

KEMENTERIAN TENAGA, SAINS, TEKNOLOGI, ALAM SEKITAR DAN PERUBAHAN IKLIM

Bil	Berita	Media	Capaian Berita Penuh
1.	<u>Call to embrace low-carbon, development approaches</u> In 2011, the energy, green technology and water ministry (now known as the Energy, Technology, Science, Climate Change and Environment Ministry) introduced the Low Carbon Cities Framework (LCCF) to guide local authorities and developers in making decisions on greener solutions.	New Straits Times	Klik pada tajuk berita
2.	<u>Pasukan khas PDRM, AELB kesan RDD hilang</u> Polis Diraja Malaysia (PDRM) dan Lembaga Pelesenan Tenaga Atom (AELB) sudah menggerakkan pasukan khas bagi mengesan sebuah Alat Radiografi Perindustrian (RDD) yang dilaporkan hilang sejak 10 Ogos lalu.	Berita Harian	Rujuk lampiran 1 atau klik pada tajuk berita
3.	<u>Team set up to locate missing rod</u> The Police and Atomic Energy Licensing Board (AELB) have activated a team to locate a 23 kg Radioactive Dispersal Device (RDD), which has been missing since 10 Aug.	New Straits Times	Rujuk lampiran 2
4.	<u>Radioactive device may still be in S'gor</u> "We are also being assisted by the Atomic Energy Licensing Board in our search,"he told reporters during a Hari Raya Haji celebration at the Selangor police headquarters here yesterday.	The Star	Rujuk lampiran 3

TEMPATAN

Bil	Berita	Media	Capaian Berita Penuh
5.	<u>'Stolen device may cause radiation over 1.3 sq km if forced open'</u> An area as large as 1.3 sq km could be exposed to dangerous and mutagenic radiation if a stolen radioactive dispersal device (RDD) is unsheathed in the open, said a metallurgy expert.	Malay Mail	Rujuk lampiran 4
6.	<u>Malakoff catat untung RM63.62 juta</u> Keuntungan bersih Malakoff Corporation Bhd susut kepada RM63.62 juta dalam suku kedua berakhir 30 Jun 2018, berbanding RM116.84 juta yang direkodkan dalam tempoh yang sama tahun lalu.	Berita Harian	Klik pada tajuk berita
7.	<u>Musibah 5.30 pagi</u> Ribuan penduduk di beberapa kampung di pulau peranginan ini gempar susulan kejadian ribut yang meranapkan bumbung kediaman dan banjir kilat yang berlaku awal pagi semalam.	Harian Metro	Rujuk lampiran 5
8.	<u>FMM cadang wujud Dana Industri 4.0 dan Automasi</u> "Kami mencadangkan levi ini dimasukkan ke dalam satu dana dikenali Dana Industri 4.0 dan Automasi, yang mana pengilang boleh membuat tuntutan semula levi ini bagi automasi.	Berita Harian	Rujuk lampiran 6
9.	<u>Sistem janakuasa elektrik lemah jejas bekalan air penduduk</u> "Bagaimanapun sejak peralihan kerajaan pusat yang baru pada 9 Mei lalu, peruntukan terbabit ditahan dahulu bagi melihat semula keperluan semasanya", katanya ketika ditemui pada Majlis Korban Aidiladha 2018 Peringkat Ketua Bahagian UMNO Kangar di kediaman rasminya di sini, semalam.	Harian Metro	Rujuk lampiran 7

ANTARABANGSA

Bil	Berita	Media	Capaian Berita Penuh
10.	<u>Strong typhoon barrels towards western Japan</u> A strong typhoon hurtled towards western Japan on Thursday, with forecasters warning of heavy rains and landslides, including in areas hit by deadly flooding last month.	Malay Mail	Rujuk lampiran 8
11.	<u>European wind survey satellite launched</u> A new satellite that will use advanced laser technology to track global winds and improve weather forecasts has been successfully put into orbit, launch company Arianespace said.	The Star	Rujuk lampiran 9
12.	<u>Makin berpanas</u> Kualiti udara di Pontianak, Kalimantan Barat, Indonesia, semakin buruk akibat kebakaran hutan, ladang dan tanah gambut sejak sebulan lalu, memaksa kerajaan menutup sekolah.	Harian Metro	Rujuk lampiran 10
13.	<u>Asteroid besar bakal lintas, hampir Bumi</u> Sebuah asteroid besar yang dianggarkan berukuran dua kali ganda daripada saiz pesawat Boeing 747 bakal melintas dan menghampiri Bumi, minggu depan.	Utusan Malaysia	Rujuk lampiran 11
14.	<u>World Bank launches blockchain bond</u> The World Bank has priced the world's first public bond created and managed using only blockchain in a A\$100 million (\$73.16 million) deal designed to test how the technology might improve decades-old bond sales practices.	New Straits Times	Rujuk lampiran 12
15.	<u>People pose a problem to self-driving cars</u> That is essentially the argument some self-driving car boosters have fallen back on in the months after the first pedestrian death attributed to an autonomous vehicle and amid growing concerns that artificial intelligence capable of real-world driving is further away than many predicted just a few years ago.	The Star	Rujuk lampiran 13

16.	<u>Mampukah ekonomi internet menjadi RM800 bilion pada 2025?</u> Asia Tenggara mempunyai lebih daripada 330 juta pengguna internet dan ramai penyelidik ekonomi berpendapat bahawa sektor e-dagang di rantau ini sekarang berada di landasan untuk menjadi industri utama pada tahun-tahun mendatang.	Utusan Malaysia	Rujuk lampiran 14
17.	<u>AI And Automation In The Cloud -- Seizing The Moment For Digital Transformation</u> There can be little doubt that digital disruption is upon us on a large scale. Entire industries and their business models, as well as society at large are being transformed by the impact of digital technologies.	Forbes	Klik pada tajuk berita
18.	<u>How Wildfires Can Affect Climate Change (and Vice Versa)</u> The extreme wildfires sweeping across parts of North America, Europe and Siberia this year are not only wreaking local damage and sending choking smoke downwind.	Inside Climate News	Klik pada tajuk berita
19.	<u>Climate Change Has Already Hit Home Prices, Led by Jersey Shore</u> Sea-level rise is already hitting home prices along the Atlantic Coast, new data shows -- and nowhere harder than the tiny New Jersey town of Ocean City.	Bloomberg	Klik pada tajuk berita
20.	<u>NASA Chief Wants to Send Humans to the Moon — 'To Stay'</u> Jim Bridenstine wants to make sure that there is never another day when humans are not in space. "In fact," the NASA administrator said, "we want lots of humans in space."	Space.com	Klik pada tajuk berita
21.	<u>Swedish city goes green, sets example for policymakers</u> Ringed by forests in southern Sweden, the city of Vaxjo is thriving even as it cuts greenhouse gas emissions at rates more typical of economic crashes in recessions or wars.	The Weather Network	Klik pada tajuk berita

LAMPIRAN 1
BERITA HARIAN (ISU): MUKA SURAT 22
TARIKH: 24 OGOS 2018 (JUMAAT)



PDRM, AELB gerak pasukan khas kesan RDD hilang

Shah Alam: Polis Diraja Malaysia (PDRM) dan Lembaga Pelesenan Tenaga Atom (AELB) sudah menggerakkan satu pasukan khas bagi mengesan satu Alat Radiografi Perindustrian (RDD) yang dilaporkan hilang sejak 10 Ogos lalu.

Pasukan ditugaskan 24 jam itu antaranya menumpukan kepada pencarian alat mengandungi isotop radioaktif iaitu Iridium 192 berkenaan.

Ketua Polis Selangor, Datuk Mazlan Mansor, berkata pihaknya setakat ini belum memperoleh petunjuk baharu bagi membantu siasatan kes itu.

"Bagaimanapun, pasukan kita sudah bergerak dengan AELB untuk mengesan RDD itu dan kerjasama berkenaan dilaksanakan selama 24 jam.

Belum terima maklumat

"Sehingga kini, kita juga belum menerima sebarang maklumat mengenai kemungkinan alat itu sudah dibawa keluar dari Selangor," katanya pada sidang media selepas program Ibadah Korban Perdana Peringkat Kontinjen Selangor di Surau Khalid Al-Walid,

Ibu Pejabat Polis Kontinjen (IPK) negeri di sini, semalam.

Yang hadir sama, Canselor Universiti MAHSA, Tun Zaki Azmi dan Ketua Pegawai Penyelaras Lembaga Zakat Selangor (LZS), Abdul Basith Hamid.

Pada program anjuran bersama Universiti MAHSA, LZS dan Media Prima Berhad (MPB) itu, sebanyak 21 lembu dan 21 kambing dikorbankan untuk diagihkan kepada 80 asnaf dan mualaf serta kariah kawasan berkenaan.

NSRP sebelum ini melaporkan RDD yang dibimbangi disalah guna

termasuk oleh penganas bagi membuat bom itu dilaporkan hilang.

Difahamkan, RDD itu hilang sejak 10 Ogos lalu selepas dipindahkan pada jam 2 pagi dari Seremban ke Shah Alam oleh dua kakitangan syarikat yang mengendalikan perkhidmatan ujian, kalibrasi dan pemeriksaan membabitkan industri gas dan minyak, termasuk kilang jana kuasa, pembuatan, automotif serta pengangkutan.

Pencarian peralatan yang berupa aktif 73 hari dan memancarkan radiasi Beta serta Gamma itu, giat dilaksanakan polis dan AELB.

Kebimbangan utama kedua-dua pihak ialah jika ia jatuh ke tangan pihak tidak sepatutnya seperti penganas atau orang awam yang mungkin melihatnya sebagai besi terpakai bagi dijual mendapatkan wang.

Peralatan dianggarkan bernilai RM75,000 di pasaran dan mengandungi Iridium 192 itu adalah isotop radioaktif komersial paling kerap dicuri serta berpotensi disalah guna untuk membuat bom.

Pihak berkuasa belum dapat mengenal pasti motif kehilangan RDD itu sama ada berkaitan jenayah terancang atau keganasan.

LAMPIRAN 2
NEW STRAITS TIMES (NEWS/ NATION): MUKA SURAT 4
TARIKH: 24 OGOS 2018 (JUMAAT)

RADIOACTIVE DISPERSAL DEVICE

TEAM SET UP TO LOCATE MISSING RDD

No new leads on device's whereabouts, says Selangor police chief

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THE police and Atomic Energy Licensing Board (AELB) have activated a team to locate a 23kg Radioactive Dispersal Device (RDD), which has been missing

since Aug 10.

The team will work round the clock and one of its main focus is on the search for the RDD, an industrial radiography equipment, which contains isotope Iridium-192, and emits beta and gamma radiation as it decays during its estimated half life of 73 days.

Selangor police chief Datuk Mazlan Mansor (fourth from left) distributing 'korban' meat to Muslims during the Selangor police contingent level Ibadah Qurban Perdana programme at Surau Khalid Al-Walid in Shah Alam yesterday. PIC BY ROSLIN MAT TAHIR

Selangor police chief Datuk Mazlan Mansor said his men had yet to obtain new leads.

"We have yet to receive any information that would point to the possibility of the device being taken out of Selangor," said Mazlan after the Selangor police contingent level Ibadah Qurban Perdana programme at Surau Khalid Al-Walid here yesterday.

Present were Mahsa University Chancellor Tun Zaki Azmi and Lembaga Zakat Selangor (LZS)

chief coordinating officer Abdul Basith Hamid.

The programme was jointly organised by Mahsa University, LZS and Media Prima Bhd.

Forty-two cows and goats were sacrificed and distributed to 80 poor people, Muslim converts and the community.

The RDD was discovered missing on Aug 10 at 3am by two technicians of a company that owns industrial radiography equipment.

The two had loaded the device into a pick-up truck after completing a task in Seremban.

At 2am, they left for their office in Shah Alam, where upon arrival, they found the device missing.

Police and AELB feared that the device would fall into the hands of irresponsible parties, such as terrorists, or the public, who may see it as scrap metal that can be sold for money.



LAMPIRAN 3
THE STAR (NATION): MUKA SURAT 2
TARIKH: 24 OGOS 2018 (JUMAAT)

Radioactive device may still be in S'gor

No let-up in police hunt for missing item

SHAH ALAM: Police believe that the 23kg Radioactive Dispersal Device (RDD) that went missing from the back of a pick-up truck earlier this month may still be within Selangor.

State police chief Comm Datuk Mazlan Mansor said so far there was no indication that the RDD has been taken out of Selangor.

"We are working around the clock to locate the missing device.

"We are also being assisted by the Atomic Energy Licensing Board in our search," he told reporters during a Hari Raya Haji celebration at the Selangor police headquarters here yesterday.

An English daily had reported that the missing device was an industrial radiography device containing the radioactive isotope Iridium-192.

It is learnt that the device has a market value of about RM75,000.

Police fear that the RDD could be used to make a dirty bomb if it falls into the wrong hands.

Authorities are also worried that the RDD could cause massive radiation exposure if it is dismantled for scrap metal.

The device belongs to a private company that offers testing, calibration and inspection

We are also being assisted by the Atomic Energy Licensing Board in our search.

Comm Datuk Mazlan Mansor

services to heavy industries, including oil, gas and energy companies.

The RDD, which was used by two of the company's technicians for a job in Seremban, was loaded onto the back of their truck before they left for their office in Shah Alam.

The duo claimed that they did not stop on their journey and feared that the device could have fallen off their truck.

Watch the video
thestartv.com



LAMPIRAN 4
MALAY MAIL (TOP NEWS): MUKA SURAT 3
TARIKH: 24 OGOS 2018 (JUMAAT)

'Stolen device may cause radiation over 1.3 sq km if forced open'

By Reena Raj
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KUALA LUMPUR — An area as large as 1.3 sq km could be exposed to dangerous and mutagenic radiation if a stolen radioactive dispersal device (RDD) is unsheathed in the open, said a metallurgy expert.

Mandani Nondestructive Training Centre managing director Abd Nassir Ibrahim said that based on the active material contained in the 23kg RDD, unsupervised opening of the item would leave those in the area in danger of non-treatable exposure.

Based on an estimation that the contained isotope could have a strength of 1,750 gigaBecquerel (gBp), which denotes the activity of the radiation upon exposure, improper excision in an urban centre could expose an area of about 660 sq km.

The exposure will be less if the device is opened indoors, but will be magnified if this is done in a completely open region.

"If the source is somewhere around a highway and naked, the affected area will have a 660m radius or 1.32km area centred at the source," he predicted.

However, the strength of the radiation from the device could be as high as 3,000 gBp. For comparison, a modern nuclear warhead emits around 15,000 gBp upon impact, according to the *Nuclear Disaster* book by Alex Wolf.

Radioactive equipment and materials are particularly risky as there are no outward clues about their possible radiation risks, and unsuspecting scrap metal dealers or members of the public are unlikely to be able to identify their dangers.

"Those who are trained can recognise it, (but) to the layman, it may just be a heavy industry equipment that may be worth selling as scrap metal," Abd Nassir said.

With police having ruled out terrorism as a possible motive for the device's theft, the fear now is that it will simply be abandoned given the current high-profile of the incident.

Abd Nassir explained that the danger could then be if an unsuspecting person comes across the device and opts to open it out of curiosity.

"If this happens, it will pose a great danger to members of public," the metallurgist warned.

While declining to comment on the investigation, Abd Nassir said another danger of radiation exposure is that it can only be corroborated through blood tests, and even then, only when specific tests are applied.

Once detected, there may also not be a sure way to reverse or neutralise the radiation.

The RDD was reported stolen on Aug 10, after which police arrested two technicians at the company from which the device was stolen.

Both men were later released due to lack of evidence and investigations are ongoing.

LAMPIRAN 5 HARIAN METRO (SETEMPAT): MUKA SURAT 32 TARIKH: 24 OGOS 2018 (JUMAAT)



**Musibah
5.30 pagi**



KEADAAN jalan utama di Teluk Ewa yang runtuh akibat banjir menyebabkan ia terpaksa ditutup manakala gambar kecil, atap rumah penduduk diterbangkan dan dinaiki air.

Penduduk gempar ribut, banjir kilat ranap 20 atap rumah, kereta dihempap pokok

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Langkawi

Ribuan penduduk di beberapa kampung di pulau peranginan ini gempar susulan kejadian ribut yang meranapkan bumbung kediaman dan banjir kilat yang berlaku awal pagi semalam.

Dianggarkan lebih 20 rumah rosak dengan atap diterbangkan serta beberapa kereta dihempap pokok berikutan ribut sekitar jam 5.30 pagi semalam.

Pada masa sama, hujan lebat sejak petang kelmarin

mengakibatkan beberapa rumah penduduk dinaiki air dan jalan terpaksa ditutup bagi mengelakkan tragedi lebih buruk.

Tinjauan mendapati antara kampung yang teruk dilanda ribut adalah Kuala Teriang, Kuala Melaka, Lubuk Setol, Kubang Badak dan Teluk Yu di sini.

Beberapa rumah penduduk di Kampung Temonyong dan Teluk Yu pula dilaporkan dinaiki air sedalam 1.5 meter, selain jalan yang menghubungkan rumah kakitangan Lafarge Cement Sdn Bhd di Teluk Ewa gagal dilalui akibat banjir.

Jurucakap Pusat Gerakan Operasi Jabatan Bomba dan

Penyelamat Kedah berkata, pihaknya menerima panggilan kecemasan pada jam 5.33 pagi sebelum menghantar sepasukan anggota ke lokasi kejadian.

"Pihak kami menghantar dua jentera dari Balai Bomba dan Penyelamat (BBP) Langkawi dan satu jentera dari BBP Persiaran Putra ke lokasi untuk memberi bantuan kecemasan," katanya.

Sementara itu, Pegawai Angkatan Pertahanan Awam (APM) Daerah Langkawi, Lt (PA) Nalzatul Ashikin Nordin, berkata, anggota APM diarah membuat pemantauan kejadian banjir dan ribut yang membabitkan beberapa kampung itu.

159 dipindahkan ke pusat penempatan

Langkawi: Seramai 159 mangsa daripada 33 keluarga dipindahkan selepas kediaman mereka di sini, dinaiki air berikutan hujan lebat sejak petang kelmarin.

Antara kawasan terjejas ialah Kampung Temonyong, Kuala Teriang, Kuala Melaka, Kubang Badak dan Teluk Yu.

Kejadian itu mengakibatkan jalan menghubungkan

rumah kakitangan Lafarge Cement Sdn Bhd di Teluk Ewa terputus.

Ketua Polis Daerah Langkawi Superintendan Mohd Iqbal Ibrahim berkata, mangsa dipindahkan ke pusat penempatan sementara di Sekolah Kebangsaan Kuala Teriang.

"Bilik Gerakan Bencana (BGB) dibuka di Pejabat Daerah Langkawi untuk

menyelaras kerja penyelamat," katanya.

Ketua Operasi Balai Bomba dan Penyelamat Persiaran Putra Pegawai Bomba Kanan II Mohd Faizal Che Me berkata, pihaknya menghubungi Tenaga Nasional Berhad (TNB) untuk memutuskan bekalan elektrik kerana banyak tiang elektrik di kampung berkenaan rosak.

LAMPIRAN 6
BERITA HARIAN (BISNES): MUKA SURAT 30
TARIKH: 24 OGOS 2018 (JUMAAT)

FMM cadang wujud Dana Industri 4.0 dan Automasi

Persekutuan Pengilang-Pengilang Malaysia (FMM) mencadangkan Dana Industri 4.0 dan Automasi ditubuhkan bagi meningkatkan penggunaan automasi dalam kalangan pengilang di negara ini.

Presiden FMM, Datuk Soh Thian Lai, berkata pihaknya mencadangkan pembayaran levi pekerja asing dimasukkan dalam dana itu bagi membolehkan pengilang mengunakannya untuk automasi.

Beliau berkata, secara kolektif, lebih RM2 bilion dikutip kerajaan setahun bagi pembayaran levi buruh asing.

"Kami mencadangkan levi ini dimasukkan ke dalam satu dana

dikenali Dana Industri 4.0 dan Automasi, yang mana pengilang boleh membuat tuntutan semula levi ini bagi automasi.

"Ini secara tidak langsung akan mengurangkan kebergantungan kepada buruh asing," kata pada sidang media mengumumkan hasil Kaji Selidik Persekitaran Perniagaan FMM-MIER (FMM-MIER BCI) Separuh Pertama 2018, di Kuala Lumpur, semalam.

Dalam kaji selidik itu, Thian Lai berkata, majoriti responden menyokong gaji minimum yang tinggi.

Beliau berkata, pihaknya berharap kerajaan semasa menepati janjinya untuk berkongsi 50

peratus kenaikan gaji minimum dengan majikan.

Jika kerajaan menunaikan janjinya itu, 84 peratus responden Kaji Selidik FMM-MIER BCI itu bersetuju gaji minimum akan meningkat bermula 2019.

Di samping itu, Thian Lai berkata, FMM juga menyeru kerajaan semasa supaya memastikan majikan mengasingkan gaji minimum asas dengan insentif dan elaun berdasarkan prestasi.

Beliau berkata, pihaknya berharap kerajaan bersikap adil dan jelas membetulkan definisi gaji minimum.

"Kami tidak membantah, apa yang kami mahukan adalah gaji

minimum berkaitan produktiviti," katanya.

Hargai tindakan telus kerajaan

Sementara itu, Thian Lai berkata, FMM juga meminta Kerajaan Persekutuan berkongsi pelan tindakan yang jelas terhadap bayaran balik Cukai Barang dan Perkhidmatan (GST) bagi memastikan syarikat yang terjejas boleh membuat tuntutan.

Beliau berkata, pihaknya menghargai tindakan telus kerajaan dalam mendedahkan bayaran balik GST yang belum dibuat kerajaan terdahulu.

Katanya, pihaknya menda-

pati kira-kira 100 ahlinya terkesan dengan bayaran balik GST yang belum dibuat itu berjumlah RM245 juta.

"Jika kami mengambil kira kesemua ahli kami, ia mungkin melebihi RM1 bilion," katanya, sambil menambah bahawa FMM mempunyai kira-kira 3,000 ahli.

Dalam perkembangan lain, Thian Lai berkata, FMM juga akan melancarkan kempen "Sayang Malaysia, Belia Buatan Malaysia" di seluruh negara bagi meningkatkan penggunaan domestik produk buatan tempatan dan meningkatkan jualan eksport terutama syarikat kecil dan sederhana (PKS).

LAMPIRAN 7
HARIAN METRO (SETEMPAT): MUKA SURAT 50
TARIKH: 24 OGOS 2018 (JUMAAT)

Sistem janakuasa elektrik yang lemah dan tidak stabil dikenal pasti punca utama bekalan air di beberapa kawasan di negeri ini terjejas sehingga menyukarkan penduduk.

Menteri Besar Datuk Seri Azlan Man berkata, selain itu faktor pam air lama dan sering rosak turut memberi kesan kepada aliran air tidak lancar di negeri ini.

“Sebelum ini, pada 2017 kita sudah mendapat peruntukan RM90 juta daripada kerajaan Pusat terdahulu untuk menukarkan pam air yang lebih terkini dan sistematik.

“Bagaimanapun sejak peralihan kerajaan Pusat yang baru pada 9 Mei lalu, peruntukan terbabit ditahan dahulu bagi melihat semula keperluan semasanya,” katanya ketika ditemui pada Majlis Korban Aidiladha 2018 Peringkat Ketua Bahagian UMNO Kangar di kediaman rasminya di sini, semalam.

Antara kawasan terjejas

Kangar

Sistem janakuasa elektrik lemah jejas bekalan air penduduk



AZLAN (tiga dari kanan) membantu menyediakan jamuan tengah hari di kediaman rasminya pada Majlis Korban Aidiladha.

teruk dan menghadapi masalah bekalan air ialah kawasan Chuping, Kuala Perlis dan Arau.

Terdahulu, pada majlis itu, tujuh ekor lembu dikorbankan untuk diagihkan kepada fakir miskin terpilih di sekitar

negeri ini.

Azlan berkata, pihaknya sudah berunding dengan kerajaan Pusat bagi menilai semula peruntukan berkenaan memandangkan bekalan air yang sangat terhad dihadapi rakyat Perlis ketika ini.

LAMPIRAN 8
MALAY MAIL (WORLD): MUKA SURAT 16
TARIKH: 24 OGOS 2018 (JUMAAT)

Strong typhoon barrels towards western Japan

TOKYO — A strong typhoon hurtled towards western Japan yesterday, with forecasters warning of heavy rains and landslides, including in areas hit by deadly flooding last month.

“Please be on high alert and take every necessary measure,” Prime Minister Shinzo Abe told cabinet members and officials at a meeting on storm preparedness.

He urged local governments to issue evacuation orders and take other necessary measures “without fear”.

Typhoon Cimaron is packing maximum gusts of 216km per hour, Japan’s Meteorological Agency said.

It was about 260km southeast of Ashizuri — on the coast of Shikoku island — in western Japan on Wednesday, the agency added.

The typhoon was expected to make landfall late yesterday and head north through this morning, bringing intensifying wind and rain.

“Please remain vigilant for landslides, inundation of low ground, flooding of rivers, storms, and high and tidal waves,” the weather agency said.

Meteorological agency chief forecaster Ryuta Kurora warned the typhoon could bring “multiple hazardous phenomena” such as violent wind and high tides “simultaneously at night”.

“Please evacuate early,” he said at a press conference.

Some parts of central Japan could see up to 80cm of rain in the 24 hours to noon today, the agency said.

The areas at risk include parts of the country still recovering from flooding and landslides caused by record rains in July that killed over 200 people.

Several cities and towns started to issue evacuation advisories, with television footage showing residents of Okayama, one of areas worst hit by last month’s deadly flooding, working to pile up sandbags.

Some trains have suspended operations and more than 100 flights were cancelled, most of them domestic routes, reports said.

The approach of Cimaron comes as Typhoon Soulik was already bringing heavy rain to parts of the main southern island of Kyushu. — AFP

LAMPIRAN 9
THE STAR (WORLD): MUKA SURAT 44
TARIKH: 24 OGOS 2018 (JUMAAT)

European wind survey satellite launched

KOUROU (French Guiana): A new satellite that will use advanced laser technology to track global winds and improve weather forecasts has been successfully put into orbit, launch company Arianespace said.

The Aeolus satellite – named after the guardian of wind in Greek mythology – was launched at 2120 GMT on Wednesday, after a 24-hour delay due to adverse weather.

Arianespace's light-lift vehicle "Vega" lofted its passenger during a flight lasting just under 55 minutes, with Aeolus placed into a sun-synchronous orbit," the company said.

Sun-synchronous orbits allow satellites to always have a view of the sun so that their solar panels can always draw power.

The satellite "will probe the lowermost 30km of the atmosphere in measuring winds around the Earth," Arianespace said.

Aeolus is part of the Copernicus project, a joint initiative of the European Union and the European Space Agency to track environmental damage and aid disaster relief operations.

The satellite is equipped with a single instrument: a Doppler wind lidar, an advanced laser system designed to accurately measure global wind patterns from space.

Arianespace described the satellite as the world's first space mission to gather information on Earth's wind on a global scale. — AFP

LAMPIRAN 10

HARIAN METRO (GLOBAL): MUKA SURAT 70

TARIKH: 24 OGOS 2018 (JUMAAT)

Makin berpanas

■ Dua mati akibat
kebakaran hutan, kualiti
udara semakin buruk

Agensi
Pontianak

Kualiti udara di Pontianak, Kalimantan Barat, Indonesia, semakin buruk akibat kebakaran hutan, ladang dan tanah gambut sejak sebulan lalu, memaksa kerajaan menutup sekolah.

Sekolah menengah kembali dibuka semalam, selepas ditutup sejak Isnin lalu, namun jumlah pelajar yang ke sekolah hanya 30 peratus kerana jerebu masih tebal. Sekolah rendah dan tadika

masih ditutup sehingga Isnin depan.

Portal berita Kompas melaporkan, pihak sekolah menunggu keputusan jabatan pendidikan sama ada sekolah menengah akan terus dibuka atau kembali ditutup.

Media Indonesia, melaporkan sehingga kini dua maut akibat kebakaran hutan itu dengan kedua-dua mangsa mati terburuk di ladang masing-masing.

Tribun News melaporkan, mangsa terbaru lelaki berusia 69 tahun yang mayatnya ditemui dalam keadaan rentung di ladangnya di Ke-

FAKTA
Jumlah pelajar yang ke sekolah hanya 30 peratus



KEADAAN jerebu yang menyelubungi bandar Pontianak. - lisan Kompas

tungau Tenga, Isnin lalu.

Menurut Kompas, jarak pandangan di bandar Pontianak hanya sekitar 200

hingga 300 meter dengan ramai penduduk memakai topeng hidung.

Jumlah titik panas yang di-

kesan ialah 331, menurun berbanding hampir 1,100 yang dikesan pada 16 Ogos. Jerebu juga menjejaskan

penerbangan di Lapangan Terbang Antarabangsa Supadio menyebabkan ada penerbangan tertunda.

LAMPIRAN 11
UTUSAN MALAYSIA (LUAR NEGARA): MUKA SURAT 10
TARIKH: 24 OGOS 2018 (JUMAAT)

Berukuran dua kali ganda saiz pesawat Boeing 747

Asteroid besar bakal lintas, hampir Bumi

■ LONDON 23 OGOS

SEBUAH asteroid besar yang dianggarkan berukuran dua kali ganda daripada saiz pesawat Boeing 747 bakal melintas dan menghampiri Bumi, minggu depan.

Mail Online melaporkan, asteroid dinamakan 2016 NF23 dijangka melintasi Bumi pada 29 Ogos sekitar jarak lebih 4.8 juta kilometer atau 13 kali ganda

jarak antara Bumi dan Bulan.

Batuan angkasa besar itu bergerak pada kelajuan lebih 32,400 kilometer sejam dan dianggap sebagai objek berbahaya memandangkan jarak asteroid berkenaan namun laluan asteroid itu akan membolehkannya meluncur pada jarak selamat pada awal September.

Menurut Pentadbiran Aeronautik dan Angkasa Lepas Kebangsaan (NASA), asteroid

2016 NF23 dianggarkan mempunyai lebar 70 hingga 160 meter yang bersamaan panjang sebuah Boeing 747.

Pada ukuran 160 meter, asteroid itu lebih tinggi daripada Piramid Agung Giza di Mesir yang hanya berukuran 138 meter.

Batuan angkasa dikategorikan dalam kumpulan 'Athens' yang dinamakan sempena asteroid 1862 Athens.

Gambar rajah daripada Makmal Pendorongan Jet NASA menunjukkan orbit batuan itu bersilang dengan Bumi dan asteroid semakin dekat dengan planet manusia itu dalam beberapa hari menjelang 29 Ogos, pada hari asteroid mencapai titik paling dekat.

Ketika ini, asteroid itu berada kira-kira .03 unit astronomi (au) atau kira-kira 4.8 juta kilometer dari Bumi.

LAKARAN artis mengenai asteroid 2016 NF23 yang dijangka melintasi Bumi pada 29 Ogos ini pada jarak lebih 4.8 juta kilometer. — AGENSI

LAMPIRAN 12
NEW STRAITS TIMES (BUSINESS): MUKA SURAT B7
TARIKH: 24 OGOS 2018 (JUMAAT)

FIRST GLOBALLY

WORLD BANK LAUNCHES BLOCKCHAIN BOND

Prototype deal designed to move sales away from manual processes

SYDNEY

THE World Bank has priced the world's first public bond created and managed using only blockchain in a A\$100 million (RM300.69 million) deal designed to test how the technology might improve decades-old bond sales practices.

Commonwealth Bank of Australia, the sole manager of the deal, said the two-year bonds had priced to yield 2.251 per cent and would settle next Tuesday.

The prototype deal, dubbed a "Bondi" bond — standing for

Blockchain Operated New Debt Instrument, as well as a reference to Australia's most famous beach — is being viewed as an initial step in moving bond sales away from manual processes, towards faster and cheaper automation.

"You're collapsing a traditional bond issuance from a manual bookbuild process and allocation process, an extended settlement then a registrar and a custodian, into something that could happen online instantaneously," said James Wall, executive general manager at CBA.

The World Bank, whose bonds carry an "AAA" rating, regularly

uses borrowing power to help develop new bond markets as well as pioneering new means for selling and trading the securities.

It issues between US\$50 billion and US\$60 billion (RM205.5 billion and RM246.6 billion) a year of bonds to back economic progress in developing countries.

Australia is a popular test site for market developments because of its well-established financial infrastructure and the familiarity of international investors with the Australian dollar, which is one of the most-traded currencies in the world.

Reuters

LAMPIRAN 13 THE STAR (TECHNOLOGY): MUKA SURAT 10 TARIKH: 24 OGOS 2018 (JUMAAT)

YOU'RE crossing the street wrong. That is essentially the argument some self-driving car boosters have fallen back on in the months after the first pedestrian death attributed to an autonomous vehicle and amid growing concerns that artificial intelligence capable of real-world driving is further away than many predicted just a few years ago.

In a line reminiscent of Steve Jobs's famous defence of the iPhone 4's flawed antennae – "Don't hold it like that" – these technologists say the problem isn't that self-driving cars don't work, it's that people act unpredictably. "What we tell people is, 'Please be lawful and please be considerate,'" says Andrew Ng, a well-known machine learning researcher who runs a venture fund that invests in AI-enabled companies, including self-driving startup Drive.AI. In other words: no jaywalking.

Google's Waymo has promised to launch a self-driving taxi service, starting in Phoenix, Arizona, later this year, and General Motors Co has pledged a rival service using a car without steering wheel or pedals some time in 2019.

But it's unclear if either will be capable of operating outside of designated areas or without a safety driver who can take over in an emergency.

Meanwhile, other initiatives are losing steam. Elon Musk has shelved plans for an autonomous Tesla to drive across the United States. Uber has axed a self-driving truck programme to focus on autonomous cars.

Daimler Trucks, part of Daimler AG, now says commercial driverless trucks will take at least five years. Others, including Musk, had previously predicted such vehicles would be road-ready by 2020.

With these timelines slipping, driverless proponents like Ng say there's one surefire shortcut to getting self-driving cars on the streets sooner: persuade pedestrians to behave less erratically.

If they use crosswalks, where there are contextual clues – pavement markings and stop lights – the software is more likely to identify them.

But to others the very fact that Ng is suggesting such a thing is a sign that today's technology simply can't deliver self-driving cars as originally envisioned.

"The AI we would really need hasn't yet arrived," says Gary Marcus, a New York University professor of psychology who researches both human and artificial intelligence.

He says Ng is "just redefining the goalposts to make the job easier", and that if the only way we can achieve safe self-driving cars is to completely segregate them from human drivers and pedestrians, we already had such technology: trains.

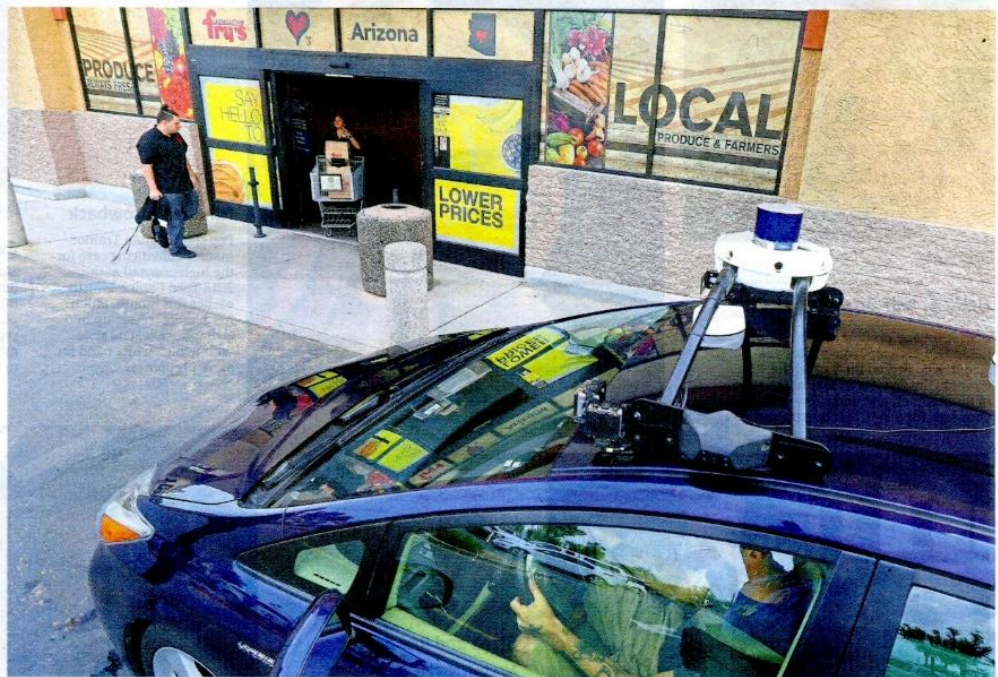
Rodney Brooks, a well-known robotics researcher and an emeritus professor at the Massachusetts Institute of Technology, wrote in a blog post critical of Ng's sentiments that "the great promise of self-driving cars has been that they will eliminate traffic deaths. Now [Ng] is saying that they will eliminate traffic deaths as long as all humans are trained to change their behaviour? What just happened?"

Ng argues that humans have always modified their behaviour in response to new technology, especially modes of transportation. "If you look at the emergence of railroads, for the most part people have learned not to stand in front of a train on the tracks," he says.

He also notes that people have learned that school buses are likely to make frequent stops and that

People pose a problem to self-driving cars

To prep for robot driving, some want to reprogram pedestrians.



If pedestrians use crosswalks, where there are contextual clues – pavement markings and stop lights – the autonomous car is more likely to identify them. – AP

when they do, small children may dart across the road in front of the bus, and so they drive more cautiously. Self-driving cars, he says, are no different.

In fact, jaywalking only became a crime in most of the US because automobile manufacturers lobbied intensively for it in the early 1920s, in large measure to head off strict speed limits and other regulation that might have impacted car sales, according to Peter Norton, a history professor at the University of Virginia who wrote a book on the topic. So there is a precedent for regulating pedestrian behaviour to make way for new technology.

And while Ng may be the most prominent self-driving proponent calling for training humans, as well as vehicles, he's not alone.

"There should be proper education programmes to make people familiar with these vehicles, the ways to interact with them and to use them," says Shuchisnigdha Deb, a researcher at Mississippi State University's Centre for Advanced Vehicular Systems. The US Department of Transportation has stressed the need for such consumer education in its latest guidance on autonomous vehicles.

Maya Pindus, the co-founder and chief executive officer of Humanising Autonomy, a London startup working on models of pedestrian behaviour and gestures that self-driving car companies can use, likens such lessons to public awareness campaigns Germany and Austria instituted in the 60s

following a spate of jaywalking fatalities.

Such efforts helped reduce pedestrian road fatalities in Germany from more than 6,000 deaths in 1970 to less than 500 in 2016, the last year for which figures are available.

The industry is understandably keen not to be seen offloading the burden onto pedestrians. Uber and Waymo both said in emailed statements that their goal is to develop self-driving cars that can handle the world as it is, without being dependent on changing human behaviour.

One challenge for these and other companies is that driverless cars are such a novelty right now, pedestrians don't always act the way they do around regular vehicles.

Some people just can't suppress the urge to test the technology's artificial reflexes. Waymo, which is owned by Alphabet Inc, routinely encounters pedestrians who deliberately try to "prank" its cars, continually stepping in front of them, moving away and then stepping back in front of them, to impede their progress.

The assumption seems to be that driverless cars are designed to be extra cautious so the practical joke is worth the risk.

"Although our systems do have super-human perception, sometimes people seem to think Newton's laws no longer apply," says Paul Newman, the co-founder of Oxbotica, a British startup mak-

ing autonomous driving software, who recalls the time a pedestrian ran up behind a self-driving car and jumped suddenly in front of it.

Over time driverless cars will become less fascinating, and people will presumably be less likely to prank them. In the meantime, the industry is debating what step companies should take to make humans aware of the cars and their intentions.

Drive.AI, which was co-founded by Ng's wife, Carol Reiley, has made a number of modifications to the self-driving cars it's road testing in Frisco, Texas.

They're painted a distinctive day-glo orange, increasing the chance that people will notice them and recognise them as self-driving. Drive.AI also pioneered the use of an external LED-display screen, similar to the ones many city buses use to display their destination or route number, that can convey the car's intentions to humans.

For instance, a car stopped at a crosswalk, might display the message: "Waiting for you to cross."

Uber has taken this idea further, filing patents for a system that would include a variety of flashing external signage and holograms projected in front of the car to communicate with human drivers and pedestrians.

Google has also filed patents for its own external signage. Oxbotica's Newman says he likes the idea of such external messaging as well as distinctive sounds – much like the beeping noise large vehicles make

when reversing – to help ensure safe interactions between humans and autonomous vehicles.

Deb says her research shows that people want external features and audible communication or warning sounds of some kind. But so far, besides Drive.AI, the cars these companies are using in road tests don't include such modifications.

It's also not clear how pedestrians or other human drivers could communicate their intentions to self-driving vehicles, something Deb says may also be necessary to avoid accidents in the future.

Pindus's company wants those building self-driving cars to focus more on understanding the non-verbal cues and hand gestures people use to communicate.

The problem with most of the computer vision systems that self-driving cars use, she says, is they simply put a boundary box around an object and apply a label – parked car, bicycle, person – without the ability to analyse anything happening inside that box.

Eventually, better computer vision systems and better AI may solve this problem. Over time, cities will probably remake themselves for an autonomous age with "geofencing" – a fancy term for creating separate zones and designated pickup spots for self-driving cars and taxis.

In the meantime, your parents' advice probably still applies: Don't jaywalk and look both ways before crossing the street. – Bloomberg

LAMPIRAN 14
UTUSAN MALAYSIA (UTUSAN BIZ): MUKA SURAT 11
TARIKH: 24 OGOS 2018 (JUMAAT)

Mampukah ekonomi internet menjadi RM800 bilion pada 2025?

ASIA TENGGARA mempunyai lebih daripada 330 juta pengguna internet dan ramai penyelidik ekonomi berpendapat bahawa sektor e-dagang di rantau ini sekarang berada di landasan untuk menjadi industri utama pada tahun-tahun mendatang. Satu kajian oleh Google menunjukkan bahawa pertumbuhan ekonomi internet Asia Tenggara telah melebihi jangkaan dan mencapai RM200 bilion pada 2017, melebihi jangkaan pertumbuhan awal sebanyak 35 peratus.

Satu kajian terdahulu oleh Google menganggarkan bahawa sekitar 3.8 juta pengguna baharu akan dilihat setiap bulan di rantau ini. Ia menjadikan Asia Tenggara sebagai rantau internet yang paling cepat berkembang di dunia antara 2015 dan 2020.

Perkara tersebut, digabungkan dengan faktor-faktor lain termasuk populasi muda yang berkembang (70 peratus penduduk Asia Tenggara di bawah umur 40 tahun), peningkatan pendapatan isi rumah (ke semua enam negara utama Asia Tenggara akan mencecah RM12,000 KDNK/perkapita) dan ketersediaan sistem pembayaran yang lebih tinggi akan mendorong pertumbuhan ekonomi internet yang dianggarkan bernilai RM800 bilion menjelang 2025.

Potensi sektor edagang di Asia Tenggara:

1. Asia Tenggara adalah ekonomi telefon pintar

Di Asia Tenggara, pengguna dianggarkan menggunakan telefon pintar kira-kira 3.6 jam (minimum) setiap hari. Ini luar biasa kerana angka ini adalah tertinggi di dunia dan unik di rantau ini.

Dengan menganalisis data dari enam bandar raya utama di rantau ini (Singapura, Malaysia, Indonesia, Filipina, Vietnam dan Thailand), satu kajian berasingan telah menekankan bahawa 'm-commerce' telah berkembang pada kadar purata 19 peratus dalam satu tahun.



DUNIA EDAGANG

JEREMY CHEW

Pertumbuhan pengguna mudah alih juga dijangka berkembang dengan pesat kerana telefon pintar adalah jauh lebih murah daripada komputer desktop."

Kini, lebih daripada 72 peratus pelawat kedai dalam talian adalah pengguna telefon pintar. Negara yang mengetuai statistik ini adalah Indonesia yang mana 87 peratus trafik dalam talian bersumberkan daripada telefon pintar. Di seluruh rantau ini, lalu lintas desktop tidak melebihi 30 peratus trafik dalam talian yang menunjukkan pentingnya mempunyai laman web mesra telefon pintar untuk para pedagang e-dagang.

Ini telah disahkan oleh Suruhanjaya Komunikasi dan Multimedia Malaysia (SKMM) bahawa telefon pintar tetap menjadi cara yang paling popular untuk pengguna mengakses internet. Pada 2016, terdapat 28.5 juta langganan pelan jalur lebar mudah alih berbanding dengan 2.5 juta langganan jalur lebar talian tetap. Pertumbuhan pengguna mudah alih juga dijangka berkembang dengan pesat kerana telefon pintar adalah jauh lebih murah daripada komputer desktop.

2. Pengguna di Asia Tenggara berbelanja dua kali lebih banyak daripada orang Amerika di pasaran e-dagang

Rata-rata Asia Tenggara membelanjakan kira-kira 140 minit membeli-belah dalam talian setiap bulan menjadikannya dua kali lebih tinggi daripada orang Amerika di pasaran

e-dagang.

Pembeli di rantau ini adalah pengguna dalam talian yang gemar kerana mereka cenderung untuk membeli-belah semasa waktu bekerja. Bilangan pesanan dalam talian tertinggi berlaku antara pukul 9 pagi dan 5 petang apabila kebanyakan orang bekerja atau berada di sekolah. Menariknya, ini berbeza di Singapura yang mana pengguna membeli-belah pada waktu malam lebih banyak daripada negara-negara lain. Trafik puncak Singapura berlaku pada pukul 10 malam.

Pengguna di Asia Tenggara juga lebih cenderung untuk melakukan pembelian pada hari bekerja berbanding dengan hujung minggu. Bagaimanapun, trafik dalam talian telefon pintar berada pada paras tertinggi pada hujung minggu. Ini menunjukkan pengguna lebih cenderung untuk menyemak imbas atau mencari produk pada hujung minggu. Tetapi mereka hanya menjalankan pembelian mereka menjelang hari kerja. Ini adalah data yang sangat unik dan tidak dijangka yang menunjukkan pengguna lebih cenderung membuat pembelian semasa bekerja.

3. Bisnes e-dagang di Asia Tenggara telah menerima RM32 bilion daripada pelabur pada 2017

Pada kadar 0.18 peratus KDNK, jumlah pelaburan yang dicurahkan ke Asia Tenggara adalah setanding dengan India. Ini juga adalah keyakinan terhadap potensi e-dagang di Asia Tenggara.

Sehingga 2016, lebih daripada RM10 bilion telah diasaskan oleh usahawan e-dagang Asia Tenggara. Ini adalah pertumbuhan tertinggi sejak 2013, walaupun bilangan tawaran pelaburan jatuh ke 320 daripada 335.

Minggu depan saya akan berkongsi lebih banyak fakta bagaimana e-dagang akan menjadi industri RM800 bilion di Asia Tenggara.

JEREMY CHEW dari iPrice Group (<https://iprice.my>)