAS	3.85	4.04	3.47
PENGADAAN AIR, PENGELOLAAN SAMPAH, LIMBAH DAN DAUR ULANG	4.56	6.83	5.53
KONSTRUKSI	2.90	5.76	6.04
PERDAGANGAN BESAR DAN ECERAN, DAN REPARASI MOBIL DAN MOTOR	1.60	4.62	4.12
TRANSPORTASI DAN PERGIUDANGAN	1.27	6.41	7.22
PELAYANAN AKOMODASI DAN MAKAN MINUM	1.95	5.81	5.28
INFORMASI DAN KOMUNIKASI	9.81	9.41	8.93
JASA KEUANGAN DAN ASURANSI	10.67	6.61	6.75
REAL ESTATE	3.83	5.74	4.32
JASA PERUSAHAAN	5.39	11.25	8.48
ADMINISTRASI PEMERINTAHAN, PERTAHANAN DAN JAMINAN SOSIAL WAJIB	3.16	4.67	4.31
JASA PENDIDIKAN	5.89	6.29	5.31
JASA KESEHATAN DAN KEGIATAN SOSIAL	10.39	8.61	6.90
JASA LAINNYA	7.09	11.55	8.87

Growth lebih tinggi dari tahun 2019 dan Avg tahun

Sumber : Apindo, June 2020

KONDISI PENGUSAHA SEKTOR RETAIL

WABAH COVID-19 JUGA BERDAMPAK PADA RETAIL SALES GROWTH INDONESIA YANG TURUN SEMAKIN DALAM



Sumber: Apindo, June 2020

COVID-19 IMPACT -- INDONESIA STATUS

"Covid impact on Employment"



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Kemenaker dan BPJS Ketenagakerjaan mencatat ada sekitar 2,8 juta pekerja terkena dampak pandemic Covid-19. Hal ini akibat terhentinya operasional perusahaan tempat mereka bekerja



Sumber: katadata

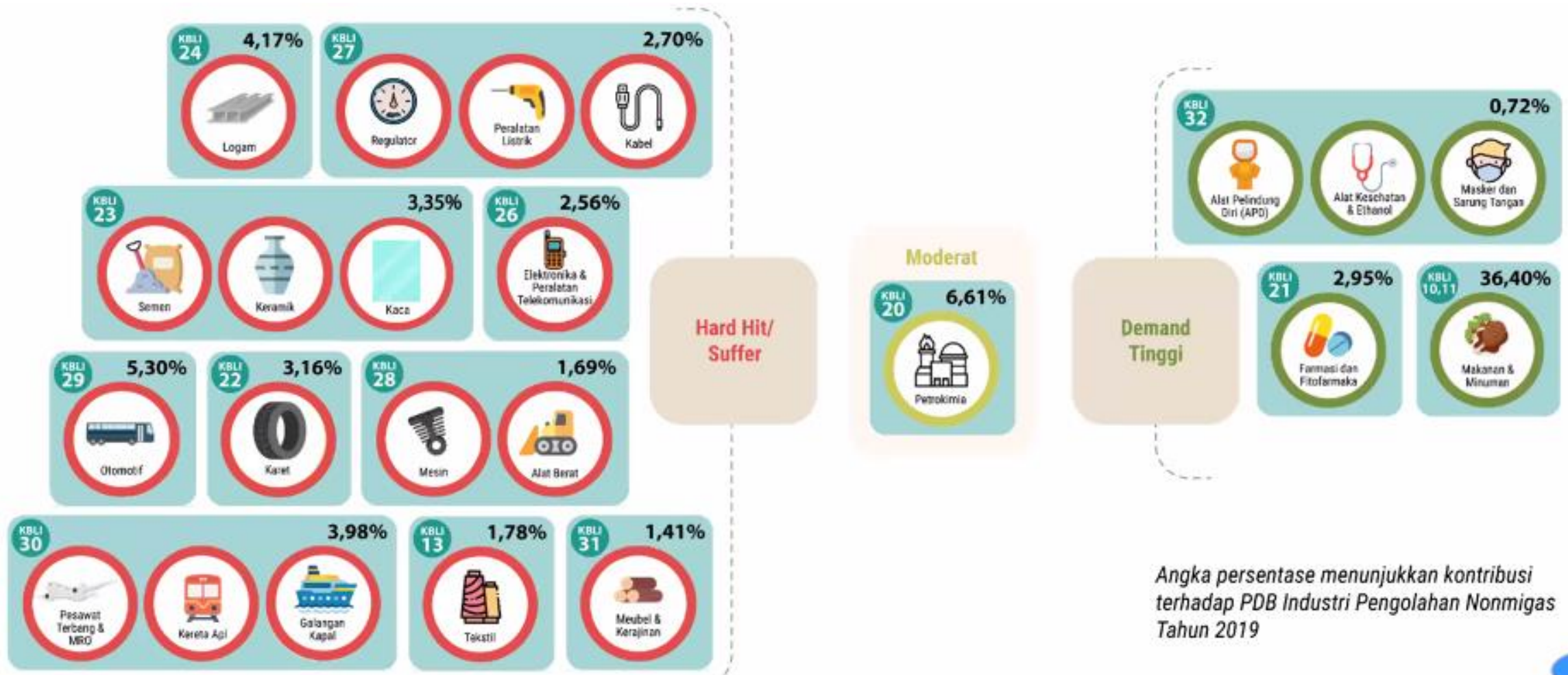
COVID-19 IMPACT -- SECTOR POTENTIAL 2

Potensi dan Ekonomi Terdampak

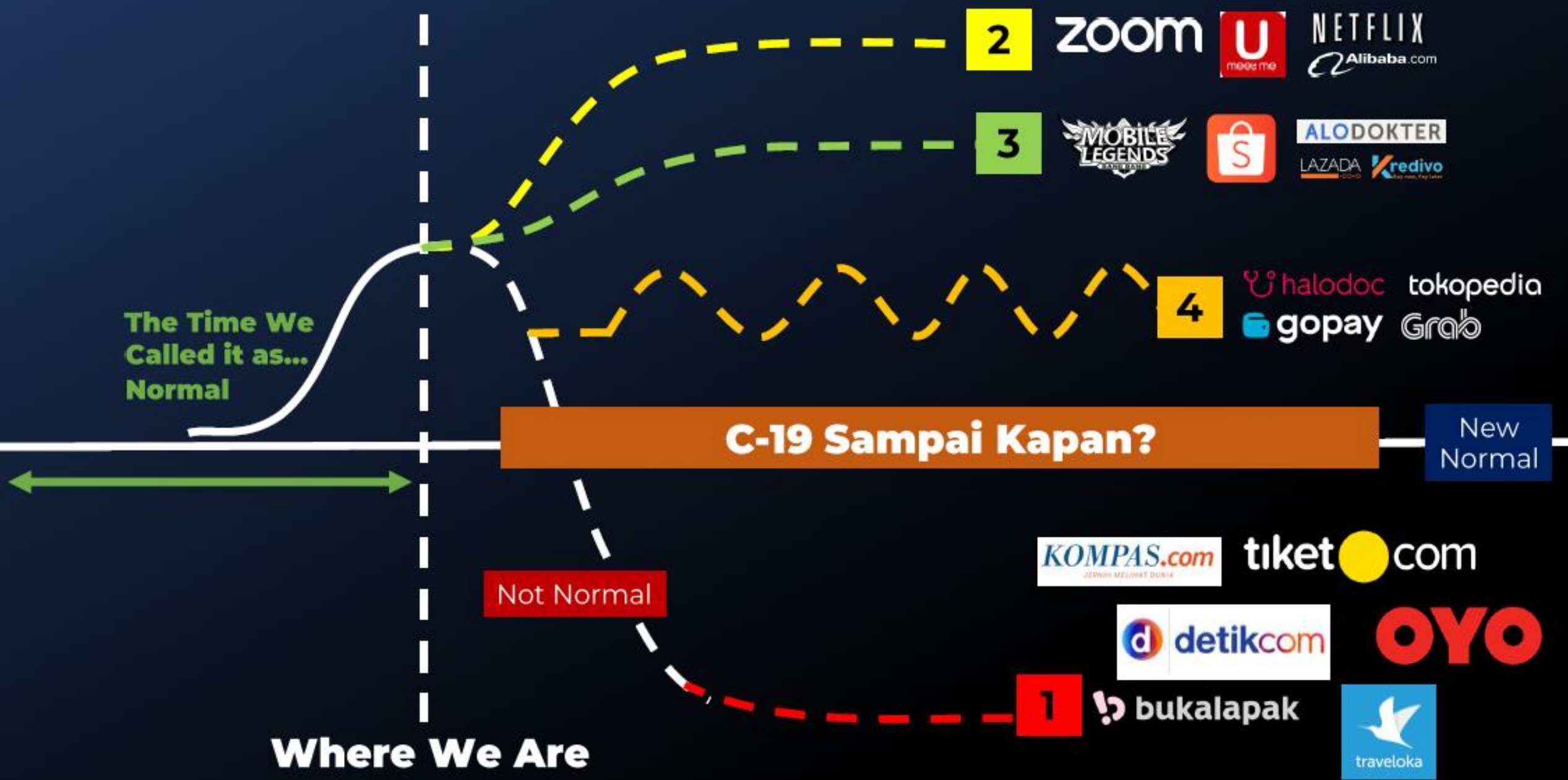


Sumber: Kementerian Koordinator Bidang Perekonomian, BPS, dan berbagai sumber lainnya.

COVID-19 IMPACT -- SECTOR POTENTIAL 3



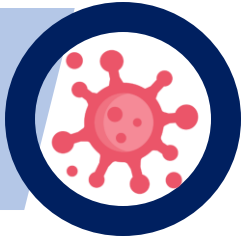
PSYCHOLOGY OF NEW NORMAL



COVID-19 IMPACT -- CONCLUSION

- Negara maju sudah bisa mengendalikan wabah Covid-19, namun tidak demikian halnya Indonesia dan EMDEs pada umumnya, karenanya protokol Covid perlu diperhatikan
- Banyak sektor yang terganggu, bahkan dapat saja terdisrupsi secara permanen, akibat perubahan pola bisnis
- Pemulihan diperkirakan tidak secepat yang diperkirakan. Mayoritas berpendapat bahwa ekonomi akan pulih di akhir 2022
- Berbagai Pemerintah telah menyiapkan stimulus untuk mendorong perekonomian, termasuk Indonesia. Diharapkan Sektor Logistik juga memperoleh perhatian untuk bisa tetap bertahan sampai dengan pemulihan ekonomi selesai

COVID-19 IMPACT



**HOW KAL
FACING NEW
NORMAL**



NEW NORMAL



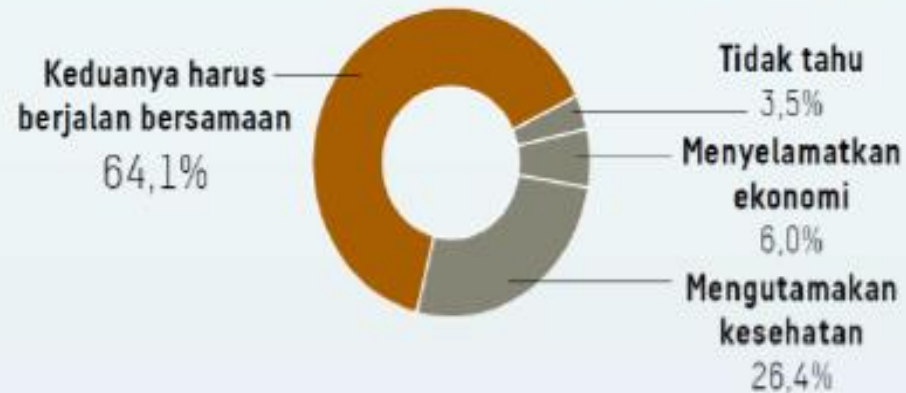
ABOUT KAL



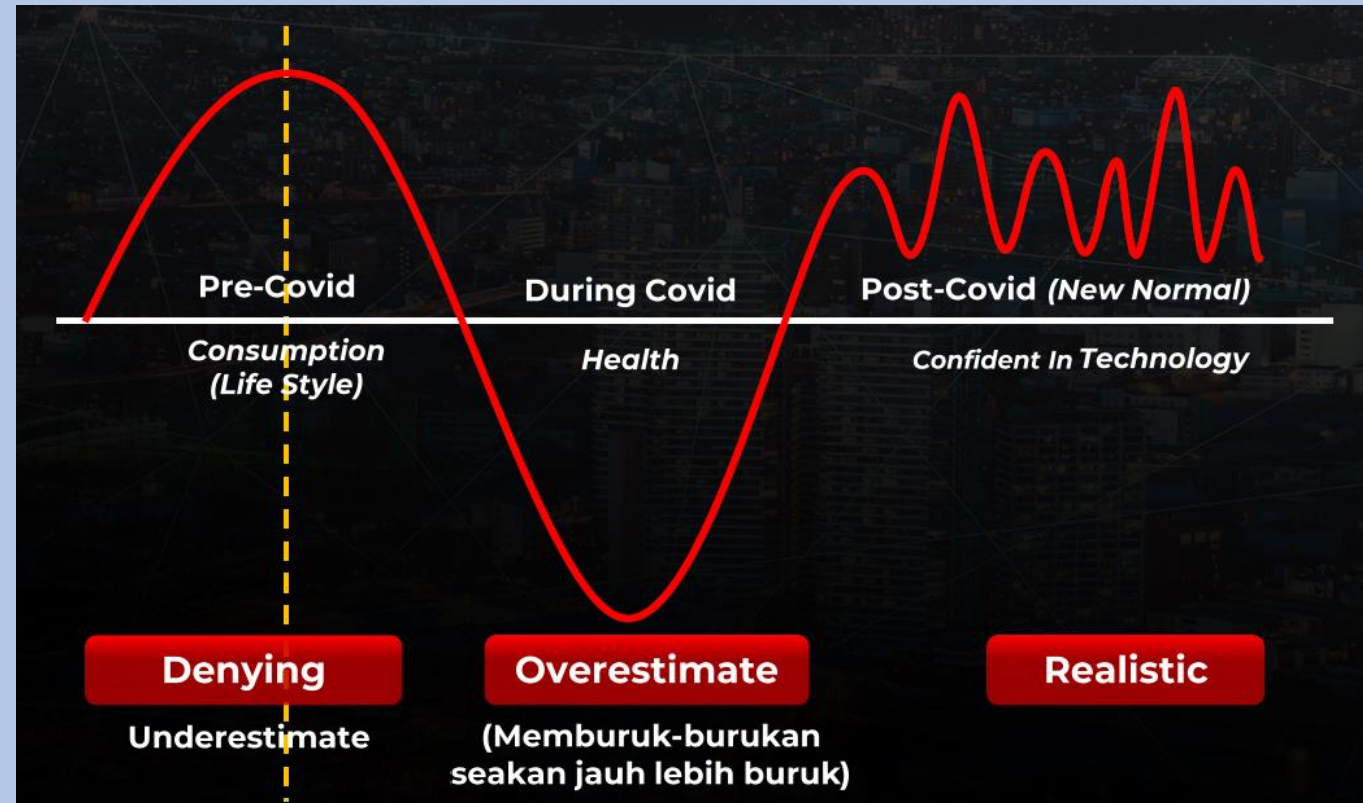
NEW NORMAL -- SURVEY

"Covid Psychology"

Lebih penting mana, menyelamatkan ekonomi atau mengutamakan kesehatan masyarakat akibat ancaman Covid-19?



Sumber : Kompas, Mei 2020



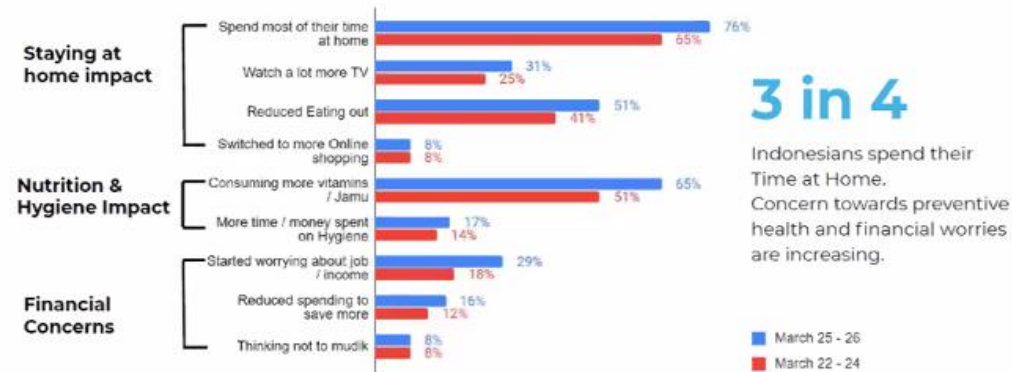
NEW NORMAL -- SURVEY

“Behavioral, Attitudinal, and consumption changes in Indonesia”



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Tracking Behavioral & Attitudinal Changes

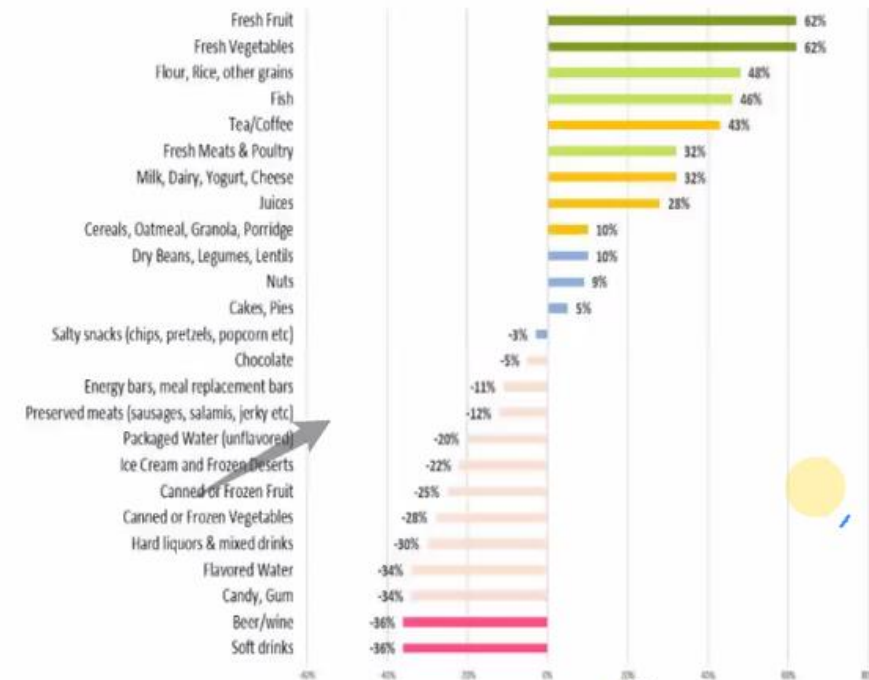


Video Conference platform utilized not only for **productive activities** (work & study) but also shifted to **social activities**



Source: Shifts in the Low Touch Economy, boardofinnovation.com/low-touch-economy

Consumption Changes in Indonesia



Source: Firmenich FAST Survey: Indonesians In Time of COVID-19, W3 Mar20

14 for good, naturally

Source: Firmenich FAST survey: Indonesians in Times of COVID-19 w3 Mar20

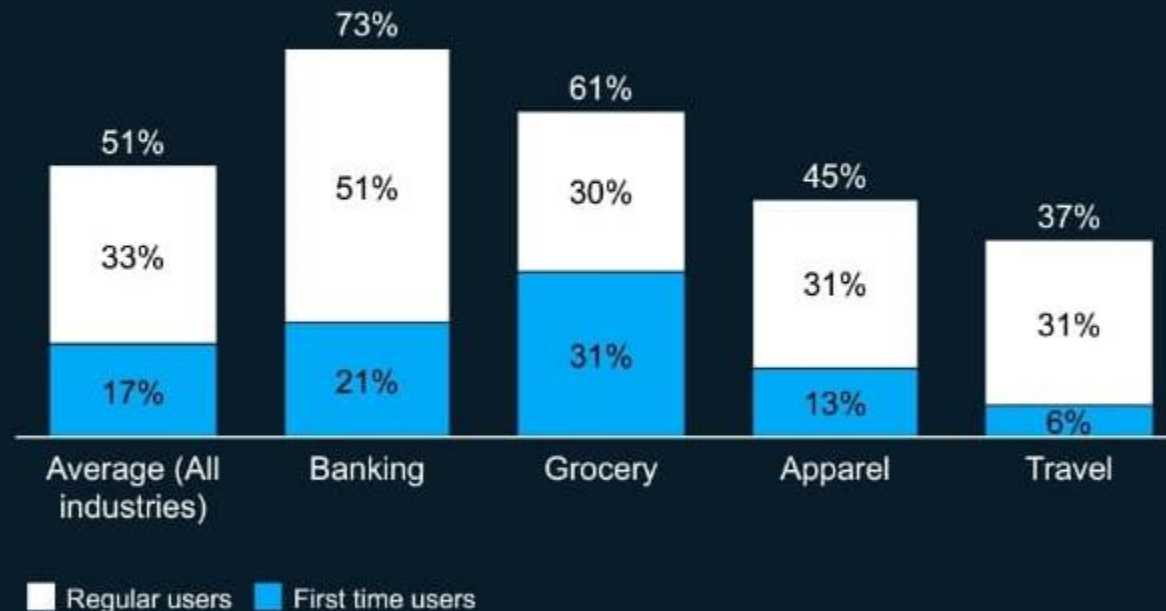
NEW NORMAL -- SURVEY

“Adoption of digital sales channels is ‘on the rise’”

Consumers are accelerating adoption of digital channels¹

Most first-time customers (~86%) are satisfied/ very satisfied with digital adoption and majority (~75%) plan to continue using digital post-COVID

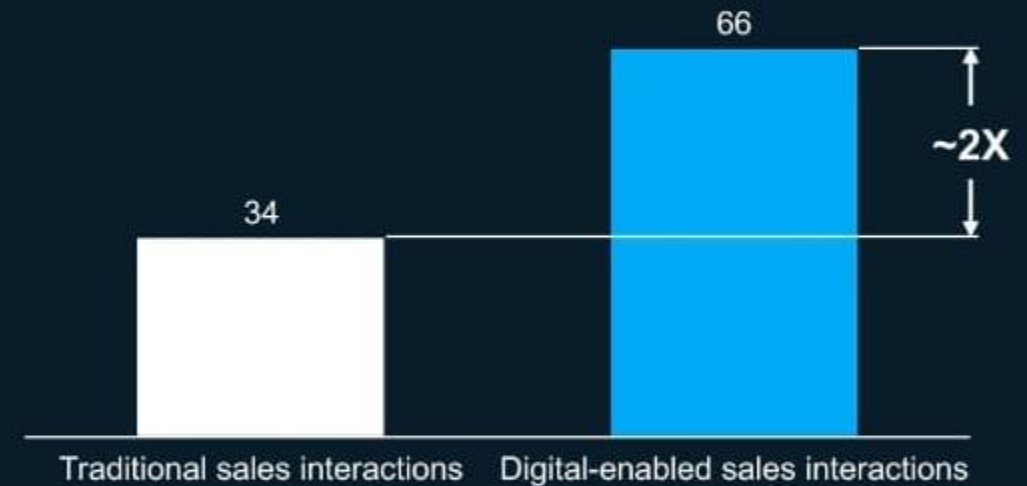
% of respondents



...and so are B2B decision makers²

B2B decision makers believe digital sales interactions will be ~2X more important than traditional interactions in the next few weeks (vs equally important pre-COVID)

% of respondents

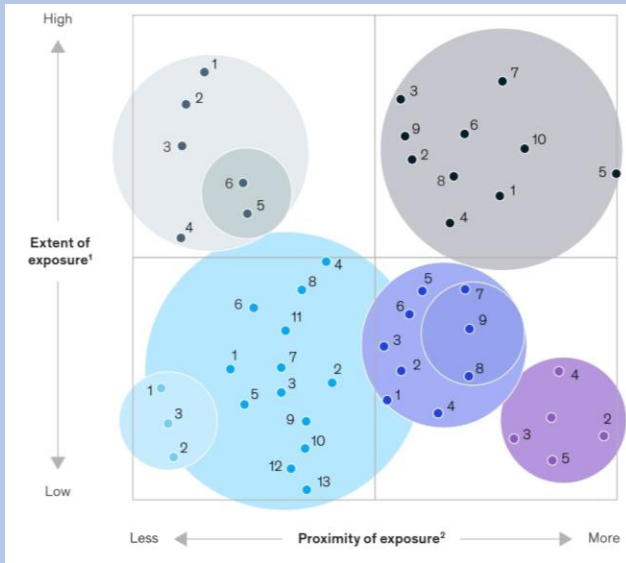


Source:
1 - Q: Which of the following industries have you used/visited digitally (mobile app/ website) over the past 6 months? Which of these services have you started to use digitally during COVID-19?
McKinsey & Company COVID-19 Digital sentiment insights: survey results for the U.S. market; April 25-28, 2020

2 - McKinsey B2B Decision Maker Pulse Survey, April 2020 (N=3,619 for Global. Respondents from France, Spain, Italy, UK, Germany, South Korea, Japan, China, India, US, and Brazil)

NEW NORMAL -- SURVEY

“Level of Risk in work environment”



- Significant public interaction
- 1 Airports
- 2 Banks
- 3 Grocery stores
- 4 Gyms and fitness studios
- 5 Hospitals
- 6 Hotels
- 7 Public transit
- 8 Restaurants
- 9 Retail stores
- 10 Stadiums and theme parks

- Physical contact required
- 1 Barbershops and hair salons
- 2 Nursing homes
- 3 Performing-arts venues
- 4 Physical-therapy offices
- 5 Spas

- Professional working spaces
- 1 Call centers
- 2 Large offices
- 3 Public-service functions
- 4 Small offices

- Professional working spaces (physical presence required)
- 5 Air-traffic-control towers
- 6 Research labs

- Large confined spaces
- 1 Engineering labs
- 2 Factories
- 3 Schools (K-12)
- 4 Sports arenas
- 5 Universities
- 6 Warehouses

- Large confined spaces (low compliance)
- 7 Day-care centers
- 8 Mental-care facilities
- 9 Preschools

- Isolated
- 1 Artisanal work
- 2 Construction
- 3 Farming
- 4 Firefighting
- 5 Landscaping
- 6 Mail delivery
- 7 Moving services
- 8 Police
- 9 Real estate
- 10 Repair services
- 11 Sanitation
- 12 Trucking
- 13 Waste management

- Solo
- 1 Fine arts
- 2 Graphic design
- 3 Programming

Level of risk in work environment, by activity

	Pre-entry	Travel to and from work	At workstations	In common spaces	Post-infection
Significant public interaction	●	●	●	●	●
Physical contact required	●	●	●	●	●
Large confined spaces	●	●	●	●	●
Professional working spaces	●	●	●	●	●
Isolated	●	●	●	●	●
Solo	●	●	●	●	●

Sumber : BCG Consulting, May 2020



SURAT EDARAN
NOMOR HK.02.01/MENKES/335/2020
TENTANG
PROTOKOL PENCEGAHAN PENULARAN *CORONA VIRUS DISEASE* (COVID-19) DI
TEMPAT KERJA SEKTOR JASA DAN PERDAGANGAN (AREA PUBLIK)
DALAM MENDUKUNG KEBERLANGSUNGAN USAHA

Bagi Pengurus atau Pengelola Tempat Kerja/Pelaku Usaha pada Sektor Jasa dan Perdagangan (Area Publik)

- a. Melakukan pembersihan dan disinfeksi secara berkala di area kerja dan area publik (mendisinfeksi fasilitas umum yang sering disentuh publik setiap 4 jam sekali).
- b. Menyediakan fasilitas cuci tangan yang memadai dan mudah diakses oleh pekerja dan konsumen/pelaku usaha.
- c. Pastikan pekerja memahami perlindungan diri dari penularan COVID-19 dengan Perilaku Hidup Bersih dan Sehat (PHBS).
- d. Melakukan pengecekan suhu badan bagi seluruh pekerja sebelum mulai bekerja dan konsumen/pelaku usaha di pintu masuk. Jika ditemukan pekerja dengan suhu $>37,3^{\circ}\text{C}$ (2 kali pemeriksaan dengan jarak 5 menit), tidak diperkenankan masuk dan diminta untuk melakukan pemeriksaan kesehatan.
- e. Mewajibkan pekerja dan pengunjung menggunakan masker.
- f. Memasang media informasi untuk mengingatkan pekerja, pelaku usaha, pelanggan/konsumen dan pengunjung agar mengikuti ketentuan pembatasan jarak fisik dan mencuci tangan pakai sabun dengan air mengalir/*handsanitizer* serta kedisiplinan menggunakan masker.

Bagi Pekerja

- a. Pastikan dalam kondisi sehat sebelum berangkat bekerja. Pekerja yang mengalami gejala seperti demam/batuk/pilek/sakit tenggorokan disarankan untuk tidak masuk bekerja dan memeriksakan diri ke fasilitas pelayanan kesehatan jika diperlukan.
- b. Jaga kebersihan tangan dengan sering mencuci tangan dengan sabun dan air mengalir, atau menggunakan *hand sanitizer*.
- c. Hindari tangan menyentuh area wajah seperti mata, hidung atau mulut.
- d. Tetap memperhatikan jaga jarak/*physical distancing* minimal 1 meter saat berhadapan dengan pelaku usaha atau rekan kerja pada saat bertugas.
- e. Menggunakan pakaian khusus kerja dan mengganti pakaian saat selesai bekerja.
- f. Gunakan masker saat berangkat dan pulang dari tempat kerja serta selama berada di tempat kerja.
- g. Segera mandi dan berganti pakaian sebelum kontak dengan anggota keluarga di rumah. Bersihkan *handphone*, kacamata, tas, dan barang lainnya dengan cairan desinfektan.

NEW NORMAL -- NEW CONCEPT

"Humanitarian Transportation Concept"



Setiap individu atau badan hukum penyedia mobilitas **wajib melindungi** manusia dan benda dari hilangnya atau menurunnya kapasitas dasar dari obyek yang diangkut.

Melindungi Manusia dan Kemanusiaan

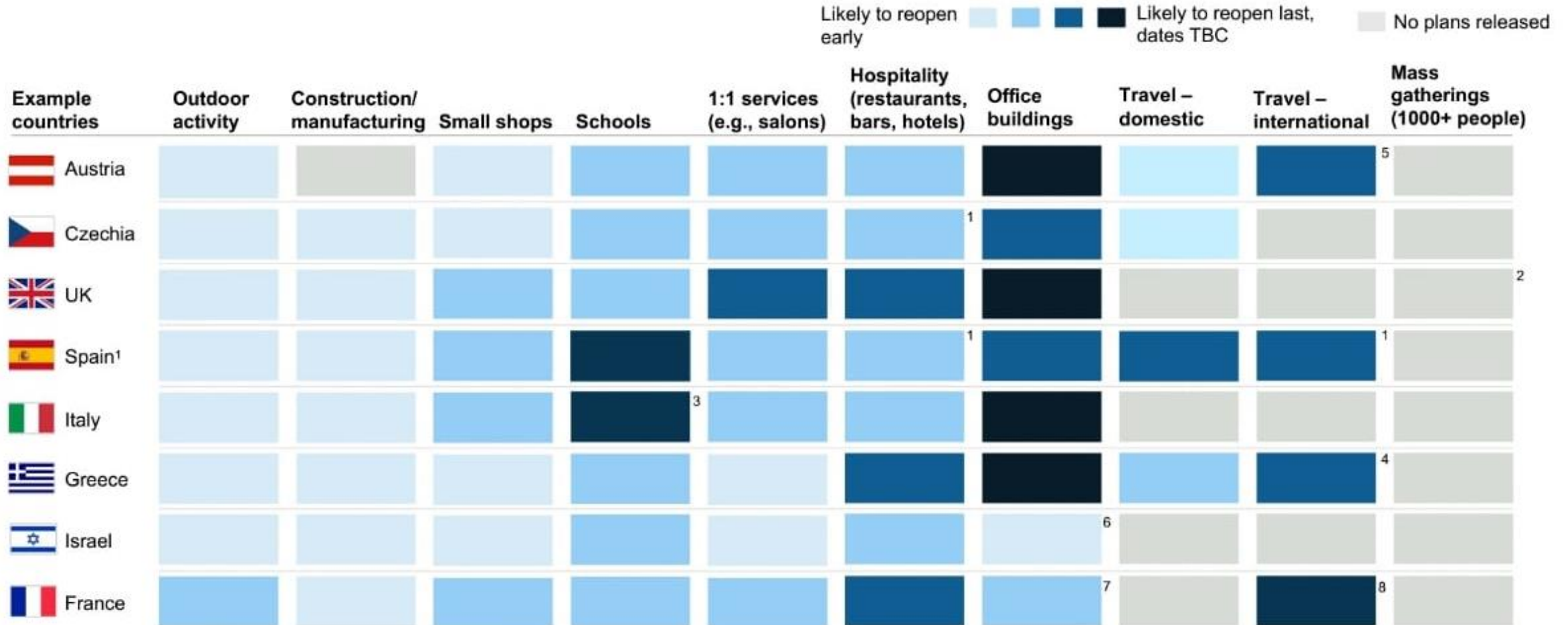


Mendorong Produktivitas Manusia

Sesuai kewenangan dan kemampuannya setiap individu dan badan hukum **wajib berperan dalam penyediaan akses mobilitas** untuk kemanusiaan

NEW NORMAL

-- STRATEGIES ACROSS COUNTRIES

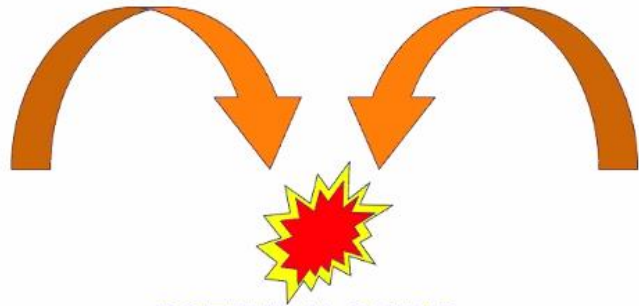


Source: [BBC](#), [NY Post](#), [NPR](#), [US News](#), [The Guardian](#), [ABC News](#), [BBC](#), [University of Oxford](#), [The Guardian](#), [Forbes](#), [Forbes](#), [Government of Spain](#), [Reuters](#), [EuroNews](#), [CNN](#), [Haaretz](#), [Government of UK](#), [USNews](#)

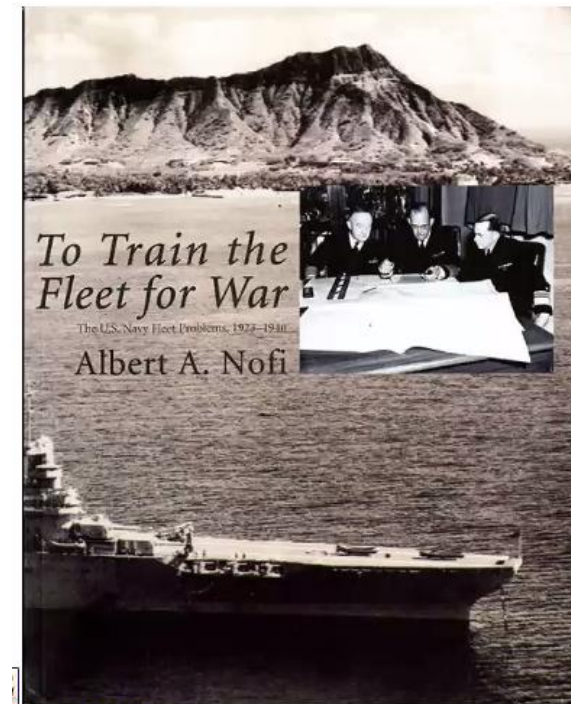
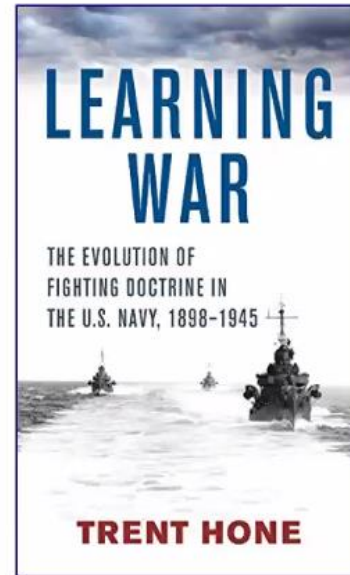
SUCCEEDING IN THE FACE OF ABRUPT CHANGE

STRATEGIC
CHANGE

TECHNOLOGICAL
CHANGE



POTENTIAL CRISIS



Fleet Problems

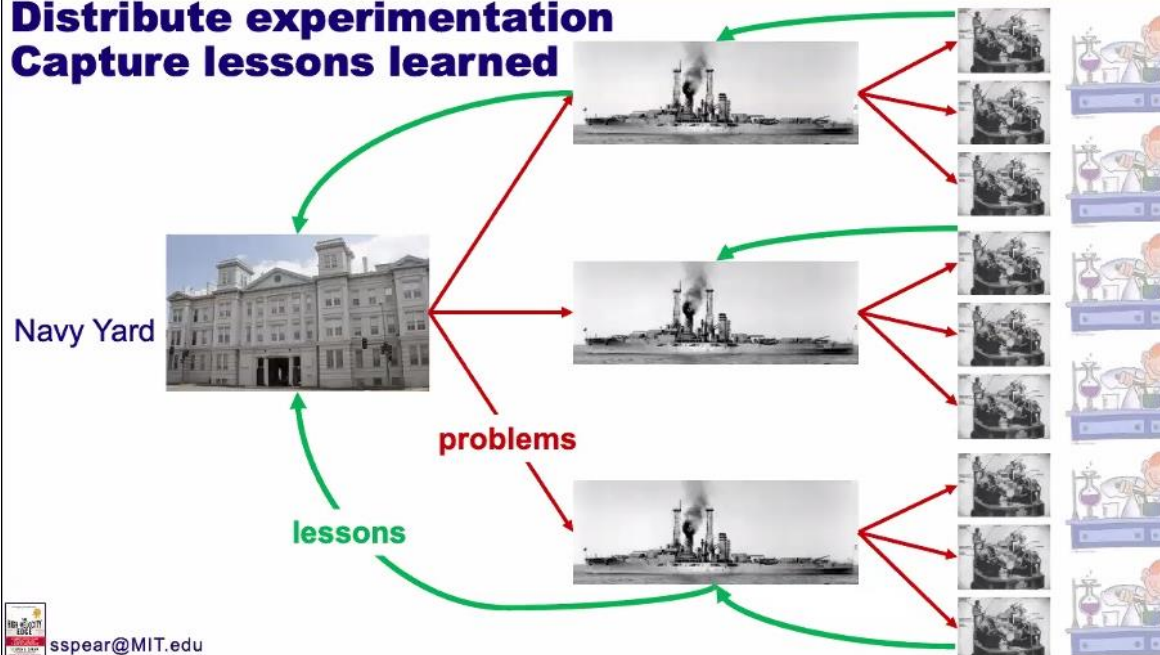
- I: Defend the Panama Canal
- II-IV: Simulate Pacific battles
- V: Fight at Hawaii
- VI:
- VII: Attack/defend Panama Canal
- VIII: Convoy search, anti-submarines
- IX: Panama Canal
- X: Surprise air attack
- XI:
- XII: Amphibious landings
- XIII: Invade enemy ports
- XIV: West coast air attack
- XV: Land and sea combined
- XVI: Coordinated offensive over large areas
- XVII: Task force battles
- XVIII: Amphibious (Island hop Alaska and Hawaii)
- XIX: Search tactics
- XX: Defend East coast
- XXI: Eight phase defense of Hawaii
- XXI
- XXII-XXVIII...



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Distribute experimentation Capture lessons learned



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ASSUMPTIONS AND CHOICE

■ WE ALREADY KNOW A LOT



■ WE KNOW VERY LITTLE



sspear@MIT.edu



The impact of COVID-19 on the Internet of Things

Short term – Based on data available now

Long term – based on IoT expert opinions and logic

Effect on...	Now	Next weeks	Next months	Next years	Next decades
Enterprise technology needs	1 Cost (CAPEX) has to be reduced 2 Better business transparency is needed		3 Processes become more automated	4 Supply chains and manufacturing capacity become more flexible and resilient	
Technology in general	5 Ongoing projects are paused 6 Some enterprise technologies take off	7 Declining demand for new projects/devices/services	8 Many digitalization initiatives get accelerated or intensified	9 The digital divide widens – companies that cut tech during COVID-19 fall behind	
IoT Technology	10 IoT networks largely unaffected		11 Technology roadmaps get delayed		
Specific IoT applications	12 Decreased interest in consumer IoT devices 13 Remote asset access becomes important 14 Digital Twins help with scenario planning 15 New uses for drones 16 Specific IoT health applications surge		17 Track & Trace solutions get used more extensively 18 Smart City data platforms become key 19 Increase in easy-to-install IoT retrofit solutions		
IoT Security & privacy	20 Cyberattacks increase & hacker strategies change		21 Privacy gets re-evaluated	22 Additional focus on security	
People & Relationships	23 Fewer IoT jobs 24 Vendors provide free products / services			25 Skill shortage becomes less of an issue	



= Positive effect for IoT vendors



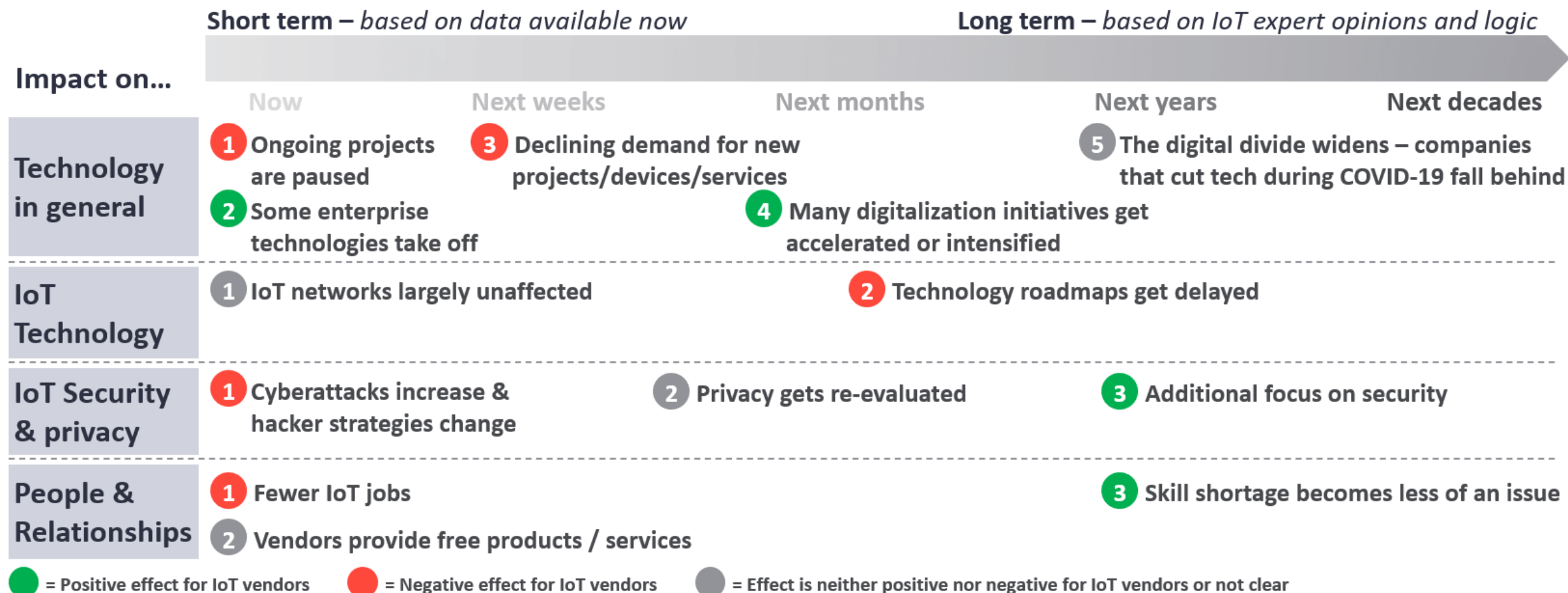
= Negative effect for IoT vendors



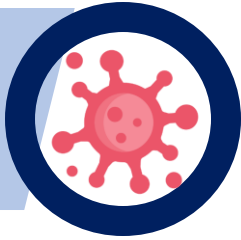
= Effect is neither positive nor negative for IoT vendors or not clear



The impact of COVID-19 on the Internet of Things (Part 2)



COVID-19 IMPACT



**HOW KAL
FACING NEW
NORMAL**



NEW NORMAL



ABOUT KAL



ABOUT KAL -- PRELIMINARY

"You don't know means you won't love"



Established in 2013, PT. Krakatau Argo Logistics (KAL) revolved around Multi Modes Transportation business services, legalized under the Ministry of Transportation; No KM. 86/2019, and No KM. 168/2019 as ASEAN multimode. At the inception, KAL focused on serving the logistic of steel industry, whether the material management, sub-material or steel products. However, in-line with the fast-growing industry in Indonesia, KAL has expanded its services to non-steel Industry since 2015.

With KAL wide link and reliable partners in many sectors including transportation (land, sea, and air), warehousing and governmental permit, KAL continues to provide Integrated Logistics Service to all its customers.

ABOUT KAL -- PURPOSE

"You don't know means you won't love"



Vision

To be a Leading, Most Trusted and Integrated Logistics Company in Indonesia.

Mision

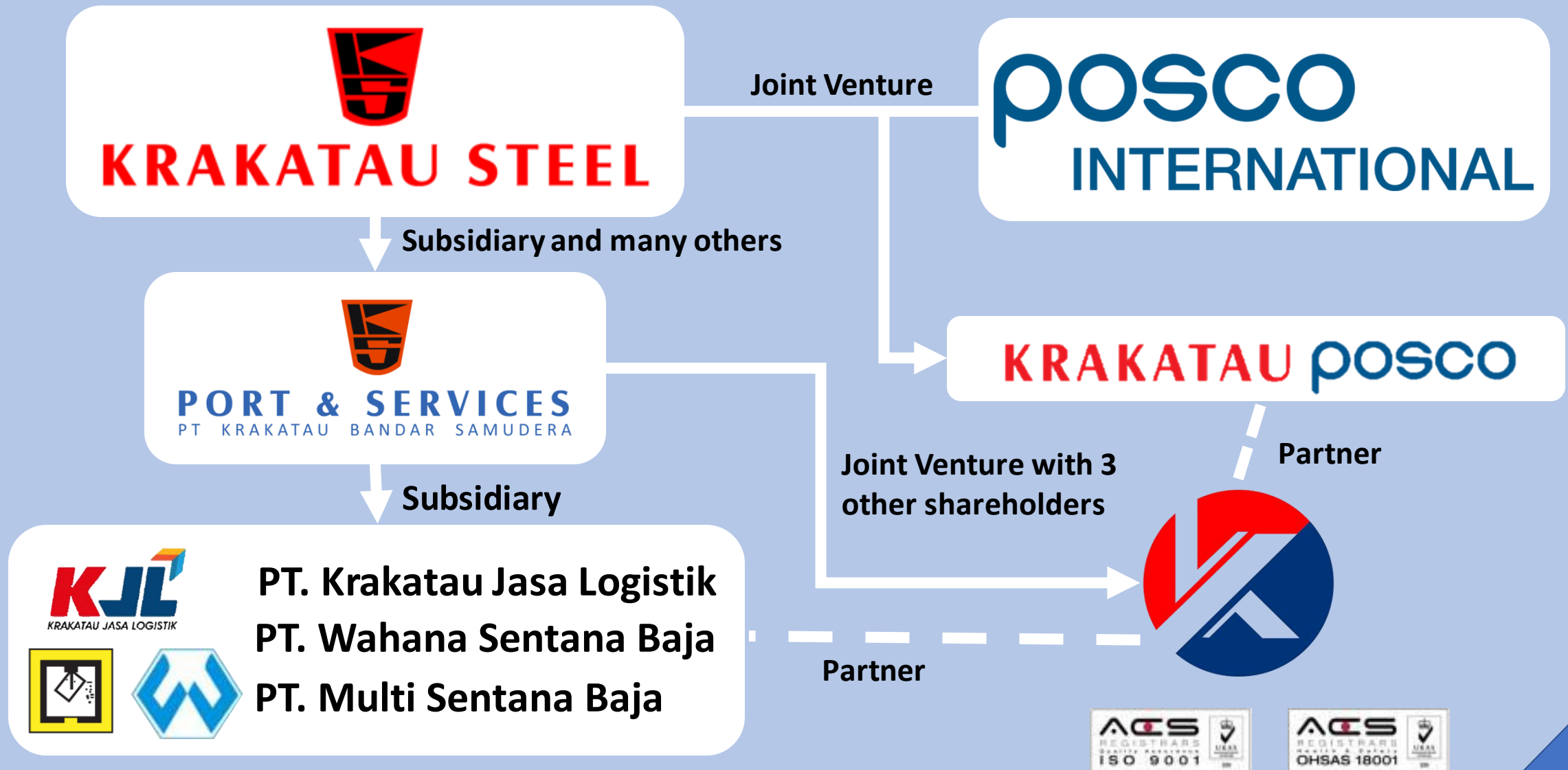
We are committed to provide the integrated Logistic solutions with the highly competitive logistics services to achieve continually customer, employee, shareholders, and other stakeholder's satisfaction

KAL's Values

Solid, Safe, Smart, Speed, and Innovation

ABOUT KAL – OUR PEDIGREE

“You don’t know means you won’t love”



ABOUT KAL -- LOCATION

"You don't know means you won't love"



ABOUT KAL -- SERVICES

"You don't know means you won't love"



**Inland
Transportation**



**Railway
Transportation**



**Sea
Transportation**



**Dry
Port**



**Custom
Clearance**



**Stevedoring
Services**



**Warehouse Open
Yard**



**Warehouse Close
Yard**



WHY KAL? -- OUR STRENGTH

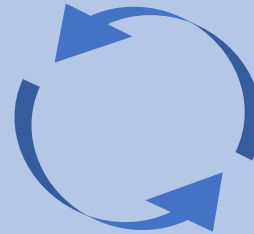
"The Benefits you get is our concern"



KRAKATAU ARGO LOGISTICS
YOUR LOGISTICS PARTNER

Multimode Transportation

Just **1** Delivery
With No. Document
Service Quality



WHY KAL? -- OUR STRENGTH

"The Benefits you get is our concern"



KRAKATAU ARGO LOGISTICS
YOUR LOGISTICS PARTNER

Door to Door

To Your
Customer

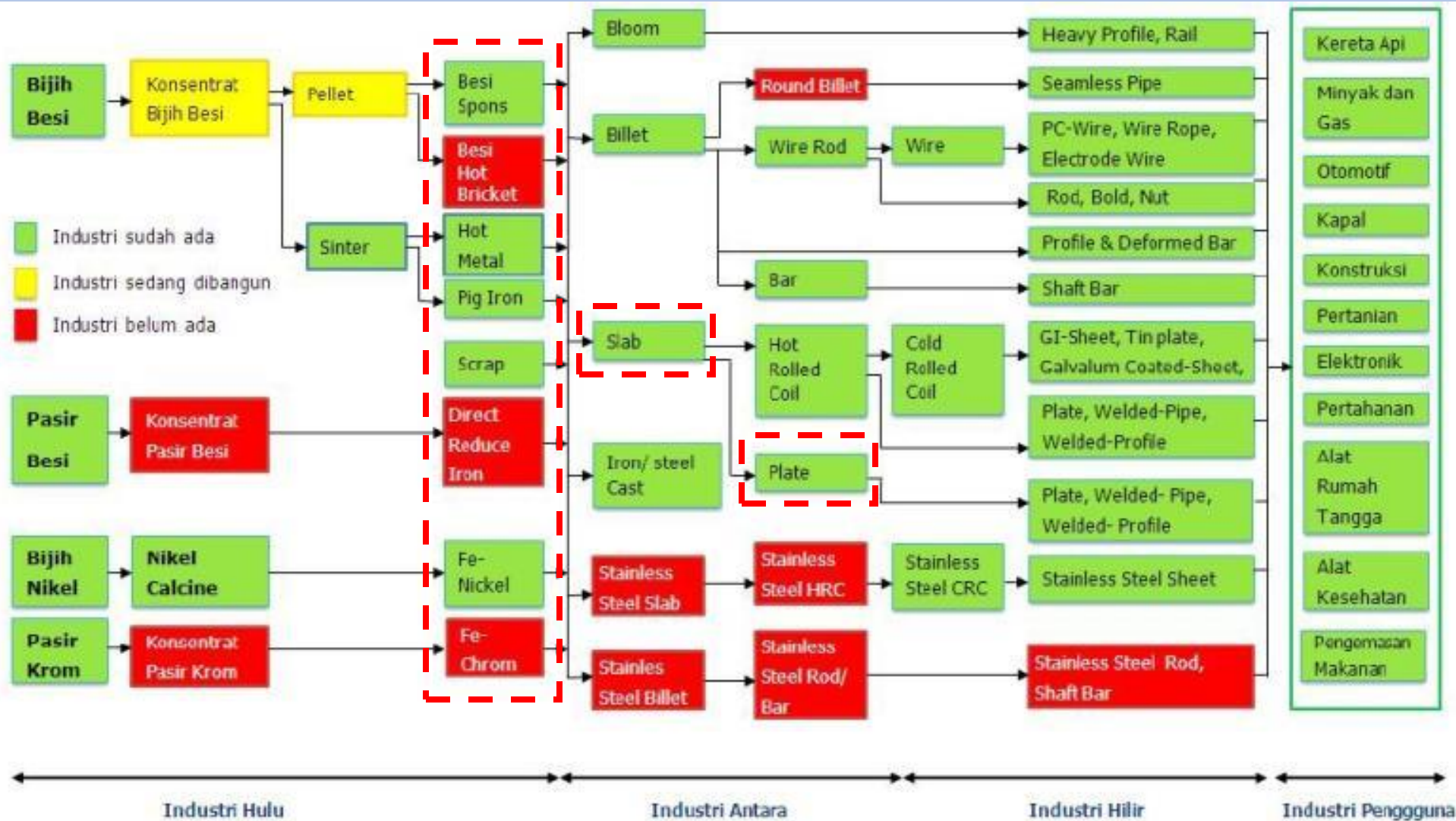
To Your
Customer

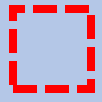
From Our
Customer



WHY KAL? -- OUR STRENGTH

"The Benefits you get is our concern"




KP's Supply Chain

WHY KAL? -- OUR STRENGTH

"The Benefits you get is our concern"

Experienced in Steel Supply Chain with **KRAKATAU posco**

Input



Lime Stone



Burnt Lime



Ferro Alloy

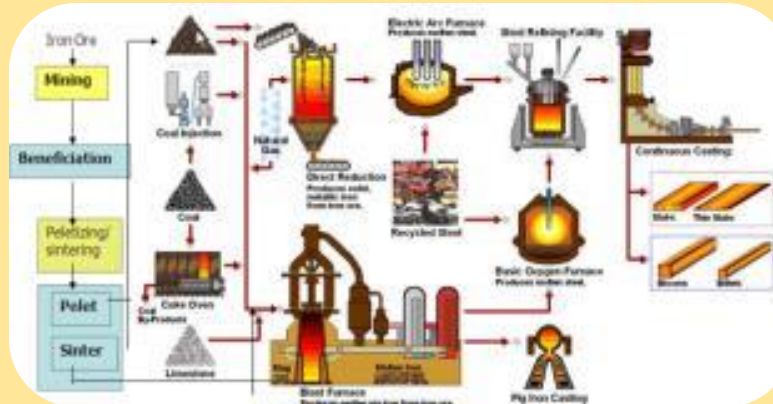


Hot Brocket Iron

Scope KAL:

1. Inland Transportation Port to Door
2. Custom Clearance

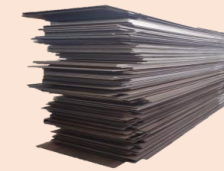
Process



Scope KAL:

1. Internal Slab Yard
2. Warehouse Management
3. Cutting Slab
4. Marking Slab

Output



Slab



Plate



GBFS



Carbon Black Oil



Naftalena

Scope KAL:

1. Inland Transportation Door to Port
2. Custom Clearance
3. Domestic Transport
4. Inter Inland Shipping
5. Stevedoring

WHY KAL? -- OUR STRENGTH

"The Benefits you get is our concern"



KRAKATAU ARGO LOGISTICS
YOUR LOGISTICS PARTNER

Our Partners and Costumers

KRAKATAU posco



PORT & SERVICES
PT KRAKATAU BANDAR SAMUDERA



SAMUDERA INDONESIA



MERATUS JAYA
IRON & STEEL



KRAKATAU STEEL



PT. MULTI SENTANA BAJA
Stevedoring Company
PT. KRAKATAU STEEL GROUP



KSI PT KRAKATAU SEMEN INDONESIA



sabatrans



CEMINDO GEMILANG



PT. INTISUMBER BAJASAKTI



WHY KAL? -- OUR SUPPORT SYSTEM

“The Benefits you get is our concern”

Application Based System – Information Technology

1. **Intacs System**, using ERP system that provides tight integration with all major enterprise functions be it HR, procurement, marketing, logistic service, finance, etc.
2. **Activity System**, to Report the activity based on digital, and Real-time monitoring
3. **Document Management System**, As a big database for saving document that still active or already expired
4. **Sumbang Saran**, As a media complaints/recommendation for customers to us

File can be access here



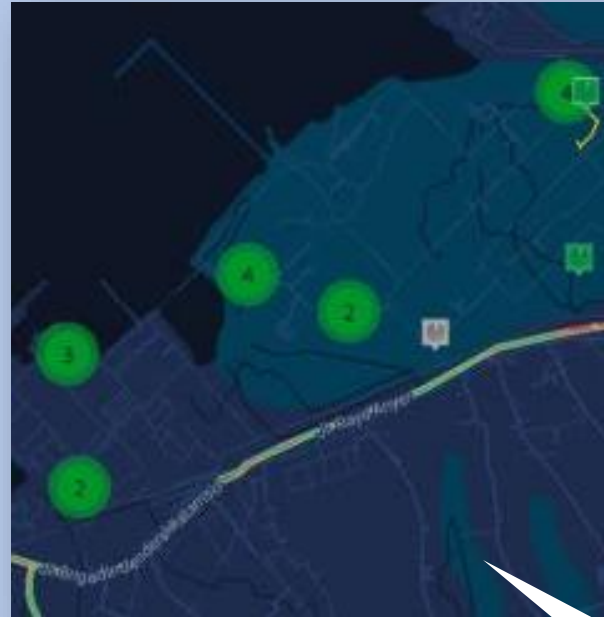
WHY KAL? -- OUR SUPPORT SYSTEM

"The Benefits you get is our concern"

Digital Transformation



Tracking Our Fleet with GPS
"Real-Time Monitoring"

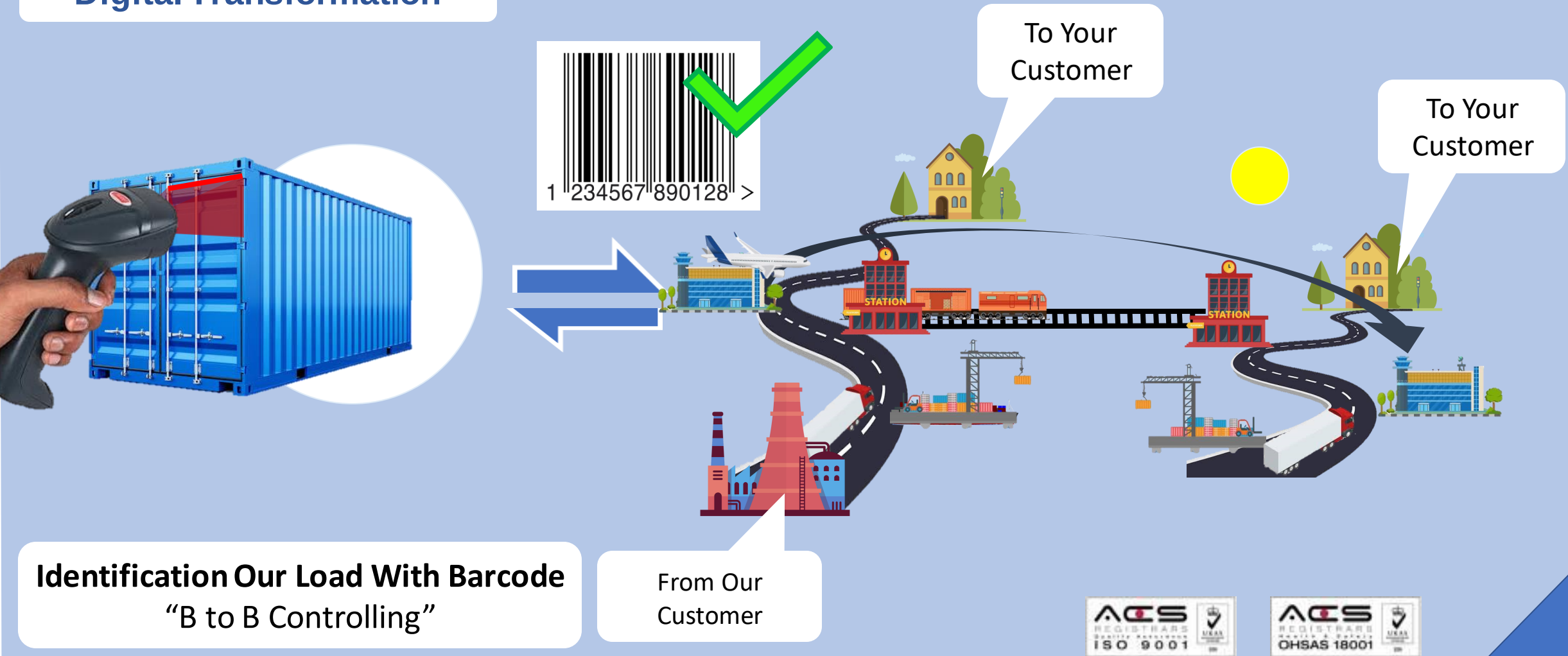


1. We Find **Fleet Position**
2. We Calculate **Cost/Time Estimation**
3. We Get **Data Integration**

WHY KAL? -- OUR SUPPORT SYSTEM

"The Benefits you get is our concern"

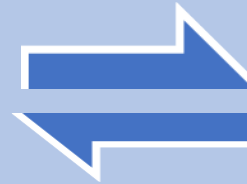
Digital Transformation



WHY KAL? -- OUR SUPPORT SYSTEM

"The Benefits you get is our concern"

Digital Transformation



From Our
Customer



To Your
Customer



To Your
Customer

Identification Our Load With Barcode
"B to B Controlling"

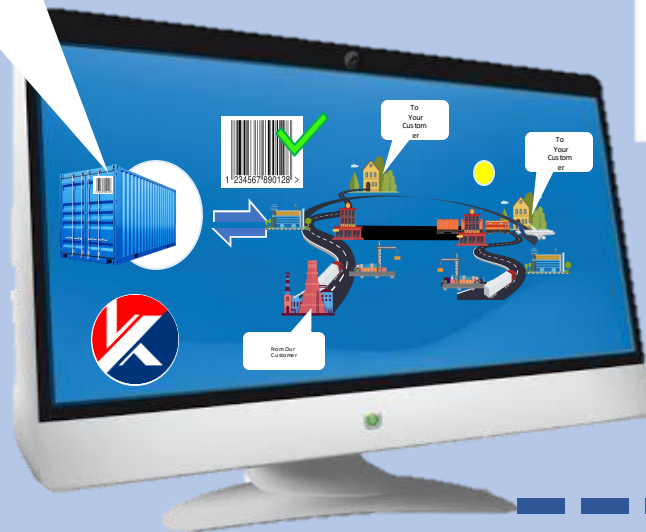


WHY KAL? -- OUR SUPPORT SYSTEM

"The Benefits you get is our concern"

Digital Transformation

From Our
System



To Your System

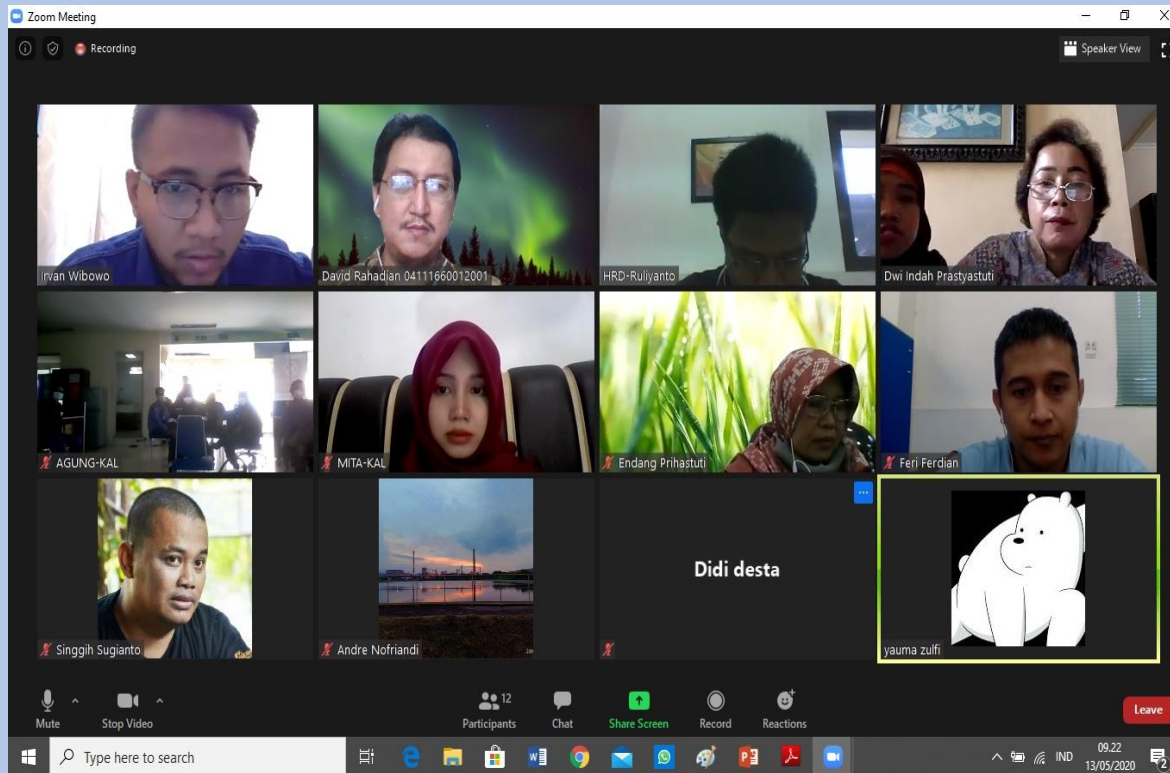


Identification Our Load With Barcode
"B to B Controlling"

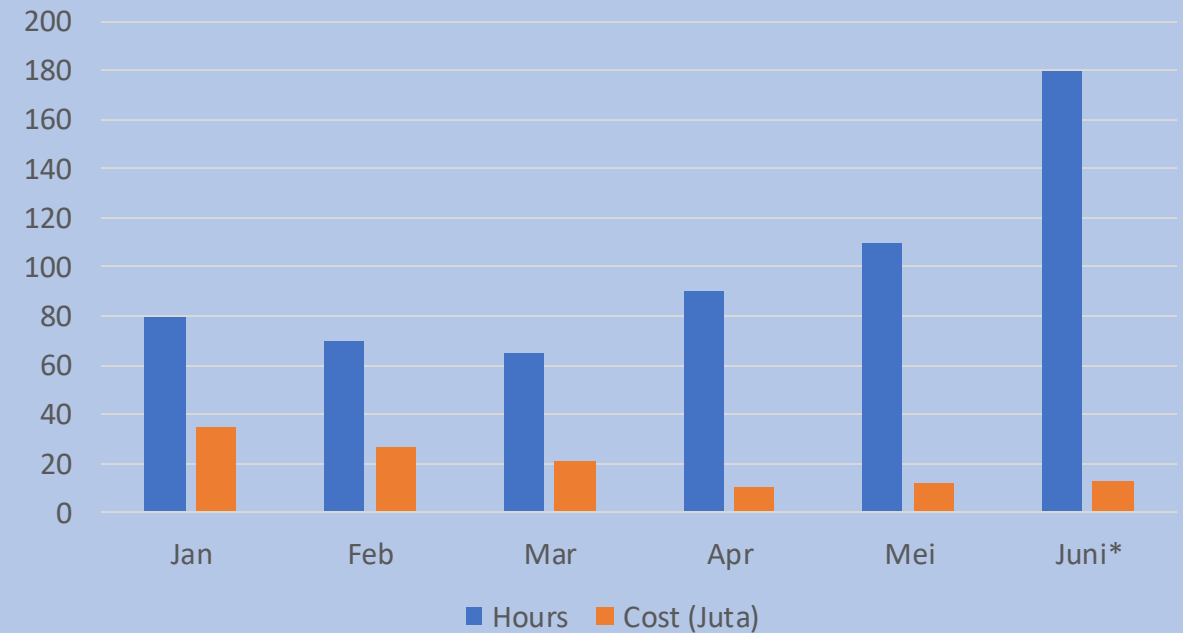
WHY KAL? -- OUR SUPPORT SYSTEM

“The Benefits you get is our concern”

Digital Transformation – Online Training



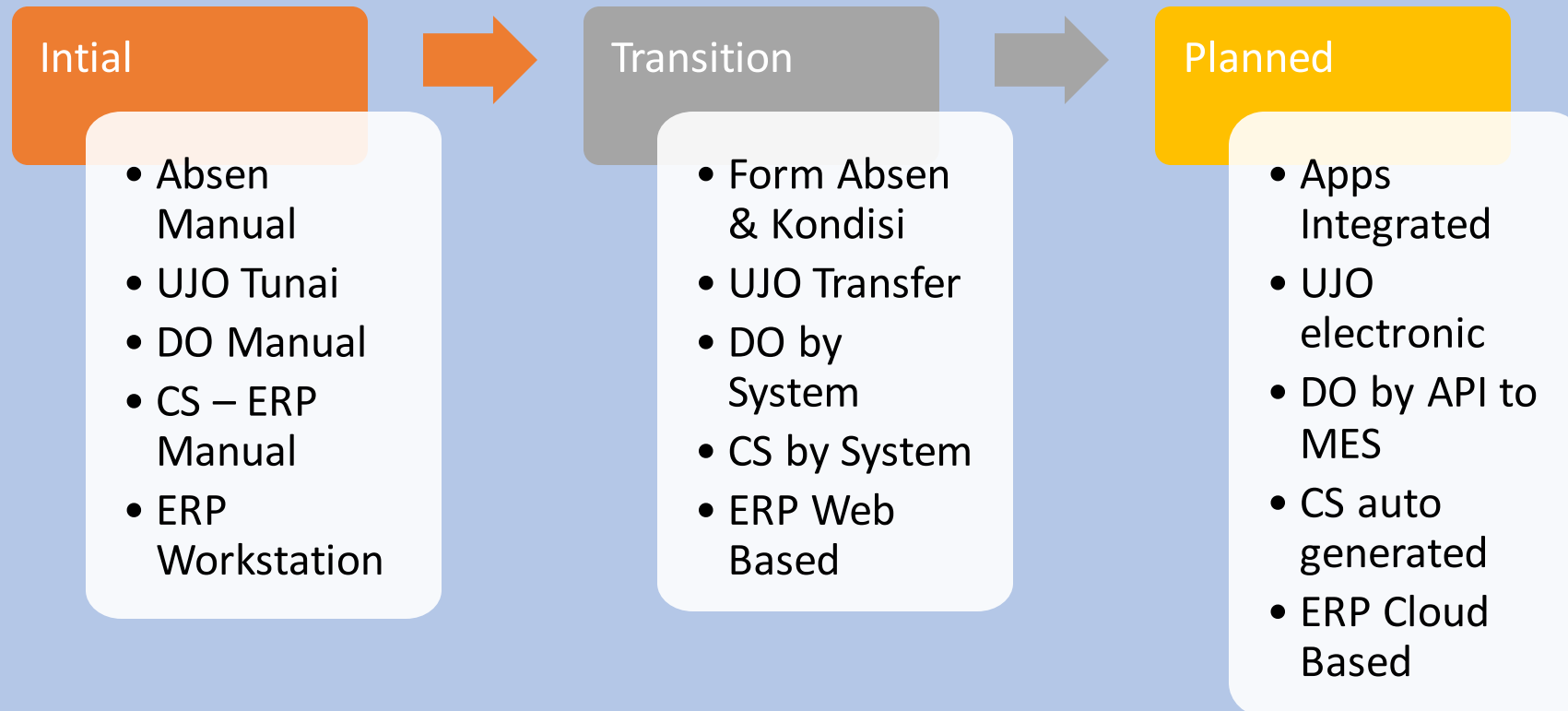
Training Jam vs biaya



WHY KAL? -- OUR SUPPORT SYSTEM

"The Benefits you get is our concern"

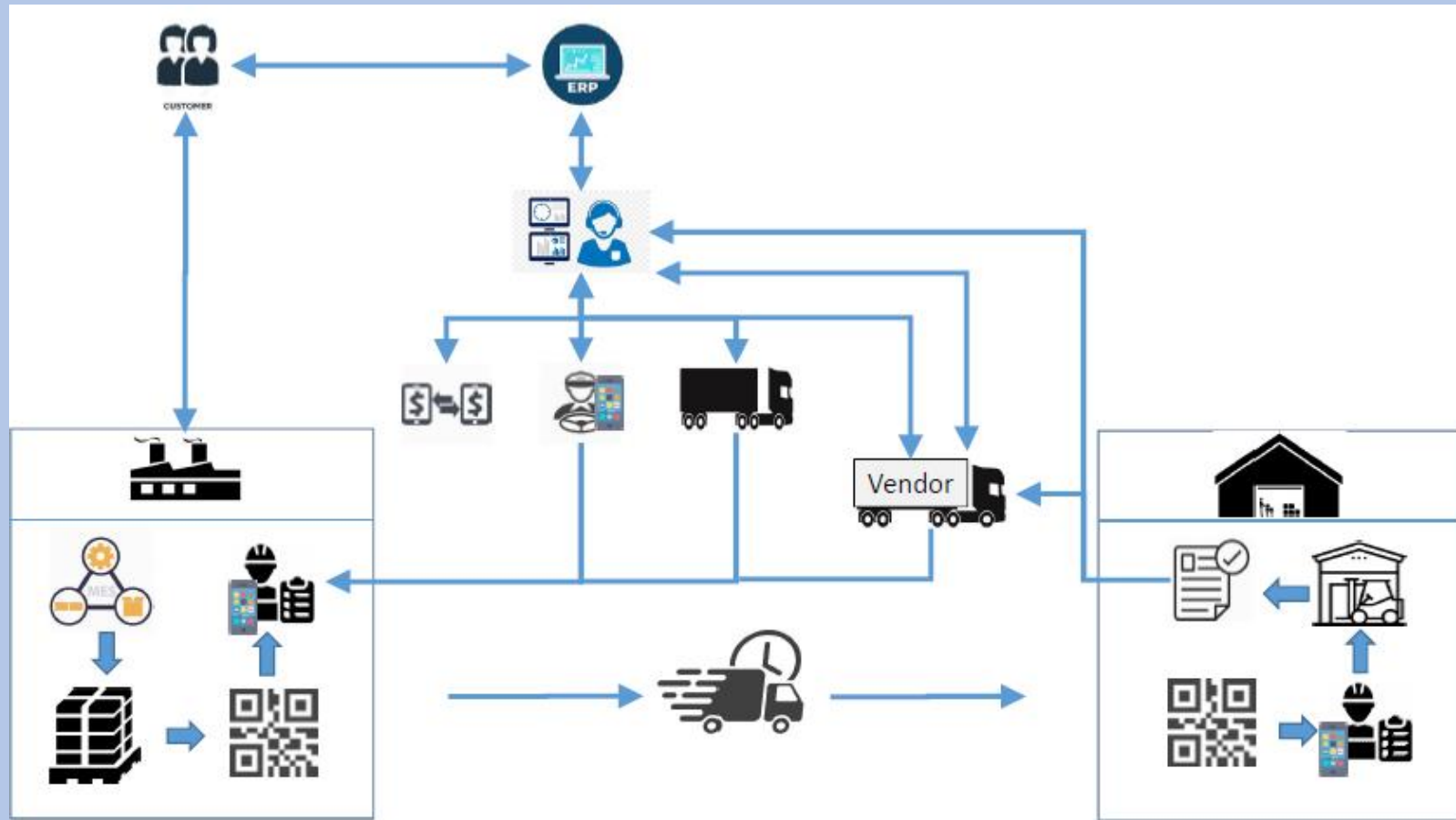
Digital Transformation



WHY KAL? -- OUR SUPPORT SYSTEM

"The Benefits you get is our concern"

Digital Transformation – Avatar Diagram Process



WHY KAL? -- PROVE

“The Benefits you get is our concern”

Achievement

1. Piagam Penghargaan Panitia Pembina K3 terbaik tingkat Provinsi Banten Tahun 2018 dari Gubernur Banten.
2. Piagam Penghargaan Perusahaan Nihil Kecelakaan Kerja tingkat Provinsi Banten Tahun 2018 dari Gubernur Banten.
3. Sertifikat “The Most Reputable Logistics Company Of The Year” Tahun 2019 pada Anugerah Citra Indonesia.
4. Award of Excellence for support in PTKP’s Record Breaking of Products Shipment Tahun 2019 dari Krakatau Posco.
5. Penghargaan Kecelakaan Nihil (Zero Accident Award) Tahun 2017 dari Kementrian Ketenagakerjaan Republik Indonesia.
6. Piagam Penghargaan Wajib Pajak Pembayaran Pajak Terbesar Tahun 2019 di Kantor Pelayanan Pajak Pratama Cilegon.
7. Sertifikat “The Best Reliable Logistics Company with Service Excellent of The Year” Tahun 2020 pada Indonesian Business Professional & Educational Award 2020.

File can be access here



KAL'S BUSINESS -- OUR WORK

"Good Systems for Your Satisfaction"

Our Core Business



PT. Krakatau Argo Logistics as a Logistic Industries is very dependent with Our Customer (Steel Industries), because logistic industries is derivative industries, which mean depend on product demand, in this pandemic, 5 main sector that mostly demand steel product decreased demand, so it affects our business

KRAKATAU posco

KP's Product Utilization in 5 sector



Ship Building



Construction



Heavy Vehicle Material

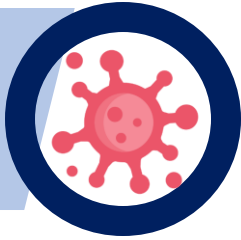


Mining



Automotive

COVID-19 IMPACT



**HOW KAL
FACING NEW
NORMAL**



NEW NORMAL



ABOUT KAL



HOW KAL FACING NEW NORMAL

“Covid Mitigation Concept”



HOW KAL FACING NEW NORMAL

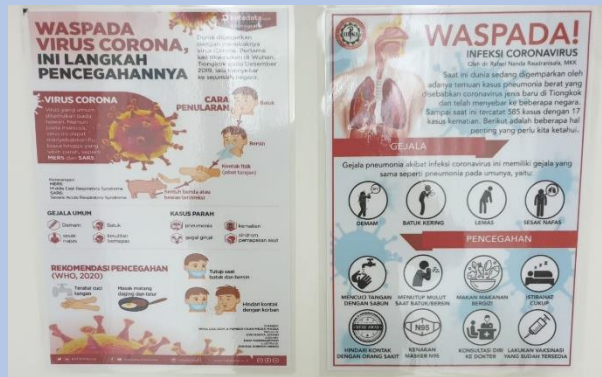
“Form TFT Covid-19 KAL”



HOW KAL FACING NEW NORMAL

“Cultural Change”

1. Sosialisasi Pencegahan Covid-19 bagi seluruh karyawan



2. Melarang Perjalanan Dinas ke semua area



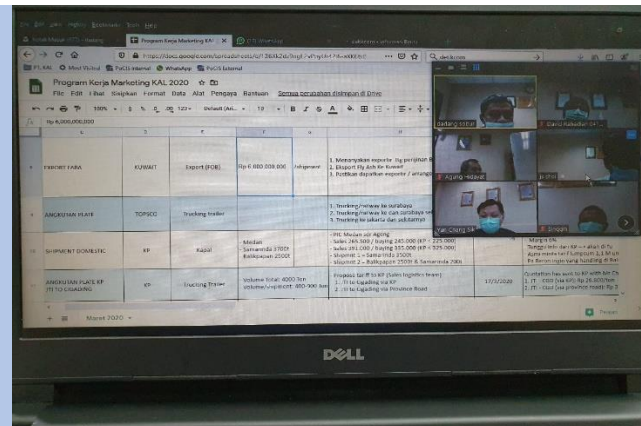
3. Pemeriksaan kesehatan (suhu badan dan tekanan darah)



4. Pelatihan dan Persiapan WFH, termasuk penyesuaian prosedur internal



5. Pelaksanaan WFH bagi seluruh karyawan Non Shift Non Operasional dan karyawan berisiko tinggi



6. Pembacaan Ikrar pencegahan COVID dan Pola Hidup Bersih Sehat



HOW KAL FACING NEW NORMAL

“Cultural Change”

7. Pembagian Masker dan Hand Sanitizer



8. Melengkapi Dispenser Sabun di Musholla, Locker dan Area Kerja



9. Instalasi dan Report Peduli Lindungi



10. Implementasi Apps Absensi & Pemantauan Risiko Covid Online

06:18 99%

docs.google.com/forms/d/...

FORM ABSENSI PT. KAL

Form ini berfungsi sebagai pengganti mesin finger print untuk sementara waktu. Silahkan isi form dibawah dengan benar.

* Wajib

Nama Lengkap *

11. Pemantauan dan Absensi dan Monitoring Diri dan Keluarga

Timestamp	IF Nama Lengkap	NK	IF Dina De IT Jena Absen	Status	IF Berapa	Apaiah	Apaiah	Apaiah Anda Rut	Apaiah	Apaiah	Apaiah	Dimana lokasi terakhir	Dimana lokasi terakhir
4-1-2020 6:16:03 Andar Subhan	303 Feme Almy Absen Masuk	Shit	2 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:19:08 Mahyudin	324 Feme Almy Absen Masuk	Shit	1 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:21:09 Rahmatullah	313 Feme Almy Absen Masuk	Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:25:11 ASDIA, A.D	388 Feme Almy Absen Masuk	Shit	1 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:26:56 AGUS BAHYAR	306 Feme Almy Absen Masuk	Shit	2 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:36:38 Inayat	307 Feme Almy Absen Masuk	Shit	2 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:38:26 Ima Setiawan	304 Feme Almy Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 6:41:06 Ulay	305 Feme Almy Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:03:22 Samuli	323 Feme Almy Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:10:39 Anggi Wiguna Pratama	301 Feme Almy Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:28:09 Munawar	312 Feme Almy Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:55:34 Munawar	312 Feme Almy Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:03:07 Kurnia yandawati	8606 Maintenance Absen Masuk	Non-Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:04:34 Kurnia yandawati	8606 Maintenance Absen Masuk	Non-Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:28:29 Agneta Subianta	8269 Maintenance Absen Masuk	Non-Shit	6 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:37:17 IT EEF	7164 Maintenance Absen Masuk	Non-Shit	2 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:43:39 Dwi nurcahyo	9164 Maintenance Absen Masuk	Non-Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:47:18 Tiara and Isyandra	9164 Maintenance Absen Masuk	Non-Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:51:33 Arjanto	9255 Maintenance Absen Masuk	Non-Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 7:51:51 Supriyanto	9164 Maintenance Absen Masuk	Non-Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:52:48 Supriyanto	9196 Stewarding Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:52:27 Achmad Achdiah	9216 Stewarding Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:52:08 Ulay yandawati	9216 Stewarding Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:57:43 Dwi Nurcahyo	9164 Stewarding Absen Masuk	Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:52:53 Darnaldi	9216 Stewarding Absen Masuk	Shit	3 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 8:58:27 HUSRUL HANIF	9227 Stewarding Absen Masuk	Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 9:02:34 Agus satrio	9217 Stewarding Absen Masuk	Shit	5 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 9:07:15 Subhan	9217 Stewarding Absen Masuk	Shit	5 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 9:09:02 Ageng Sukianto	9115 Stewarding Absen Masuk	Non-Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah
4-1-2020 9:14:05 Agus satrio	9227 Stewarding Absen Masuk	Shit	4 Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Tidak	Rumah	Ramah

12. Aktifitas harian di bawah sinar matahari bagi karyawan WFO



HOW KAL FACING NEW NORMAL

“Cultural Change”

13. Tindak Lanjut pemanataan bagi Karyawan dan Keluarga yang terindikasi



14. Sosialisasi Cuci Tangan dengan Sabun. Gerakan 1.8.30



15. Spraying Cabin



16. Disinfeksi Office 1x sehari, dan Ruangn Workshop Tertutup



17. Briefing harian di bawah sinar matahari



18. Pemberian Suplemen Vitamin dan Susu bagi karyawan WFO



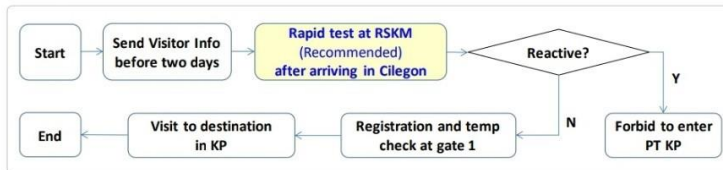
HOW KAL FACING NEW NORMAL

“Covid Mitigation Protocol”

New Security Process for Visitors

○ Non regular visitors(비정기 방문자)

- Purpose : Maintenance, Operation, Project Support, Inspection etc
- Submission : A result of Rapid test at visit(방문 시 신속진단 결과 제출)
- Flow process



○ Regular visitors(정기 방문자) *Over 2 times a month

- Purpose : Bank related works, Regular maintenance, Sampling etc
- Submission : A result of Rapid test by once a month(월 1회 신속진단 결과 제출)

New Protocol for Material Delivery

□ Regular Delivery of Solid & Chemical Material 정기적인 자재 및 화학물질 납품

- Arrival schedule should be arrange by Procurement Team to avoid crowded condition. 도착시간은 구매팀에서 혼잡한 상황을 피하도록 조정해야 합니다.
- Control weighing process, delivery document hand over without direct contact of person. 직접 접촉 없이 계량 프로세스 및 납품 문서를 전달하도록 관리 합니다.
- Drivers stay in vehicle and available hand sanitizer inside. 운전자는 차량에서 대기하고 손 세정제를 구비 합니다.
- Prohibit to walk around alone in plant area without control by plant PIC. 공장 담당자 통제 없이 공장지역 내 혼자 이동을 금지 합니다.
- No using employee toilet, canteen, and mosque, Use separate toilet. (Related department should provide it) 직원 화장실, 식당, 모스크 이용을 금지하고, 별도의 화장실을 이용합니다. (관련부서 별도 화장실 제공)
- Chemical loading and unloading should keep minimum 2m distance with people. 화학물질 적재 및 하역 작업은 사람들과 최소 2 미터 거리를 유지해야 합니다.



HOW KAL FACING NEW NORMAL

“High Risk Employee”



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High Risk Employees Protocol_General

General : conduct clean and healthy life behavior
공통사항 : 깨끗하고 건강한 삶을 유지합니다.

- Always use mask and maintain physical distancing of 2 meters with other people.
항상 마스크를 착용하고 다른 사람과 2m 사회적 거리를 유지합니다.
- Wash your hands with soap or handsanitizer as often as possible.
가능한 자주 비누로 손을 씻거나 손세정제를 사용합니다.
- Ensure the air circulation of the room runs well and comfortably (window/exhaust fan/air conditioner).
실내의 공기 순환이 원활하게 이루어 지도록 합니다.(창/배기팬/에어컨)
- Clean the house, personal equipment & toilet that has been used regularly (at least once a day with disinfectant).
주기적으로 집, 개인용품, 화장실 청소를 합니다.(하루 한 번 이상 방역)
- Ensure personal and family healthy, immediately check if you have symptoms of certain illness or fever more than 37,2°C and don't come to work.
개인과 가족의 건강을 유지하고, 체온이 37.2°C를 초과하거나 증상이 있다면 회사에 출근하지 않습니다.

High Risk Employees Protocol_Specific

① Employee stay in Red Zone areas 레드존 거주 직원

- Don't leave the house except go to the office or buy daily needs (outside of rush hour and take away).
회사 출근이나 생필품 구매 이외에는 집을 떠나지 않습니다.(출퇴근 시간 외)
종교활동은 집에서만 합니다.
- Avoid using public transportation. If not possible, only use public transportation with vehicle capacity not more than 50%.
대중교통 이용을 자제 합니다. 불가피할 경우, 차량 정원의 50% 이내에서 탑승 합니다.
- Priority to use telemedicine with KP Clinic(0254-369893) before go to hospitals.
병원에 가기 전에 KP 클리닉(0254-369893)과 원격진료를 우선 실시합니다.

② Family working in medical facility 의료시설 근무 가족

- Maintain physical distance of 2 meters from the concerned family members.
해당가족과 2m 거리를 유지합니다.
- Always wear a mask when interacting with the concerned family member.
해당가족과 대화 할 때는 항상 마스크를 착용합니다.
- Using separate personal equipment, bedroom & bathroom with the concerned family members. Use it interchangeably If there is only one bathroom.
해당가족과는 별도의 개인용품, 침실 및 욕실을 사용합니다. 욕실이 하나 뿐인 경우 교대로 사용합니다.
- Shower immediately after arrived at home.
집에 도착하자마자 샤워를 합니다.
- Better to change the clothes/uniform immediately after arriving, in a closed and separate container with the concerned family members.
집에 도착하자마자 옷/근무복을 갈아 입는 것이 좋습니다. 해당가족과는 별도의 밀폐된 용기에 세탁물을 보관합니다.

FORM SCREENING MANDIRI KARYAWAN PT. KAL

Isilah daftar pertanyaan dibawah ini dengan sebenar-benarnya

* Wajib

KRAKATAU ARGO LOGISTICS
YOUR LOGISTICS PARTNER

Nama Lengkap *



HOW KAL FACING NEW NORMAL

“Work Improvement”

Perbaikan Lingkungan Kerja Berdasarkan 5S PT.KP Pertengahan 2020

20. 6. 8
PT.KP Environment Department

Latar Belakang

- Pada situasi COVID-19 yang berdampak pada perekonomian ini, perbaikan lingkungan kerja berdasarkan 5S yang diikuti seluruh karyawan berpotensi meningkatkan finansial menuju transisi New Normal

[Definisi 5S]

1. Sort : sortir item yang dibutuhkan dan tidak dibutuhkan
2. Set in Order : siapkan item yang dibutuhkan dalam kondisi siap pakai
3. Shine : bersihkan area kerja yang kotor
4. Standardize : jaga area kerja dalam kondisi bersih
5. Sustain : terapkan kebiasaan 4S dan jaga yang telah ditetapkan



Tinjauan Kegiatan Perbaikan Lingkungan Kerja

- Target / Periode : **Seluruh departemen PT.KP dan partner company / 6.15~26, 2minggu**
- Konsep dan Praktek : **Menerapkan perbaikan lingkungan kerja berdasarkan 5S**
 - 5S : [Divisi Office] Office (termasuk fasilitas), alat kantor, dokumen
 - [Divisi Plant] Plant, Fasilitas/Peralatan, Material/Komponen/Dokumen, Peralatan Safety, dll
 - Praktek kegiatan : Seluruh area dalam kantor dan fasilitas bersama *termasuk perbaikan/penggantian alat kantor seperti kabinet, dll
- Pengecekan : **pengecekan on site oleh manajer produksi (6.29~30, 2hari)** * dapat dijadwalkan, notice sebelum cek
 - Note : penjelasan foto perbaikan before after (tempat dan arah pemotretan yang sama)

➔ Melalui 5S dengan menghilangkan inefisiensi kegiatan, mari ciptakan lingkungan kerja aman dan efisien

CONTINGENCY PLAN TERJANGKIT VIRUS COVID 19. PT. KRAKATAU ARGO LOGISTICS



NO	MAN POWER	PENYESUAIAN KERJA (KARANTIA)	SOP/ TINDAKAN YANG DILAKUKAN
1	< 25 %	3 Grup 2 Shift (1 Grup di karantina)	1 Grup di karantina kegiatan normal. 3 Grup akan di ubah jadwal kerjanya, yaitu di bagi menjadi 2 shift (12 jam). a. Pagi (07.00-19.00) selama 3 hari. b. Malam (19.00-07.00) selama 3 hari. c. 3 hari libur.
2	25% - 50%	2 Grup 2 Shift (2 Grup di karantina)	- Jika 2 grup di karantina, maka jumlah personel yang aktif 2 Grup (total 20 orang) akan di bagi untuk menjadi 1 grup shift (2 Inspector, 2 E/T, 2 R/S) total 3 grup. - Dan kegiatan jadwal kerjanya akan tetap menjadi 12 shift (12 jam). - Supervisor yang mengisi grup yang kosong adalah Manager Operational/ General Manager.
3	> 50 %	2 Grup 2 Shift (3 Grup di karantina)	- Jika 3 grup dikarantina, maka PT. KAL membuat 1 grup shift lagi dari beberapa Divisi lain/ karyawan yang sudah mengerti tentang pekerjaan di ISY. 2 Inspector (bisa dari Marking & Cutting), 2 E/T (bisa dari Driver Trailer), 2 R/S (bisa dari Maintenance). - Jadwal shift akan dilakuka 2 shift (12 jam) dan tidak ada libur selama masa karantina berakhir.

*** Catatan :** Apabila yang terkontaminasi Operator Alat Berat Elevator Truck atau Reach Stacker, maka alat tersebut di netralkan dengan di semprotkan cairan *Disinfectan* dan tidak di gunakan selama 24 jam.



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