

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

Bil	Berita	Media	Capaian Berita Penuh
1.	<p><u>Yeo: Recycling factories that comply with rules can continue operations</u></p> <p>Plastic recycling factories which comply with all regulations stated in the Environmental Quality Act will be granted approval to continue their operations. Energy, Technology, Science, Climate Change and Environment Minister Yeo Bee Yin, responding to calls to ban plastic waste in the country, said the government had an obligation to separate those who comply with regulations with those who did not.</p>	New Straits Times	Rujuk lampiran 1
2.	<p><u>Kilang import sisa plastik kitar semula dibenar teruskan operasi</u></p> <p>Syarikat atau kilang yang mengimport sisa plastik untuk dikitar semula di negara ini dibenarkan untuk meneruskan operasi selagi tidak melanggar undang-undang. Menteri Tenaga, Teknologi, Sains, Perubahan Iklim dan Alam Sekitar, Yeo Bee Yin berkata demikian ketika diminta mengulas mengenai gesaan pelbagai pihak untuk mengharamkan sepenuhnya import sisa plastik dari negara maju,</p>	Utusan Malaysia	Rujuk lampiran 2
3.	<p><u>GE: Investment hinges on govt policy</u></p> <p>Parneix said GE had also met with the Energy Commission and some of the industry players including the independent power producers (IPPs). Recently, newly appointed Energy, Green Technology, Science, Climate Change and Environment Minister Yeo Bee Yin said IPP agreements approved by the previous administration are under review.</p>	New Straits Times	Klik pada tajuk berita
4.	<p><u>Power reserve margin to hit 46% if no IPP projects axed, says energy minister</u></p> <p>Malaysia's electricity reserve margin will hit 46% if Putrajaya does not proceed with the planned cancellation of certain new independent power producer (IPP) projects,</p>	The Edge Market	Klik pada tajuk berita

	Minister of Energy, Technology, Science, Climate Change and Environment Yeo Bee Yin said.		
5.	<p><u>GE sedia bantu perkukuh sektor tenaga Malaysia</u></p> <p>Baru-baru ini, Menteri Tenaga, Teknologi, Sains, Perubahan Iklim dan Alam Sekitar, Yeo Bee Yin, berkata perjanjian IPP yang diluluskan oleh pentadbiran terdahulu sedang disemak semula. Empat perjanjian dikatakan akan dimansuhkan menunggu keputusan selanjutnya mengenai perkara itu.</p>	Berita Harian	Rujuk lampiran 3 atau klik pada tajuk berita
6.	<p><u>Himpunan aman NGO bantah lebuh raya PIL Pulau Pinang</u></p> <p>Pameran umum berhubung maklumat rundingan PIL kini sedang di diadakan di Pulau Pinang. Difahamkan, mesyuarat majlis perbandaran akan diadakan oleh Menteri Tenaga, Teknologi, Sains, Perubahan Iklim dan Persekitaran Yeo Bee Yin. Lebuh raya PIL, yang merupakan komponen pertama PTMP dijangka menghubungkan pulau berkenaan dan menyelesaikan masalah kesesakan jalan raya.</p>	Malaysia Kini	Klik pada tajuk berita
7.	<p><u>Malaysia's B2B halal e-commerce platforms DagangHalal, Zilzar, AladdinStreet: Where are they now?</u></p> <p>E-commerce platforms contributed 74.6 billion Malaysian ringgit (\$18.3 billion), or 6.1 percent, to Malaysia's GDP in 2016, according to latest available data from the national statistics department. In ringgit value, the sector grew 9.3 percent thanks in large part to non-ICT industries, the Malaysia Digital Economy Corporation (MDEC) told Salaam Gateway.</p>	Salaam Gateway	Klik pada tajuk berita

8.	<p><u>Vision 2020 inspires scientist to be tech creator</u></p> <p>Said Hafizal, 42, who is senior staff researcher at Mimos Bhd: "Vision 2020 taught me that we should be able to create technology, rather than just be a user of technology. We shouldn't depend on just importing technology from outside Malaysia.</p>	LinkedIn	Klik pada tajuk berita
9.	<p><u>Bakar sampah, penduduk sesak nafas</u></p> <p>Beliau berkata, mesin jengkaut MPS tiba di lokasi petang tadi bagi membantu kerja pemadaman selain turut dibantu dengan pemantauan dron. "Pihak Jabatan Alam Sekitar (JAS), PTD dan MPS sudah menjalankan tanggungjawab masing-masing sebagai tindakan terhadap individu yang bertanggungjawab dalam kejadian ini. "Sehingga jam 2.30 petang tadi, kami bersama agensi lain masih bertungkus-lumus memadam kebakaran," katanya.</p>	Berita Harian	Klik pada tajuk berita
10.	<p><u>'Wawasan 2020' Tun M cetus minat saintis pelihara Tasik Chini</u></p> <p>Diminta mengulas strategi STEM (sains, teknologi, kejuruteraan dan matematik) Malaysia, Hafizal berkata adanya ruang bagi peningkatan lebih meluas kerana nisbah pelajar aliran sains dan teknikal berbanding pelajar seni masih pada tahap membimbangkan dan berada di bawah nisbah 60:40 yang disasarkan.</p>	Free Malaysia Today	Klik pada tajuk berita
11.	<p><u>Chow says state will continue public engagement on transport plan</u></p> <p>Muhamad Yusof also asked whether the state will continue to implement the project if it did not obtain approval from the Department of Environment (DOE). Chow, who is also Padang Kota state assemblyman, said the state is committed to fulfilling all DOE requirements for the project. "We have to submit various reports to the authorities such as social and heritage impact assessments, and the environmental impact assessment report, I believe DOE will study all views and reports," he said.</p>	Malay Mail	Rujuk lampiran 4 atau klik pada tajuk berita

TEMPATAN

Bil	Berita	Media	Capaian Berita Penuh
12.	<p><u>Marikh dekat dengan Bumi</u></p> <p>Orang ramai boleh melihat pla-net Marikh dalam keadaan paling terang dan cerah dengan mata kasar pada pukul 9 malam ini apabila ia dikatakan akan berada di kedudukan paling dekat dengan Bumi selepas 15 tahun. Planet Marikh kali terakhir berada pa-ling dekat dengan Bumi ialah pada tahun 2003 dengan kedudukan 55.75 juta km iaitu jarak paling dekat dalam tempoh hampir 60,000 tahun.</p>	KOSMO	Rujuk lampiran 5 atau klik pada tajuk berita
13.	<p><u>Inovasi SK Parit Baharu pikat juri</u></p> <p>Sekolah Kebangsaan (SK) Parit Baharu muncul johan pada Cabaran Reka Cipta Bahan Kitar Semula kategori terbuka sekolah sempena Program Smart Fun Education 2018.</p>	Sinar Harian	Rujuk lampiran 6
14.	<p><u>Better to stay put for now</u></p> <p>Malaysian holiday-makers are shunning Lombok and Bali after the popular tropical island were hit by a magnitude 7.0 earthquake on Sunday, just a week after the first quake on July 29.</p>	The Star	Rujuk lampiran 7
15.	<p><u>Embassy: All Malaysians in Lombok safe and sound</u></p> <p>About 160 Ma--lay--sians in Lombok are safe following a powerful earthquake that jolted the island on Sunday. The Malaysian Embassy said it contacted Malaysians there as well as those in Bali. "Some areas in north and east Lombok are still without power and we advise Malaysians there to remain calm and follow the instructions from the local authorities," it said in a statement.</p>	The Star	Klik pada tajuk berita

ANTARABANGSA

Bil	Berita	Media	Capaian Berita Penuh
16.	<p><u>How This Female Fortune 100 Executive Is Helping Women Advance In STEM Fields</u></p> <p>At a time when women continue to be underrepresented in the fields of science, technology, engineering and mathematics (STEM), it is heartening to see women who rise to leadership positions and actively encourage and empower other women to advance. Nicola Palmer, the chief network engineering officer at the Fortune 100 company Verizon, is committed to supporting the thousands of engineers she manages as well as helping girls and women gain the STEM skills that will help them make a positive impact in any industry.</p>	Forbes	Klik pada tajuk berita
17.	<p><u>Abbott policies reduced effectiveness of foreign aid to combat climate change</u></p> <p>A decreased emphasis on climate change and cuts to the foreign aid budget under the Abbott government caused a loss of expertise, a lack of oversight and early closure of some projects, according to an internal government report.</p>	The Guardian	Klik pada tajuk berita
18.	<p><u>The GOP and Big Oil can't escape blame for climate change</u></p> <p>Last week's issue of the New York Times magazine was devoted to a single story by Nathaniel Rich that explored how close we came to an international climate agreement in 1989, and why we failed. The piece is worth reading – it's a well-told, mostly accurate, and very informative story about a key decade in climate science and policy history.</p>	The Guardian	Klik pada tajuk berita
19.	<p><u>Enormous wildfire leaves California wondering: will it ever get a break?</u></p> <p>At a community hall in a small farming community 121 miles north-east of San Francisco, Renato Lira, an American Red Cross disaster services worker, looked through photos on his phone of the fire he had just driven through</p>	The Guardian	Klik pada tajuk berita

	to set up an evacuation center. As he flicked, his screen turned red.		
20.	<p><u>MSIG Insurance, Plug and Play to promote Innovation through startups</u></p> <p>MSIG Insurance, a general insurer in Asia, announced on August 6 that it has entered into a strategic partnership with Plug and Play, a global startup accelerator and corporate innovation platform, to promote innovation within the general insurance space. MSIG Insurance will become a founding anchor partner of Plug and Play's Insurtech platform in Singapore.</p>	Digital News Asia	Klik pada tajuk berita
21.	<p><u>Why Emerging Technology Needs To Retain A Human Element</u></p> <p>Industry news has everyone from accountants to restaurant staff on the chopping block. And in a society that values work above practically all else, losing one's place in the economy is a terrifying thought. Automation will undoubtedly pose a threat to some jobs. And yet, automation isn't perfect.</p>	Forbes	Klik pada tajuk berita
22.	<p><u>China's Xiaomi says parts supplier Holitech Technology to invest \$200 million in India</u></p> <p>Xiaomi had said in April that it wanted its global smartphone component makers to set up base in India, in what could potentially bring as much as \$2.5 billion of investment and create as many as 50,000 jobs. India imposed a 10 percent tax on imports of key smartphone components, including populated printed circuit boards, in April as it moves to step up local assembly of mobile devices.</p>	Reuters	Klik pada tajuk berita
23.	<p><u>Tons of garbage in Istanbul turned into energy worth \$48.25 million</u></p> <p>Istanbul has stepped up its recycling game in recent years. Last year, the Istanbul Metropolitan Municipality (İBB) recycled 700 million tons of garbage and produced 400 million kilowatt-hours of energy. Garbage that is regularly collected from 39 districts of Istanbul is brought to İBB's garbage collection site and they are sorted according to their materials.</p>	Daily Sabah	Klik pada tajuk berita

24.	<p><u>Turn your home into a battery! Concrete blocks that store renewable energy could be used to build and power the houses of the future</u></p> <p>The walls of your family home could soon double-up as a battery, storing energy in its blocks. Scientists have developed a new type of concrete that is infused with potassium ions, which allow it to store electricity for long periods of time. When energy production levels drop, the concrete would kick in and power a house using the reserve stock of energy it has saved up.</p>	Daily Mail	Klik pada tajuk berita
25.	<p><u>'Uber For Garbage' Is Using Technology To Change The Recycling Industry</u></p> <p>The two started Recycle Track Systems, dubbed the 'Uber for trash,' in 2014. The New York-based waste and recycling management technology company have quietly been picking up traction. RTS has raised \$11.7 million in Series a funding from the Boston-based growth equity firm Volition Capital and signed up more than 500 customers including organizations Whole Foods, Soul Cycle, WeWork, and others that have signed multi-year contracts.</p>	Green Matters	Klik pada tajuk berita
26.	<p><u>Two Mistakes Investors Make When Investing In Biotechnology Companies</u></p> <p>Biotechnology stocks were some of the strongest performing stocks from 2009-2015. Then, the biotech bubble burst and just about every major biotech stock plunged into a private bear market. Since then, biotech stocks have bottomed and are now rallying once again.</p>	Forbes	Klik pada tajuk berita
27.	<p><u>Random Acts of Cybersecurity</u></p> <p>As it turns out, there are only a handful of ways to create a truly random number. Humans are really bad at making random numbers -- it's pretty easy to guess what number they'll come up with. But the problem is that computers are almost just as bad. And when it comes to cybersecurity, creating actual random numbers is incredibly important -- because of encryption.</p>	Forbes	Klik pada tajuk berita

	Encryption requires a lot of random numbers in order to ensure data is kept secret.		
28.	<p><u>Now Maybe Taiwan Will Take Cybersecurity Seriously</u></p> <p>For more than a decade, Taiwan has been ground zero for attempts to breach its computer networks. Beyond obvious targets such as political parties, government departments and national security apparatuses, many businesses have been attacked. In one breach, a major flat-panel display maker's patent department was infiltrated, and all the evidence pointed to Chinese hackers.</p>	Bloomberg	Klik pada tajuk berita
29.	<p><u>Singapore cyberattack may be state-linked: Minister</u></p> <p>The biggest ever cyberattack to hit Singapore was carried out by highly sophisticated hackers typically linked to foreign governments, a cabinet minister said Monday, but did not give names. Hackers broke into a government database and stole the health records of 1.5 million Singaporeans, including Prime Minister Lee Hsien Loong who was specifically targeted in the "unprecedented" hack, the government has said.</p>	New Straits Times	Klik pada tajuk berita
30.	<p><u>98 orang terbunuh di Lombok</u></p> <p>Indonesia memindahkan be-ratus-ratus pelancong dari resort-resort popular dan mengerahkan anggota penyelamat ke seluruh Pulau Lombok selepas gempa bumi kuat membunuh sekurang-kurangnya 98 orang dan meranapkan beribu-ribu bangunan. Gempa cetek bermagnitud 6.9 itu menakutkan pelancong serta penduduk tempatan seminggu selepas satu lagi gegaran kuat melanda Pulau Lombok, mengakibatkan sekurang-kurangnya 17 orang terbunuh.</p>	KOSMO	Rujuk lampiran 8 atau klik pada tajuk berita
31.	<p><u>2,000 Lombok tourists evacuated</u></p> <p>Indonesia sent rescuers fanning out across the holiday island of Lombok and evacuated more than 2,000 tourists after a powerful earthquake</p>	The Star	Rujuk lampiran 9

	killed at least 98 people and damaged thousands of buildings.		
32.	<p><u>Hujan paling panas didunia turun di California</u></p> <p>Amerika Syarikat (AS) dikejutkan dengan fenomena alam semula jadi hujan paling panas di dunia yang turun di bandar Imperial, California baru-baru ini.</p>	KOSMO	Rujuk lampiran 10
33.	<p><u>Bangladesh floats death penalty for road deaths</u></p> <p>Bangladesh on Monday promised to introduce the death penalty for deliberate road deaths in a bid to quell more than a week of demonstrations calling for better road safety, as new student-led protests were met with tear gas and rubber bullets. Over the weekend scores of people were hurt as police fired tear gas and mobs apparently loyal to the government attacked demonstrators, photographers and even the US ambassador's car.</p>	New Straits Times	Rujuk lampiran 11
34.	<p><u>Sea cucumbers dying due to high temperatures</u></p> <p>High temperatures have caused deaths of sea cucumbers in a large area in northeast China's Liaoning province this summer, China Central Television reported.</p>	The Star	Rujuk lampiran 12
35.	<p><u>Scientists design electronic skin to monitor health</u></p> <p>Chinese scientists have developed a graphene-based tattoo-like electronic skin that could function as a wearable device to monitor a person's health. Electronic skin refers to thin, flexible and stretchable electronic material that mimics human skin and can sense pressure, temperature and stretch.</p>	The Star	Rujuk lampiran 13
36.	<p><u>Remembering Hiroshima, 73 years on</u></p> <p>A bell tolled in Hiroshima as Japan marked 73 years since the world's first atomic bombing, with</p>	The Star	Rujuk lampiran 14

	the city's mayor warning that rising nationalism worldwide threatened peace.		
37.	<p><u>Students use VR to recreate bombing</u></p> <p>It's a sunny summer morning in the city of Hiroshima, Japan. Cicadas chirp in the trees. A lone plane flies high overhead. Then a flash of light, followed by a loud blast. Buildings are flattened and smoke rises from crackling fires under a darkened sky.</p>	The Star	Rujuk lampiran 15
38.	<p><u>Jepun mohon dunia aman tanpa nuclear</u></p> <p>Loceng dibunyikan di Hiroshima, semalam menandakan ulang tahun ke 73 sejak ledakan bom atom pertama di Hiroshima, serentak dengan amaran datuk bandar bahawa peningkatan nasionalisme di seluruh dunia boleh mengancam keamanan sejagat.</p>	Berita Harian	Rujuk lampiran 16
39.	<p><u>Europe sizzles in heatwave</u></p> <p>Europe sweltered through an intense heatwave, with soaring temperatures contributing to forest fires, the closure of nuclear plants and even a threat to the Netherlands' supply of potato fries, although some countries experienced a slight respite.</p>	The Star	Rujuk lampiran 17
40.	<p><u>Region 'vulnerable' to climate change</u></p> <p>As the recent bout of extreme weather sets deadly records in parts of Asia, it also underscores just how vulnerable South-East Asia's emerging economies and even some of their wealthier neighbours are to climate change.</p>	The Star	Rujuk lampiran 18
41.	<p><u>Laos dam collapse death toll rises to 31</u></p> <p>The death toll from a massive dam collapse in Southern Laos has jumped to 31, officials said, with scores still missing weeks after the unprecedented disaster that swept villages and farmland away.</p>	The Star	Rujuk lampiran 19

LAMPIRAN 1
NEW STRAITS TIMES: MUKA SURAT 14
TARIKH: 7 OGOS 2018 (SELASA)

ENVIRONMENTAL QUALITY ACT

Yeo: Recycling factories that comply with rules can continue operations

KUALA LUMPUR: Plastic recycling factories which comply with all regulations stated in the Environmental Quality Act will be granted approval to continue their operations.

Energy, Technology, Science, Climate Change and the Environment Minister Yeo Bee Yin, responding to calls to ban plastic waste imports for recycling

in the country, said the government had an obligation to separate those who comply with regulations with those who did not.

"Therefore, any plastic recycling factory that adheres to the regulations in the Act, will be granted approval to continue their operations," she said when met at the Parliament lobby.

Yeo said a weekly meeting is being held with the Department of Environment (DoE) to get updates on the matter.

Meanwhile, on the haze situation, Yeo said a notice had been issued to the local councils, the Fire and Rescue Department and other agencies to allow them to investigate any report lodged on open burning.



Energy, Technology, Science, Climate Change and the Environment Minister Yeo Bee Yin says a weekly meeting is being held with the Department of Environment to get updates on the matter. PIC BY ASYRAF HAMZAH

Kilang import sisa plastik kitar semula dibenar teruskan operasi

KUALA LUMPUR 6 Ogos - Syarikat atau kilang yang mengimport sisa plastik untuk dikitar semula di negara ini dibenarkan untuk meneruskan operasi selagi tidak melanggar undang-undang.

Menteri Tenaga, Teknologi, Sains, Perubahan Iklim dan Alam Sekitar, Yeo Bee Yin berkata demikian ketika diminta mengulas mengenai gesaan pelbagai pihak untuk mengharamkan sepenuhnya import sisa plastik dari negara maju.

Menurut beliau, sebagai kerajaan yang bertanggungjawab, pihaknya perlu membezakan antara kilang atau syarikat yang melanggar atau mematuhi undang-undang.

"Kilang kitar semula plastik yang mematuhi semua peraturan dalam Akta Alam Sekitar 1994 akan diberi kelulusan untuk meneruskan operasi perniagaan mereka.

"Tindakan ini sama dengan apa-apa kilang sahaja, sesiapa

yang menjalankan perniagaan dan beroperasi di negara ini, kalau mereka patuh pada undang-undang maka kerajaan tidak boleh tutup atau hentikan operasi mereka," katanya kepada pemberita di lobi Parlimen, hari ini.



YEO BEE YIN

Minggu lalu, Utusan Malaysia melaporkan pelbagai pertubuhan bukan kerajaan (NGO) alam sekitar menggesa kerajaan mengharamkan sepenuhnya import sisa plastik dari negara maju seperti Amerika Syarikat (AS) dan Britain untuk dikitar semula di negara ini yang pada ta-

hun lalu sahaja mencatat jumlah 550,000 tan bagi mengelakkan kesan buruk kepada kesihatan awam dan alam sekitar.

Walaupun langkah kawalan dilakukan termasuk menghentikan permit import (AP) sisa plastik selama tiga bulan, namun golongan tersebut melihat perkara itu belum memadai kerana sisa plastik domestik sendiri cukup banyak untuk diuruskan.

Sebelum ini, Bee Yin dalam sidang Dewan Rakyat menegaskan Malaysia tidak akan menjadi 'tong sampah' sisa-sisa plastik dari negara-negara maju walaupun setelah China mengharamkan import plastik mulai Januari lalu.

Sehubungan itu, beliau memberitahu, kerajaan telah menubuhkan sebuah jawatankuasa khas untuk mengkaji kaedah yang terbaik untuk mengawal pengimportan sisa plastik dan Kementerian Perumahan dan Kerajaan Tempatan juga telah membekukan AP sisa plastik kepada 114 syarikat dan kilang berkuat kuasa 24 Julai lalu.

Dalam pada itu, mengulas mengenai jawatankuasa tersebut, Bee Yin berkata, dalam tempoh itu, kementeriannya akan menyensitaskan syarikat atau kilang yang melanggar mahupun menyalahgunakan lesen untuk mengimport dan memproses sisa plastik secara haram.

"Kita akan mengambil tindakan keras terhadap sesiapa yang masih lagi proses sisa plastik ini secara haram di Malaysia," katanya.

GE sedia bantu perkukuh sektor tenaga Malaysia

➔ Syarikat guna pendekatan tunggu dan lihat, tawar teknologi terbaik

Oleh Zarina Zakariah
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General Electric Co (GE) akan menunggu perkembangan lebih jelas mengenai sektor tenaga Malaysia sebelum meneruskan pelaburan di negara ini.

Pengurus Besar Komersial GE Steam Power, Dr Sacha Parneix, berkata syarikat bersedia memberikan penyelesaian diperlukan peserta sektor tenaga, namun memerlukan lebih penjelasan mengenai hala tuju masa depan sektor itu.

"Benar (kami menggunakan) pendekatan tunggu dan lihat. Sebagai penyedia teknologi, kami akan menyediakan maklumat kepada kementerian atau syarikat utiliti maklumat mengenai teknologi

terbaik yang ada untuk membolehkan mereka membuat pilihan sewajarnya.

"Malah, kami cenderung kepada bahan api dengan tidak memilih sesebuah teknologi berbanding yang lain. Kami sudah bertemu dengan beberapa pihak berkepentingan beberapa bulan lalu bagi membincangkan teknologi terbaik dalam wap, selain mendapatkan maklumat mengenai gas dan sumber boleh diperbaharui bagi membolehkan kerajaan membuat keputusan pilihan terbaik untuk negara ini," katanya kepada NSTP, baru-baru ini.

Parneix berkata, GE juga bertemu dengan Suruhanjaya Tenaga dan beberapa peserta industri, termasuk pengeluar tenaga bebas (IPP).

Baru-baru ini, Menteri Tenaga,

Teknologi, Sains, Perubahan Iklim dan Alam Sekitar, Yeo Bee Yin, berkata perjanjian IPP yang diluluskan oleh pentadbiran terdahulu sedang disemak semula.

Empat perjanjian dikatakan akan dimansuhkan menunggu keputusan selanjutnya mengenai perkara itu.

Cabaran baharu syarikat utiliti Bee Yin juga mengesahkan sumbangan tenaga boleh diperbaharui (tidak termasuk hidro) dinaikkan daripada dua peratus ketika ini kepada 20 peratus dalam jangka pertengahan.

Beliau tidak mendedahkan empat IPP yang dimansuhkan baru-baru ini, namun GE percaya tiada satu pihak terbabit adalah pelanggannya dan perkembangan itu tidak memberikan sebarang implikasi kos kepada kerajaan.



Kilang GE pertama di Pelabuhan Klang, Selangor.



Kami sudah bertemu dengan beberapa pihak berkepentingan beberapa bulan lalu bagi membincangkan teknologi terbaik dalam wap, selain mendapatkan maklumat mengenai gas dan sumber boleh diperbaharui"

Sacha Parneix,
Pengurus Besar Komersial
GE Steam Power

Parneix menjangkakan usaha tenaga boleh diperbaharui akan mewujudkan cabaran baharu kepada syarikat utiliti, sambil menyebabkan ketidakstabilan pada peringkat pengurusan grid berikutan tenaga yang terputus-putus.

"Sebarang keputusan berhubung tenaga tidak hanya dipacu oleh teknologi memandangkan faktor lain seperti geopolitik, ekonomi dan alam sekitar juga menjadi pertimbangan," katanya.

Jumlah kapasiti Malaysia adalah kira-kira 37 GW dan dijangka meningkat kepada 53 GW dalam tempoh 10 tahun akan datang.

Ketika ini, arang batu dan gas asli merangkumi kira-kira 50:50 nisbah penjanaan kuasa negara, manakala hanya satu hingga dua peratus dijana oleh hidro dan solar.

LAMPIRAN 4
MALAY MAIL (TOP NEWS): MUKA SURAT 12
TARIKH: 7 OGOS 2018 (SELASA)

CM: Public engagement on transport plan will continue

GEORGE TOWN — Chief Minister Chow Kon Yeow told the state assembly the Pan Island Link 1 project under the Penang Transport Master Plan (PTMP) will not start without the relevant approvals.

Responding to a question by Opposition Leader Muhammad Yusof Mohd Noor (BN-Sungai Dua) on whether the state might review the master plan because of objections against it, Chow said the project remained important for Penang's future.

"We have conducted 229 public engagements on the project and we will continue to engage with associations, stakeholders, groups, individuals and non-governmental organisations," he said.

Muhamad Yusof also asked whether the state will continue to implement the project if it did not obtain approval from the Department of Environment.

Chow, who is also the Padang Kota assemblyman, said the state is committed to fulfilling all DOE requirements for the project.

"We have to submit various reports to the authorities such as social and heritage impact assessments, and the environmental impact assessment report. I believe DOE will study all views and reports," he said.

He stressed that the state government will not implement the master plan without obtaining the relevant approvals, including that of the DOE.

"If we don't get the approvals, we will not start the projects, and we will continue to engage with the people on the importance of PTMP for Penang," he said.

Earlier, replying to a question by Ong Khan Lee (PH- Kebun Bunga) on the detailed environmental impact assessment (DEIA) for the master plan, Chow said the DEIA reports for three main components of the master plan have been submitted to the DOE.

The three components under the first phase of the master plan are the Bayan Lepas Light Rail Transit project, the pan island link project, and the main roads and tunnel projects.

The EIA report for the main road and tunnel projects was submitted to the DOE on Nov 7, last year.

The EIA report for the pan island link project was submitted on May 7 and is on public display until Aug 10.

The EIA report for the Bayan Lepas LRT project was submitted on May 1 last year but the state is still waiting for a reply from the DOE.

The RM46 billion master plan is the state government's ambitious public transport plan that includes highways and LRT lines to resolve the worsening traffic woes.

The RM7.5 billion pan island link is a proposed highway to connect the north of the island to the south by cutting through hills, including Penang Hill and Paya Terubong, while a cable-stayed bridge is proposed to cross over the popular Youth Park.

LAMPIRAN 5
KOSMO (NEGARA): MUKA SURAT 19
TARIKH: 7 OGOS 2018 (SELASA)

Orang ramai juga berpeluang lihat planet Zuhal, Musytari dan Zuhrah pukul 9 malam ini

Marikh dekat dengan Bumi

Oleh MANIRAH OTHMAN

KUALA LUMPUR – Orang ramai boleh melihat planet Marikh dalam keadaan paling terang dan cerah dengan mata kasar pada pukul 9 malam ini apabila ia dikatakan akan berada di kedudukan paling dekat dengan Bumi selepas 15 tahun.

Pensyarah Pusat Pengajian Sains Fizik, Universiti Sains Malaysia (USM), Prof. Madya Chong Hon Yew (**gambar kecil**) berkata, planet tersebut paling dekat dengan bumi adalah pada 31 Julai lalu tetapi ia masih boleh dilihat dengan jelas selama tempoh kira-kira dua minggu ini.



Katanya, pada 31 Julai lalu, Marikh yang turut dikenali sebagai planet merah berada di kedudukan 57.59 juta kilometer (km) dan ketika ini ia semakin menjauh tetapi masih boleh dilihat dengan jelas.

Planet Marikh kali terakhir berada paling dekat dengan Bumi ialah pada tahun 2003 dengan kedudukan 55.75 juta km iaitu jarak paling dekat dalam tempoh hampir 60,000 tahun.

"Apabila berlaku fenomena tersebut, Marikh akan kelihatan sangat terang di langit. Keadaan itu membolehkan ia mudah dilihat menggunakan teleskop atau mata kasar dan fenomena tersebut hanya

berlaku sekali atau dua kali dalam tempoh 15 atau 17 tahun.

"Planet Marikh akan terbit dari arah timur pada awal malam dan akan kelihatan sebagai bintang yang sangat cerah berwarna jingga kemerahan tetapi tidak berkelip dan semua penduduk di negara ini boleh melihatnya sepanjang malam," katanya semalam.

Hon Yew yang juga Penasihat Kelab Astronomi USM menambah, orang ramai yang tidak mempunyai peralatan boleh keluar ke tempat gelap yang tidak ada bangunan atau halangan, boleh mendongak ke arah langit timur.

"Jika nampak objek berwarna jingga kemerahan dan sangat cerah itu ialah Marikh. Pandang tegak ke atas boleh nampak



MARIKH (kanan) akan berada pada kedudukan paling dekat dengan Bumi selepas 15 tahun pukul 9 malam ini.

Zuhal manakala di kedudukan arah barat itu ialah Musytari. Sementara jika pandang ke barat, boleh nampak Zuhrah," ujarnya.

Semua planet tersebut masih boleh dilihat sehingga menjelang waktu subuh kecuali Zuhrah yang tidak akan kelihatan selepas pukul 10 malam.

LAMPIRAN 6
SINAR HARIAN (SABAK BERNAM): MUKA SURAT 24
TARIKH: 7 OGOS 2018 (SELASA)

Inovasi SK Parit Baharu pikat juri

SUNGAI BESAR - Sekolah Kebangsaan (SK) Parit Baharu muncul johan pada Cabaran Reka Cipta Bahan Kitar Semula kategori terbuka sekolah sempena Program Smart Fun Education 2018.

Kejayaan itu melayakkan pasukan inovasi SK Parit Baharu membawa pulang hadiah wang tunai bernilai RM100, hamper dan sijil penyertaan.

Guru pembimbing pasukan inovasi SK Parit Baharu, Mohd Zailani Somingan berkata, sebanyak lapan sekolah di daerah ini mengambil bahagian dalam kategori terbuka sekolah iaitu dua sekolah rendah dan enam sekolah

menengah.

"Pasukan inovasi sekolah itu terdiri daripada empat murid tahun 5 yang menjadikan botol plastik sebagai bahan utama produk inovasi bagi menyertai pertandingan itu.

"Alhamdulillah, inovasi dihasilkan daripada bahan kitar semula seperti botol plastik terbuang berjaya menarik minat juri sekali gus dinobatkan sebagai johan.

"Lebih membanggakan kejayaan pada penyertaan kali pertama dalam pertandingan ini turut menewaskan produk inovasi yang dihasilkan peserta sekolah menengah" katanya.

Pertandingan reka cipta

itu anjuran Jabatan Matematik, Sains dan Komputer (JMSK), Politeknik Sultan Idris Shah (PSIS).

Mohd Zailani berkata, produk rekaan inovasi dari SK Parit Baharu itu dinamakan REDAP 2+ iaitu akronim daripada perkataan rekaan daripada botol manakala 2+ bermaksud dua rekaan dan akan terus menghasilkan rekaan produk berinovasi.

"Untuk pertandingan ini, kami mempertaruhkan dua produk inovasi yang direka daripada botol plastik terbuang iaitu pasu daripada penutup botol plastik dan pemetik buah daripada botol plastik" katanya.



Mohd Zailani (kanan) bersama ahli pasukan inovasi SK Parit Baharu menunjukkan hadiah dimenangi.

Better to stay put for now

Malaysians are postponing their trips to Lombok and Bali

By FATIMAH ZAINAL,
JOASH EE DE SILVA and
MAHADHIR MONIHULDIN
newsdesk@thestar.com.my

PETALING JAYA: Malaysian holiday-makers are shunning Lombok and Bali after the popular tropical islands were hit by a magnitude-7.0 earthquake on Sunday, just a week after the first quake on July 29.

Mohamad Suhaib, 26, was supposed to leave for Lombok at 4.30pm yesterday with his family, but chose to postpone the trip.

"I contacted the Malaysian Embassy in Lombok in the morning, and they told me the situation isn't safe for travel up until Saturday.

"AirAsia gave me the option to delay my flight to any day in the first 14 days after the original date of departure. So I'll most likely be flying around that period," he said.

Dr Hanisah Mustapa had plans to climb up Mount Rinjani with five friends, but after the first earthquake two days before their trip, she felt uneasy about going.

The 29-year-old doctor discussed the matter with her friends and they decided to cancel the trip.

"I was afraid of possible after-



Best to return: Tourists resting while waiting to go back home at the Lombok International Airport. — Reuters

shocks. We didn't feel safe as to where and how severe the after-shocks might be. Why risk our safety?" Dr Hanisah said.

Meanwhile, boutique owner Ridzal Mann, 34, is thanking his lucky stars that last-minute work commitments forced him to cancel his Bali trip.

"We planned the trip for a year and were supposed to leave three days ago. But a day before the flight, I decided not to go as I had some

staffing problems.

"Since my friends also work with me, they couldn't go either," he said.

Ridzal was disappointed when they had to "burn" their non-refundable tickets.

"We were heavily let down but on Sunday, when I read the news about the earthquake, I felt that God has a greater plan for me," he said.

Meanwhile, AirAsia Group Bhd executive chairman and AirAsia X Co-Group chief executive officer

Datuk Kamarudin Meranun said the airline would deploy an empty aircraft for 180 passengers to help those in Lombok who wish to return home earlier.

Malaysian Association of Tour and Travel Agents (MATTA) president Datuk Tan Kok Liang urged Malaysians to delay their trip to Lombok to avoid putting themselves in danger.

"If there are any Malaysians flying to Lombok, it is advisable for them to contact the respective airline company as well as the travel agent in Indonesia to delay the flight to another time," he said.

The magnitude-7.0 earthquake that struck off north Lombok on Sunday evening was also felt around Sumbawa, Bali and east Java.

The death toll has reportedly exceeded 90 while hundreds more are injured.

On July 29, a magnitude-6.4 quake shook West Nusa Tenggara and Lombok, killing 17 people, including 30-year-old Malaysian Siti Nur Ismawida Ismail.

The earthquake also injured hundreds while more than 5,000 homes were reportedly destroyed.

Gempa pada Ahad lalu jauh lebih dahsyat daripada gegaran seminggu lepas

98 orang terbunuh di Lombok

MATARAM, Lombok — Indonesia memindahkan beratus-ratus pelancong dari resort-resort popular dan mengerahkan anggota penyelamat ke seluruh Pulau Lombok selepas gempa bumi kuat membunuh sekurang-kurangnya 98 orang dan meranapkan beribu-ribu bangunan. Gempa cetek bermagnitud 6.9 itu menakutkan pelancong serta penduduk tempatan seminggu selepas satu lagi gegaran kuat melanda Pulau Lombok, mengakibatkan sekurang-kurangnya 17 orang terbunuh.

Semalam pasukan penyelamat bertungkus-lumus mencari mangsa-mangsa terselamat yang dikuatiri terperangkap di bawah runtuhan rumah, masjid dan sekolah. Bencana terbaharu itu melanda malam kelmarin.

"Seramai 98 orang terkorban dan 209 lagi mengalami kecederaan serius," kata jurucakap Badan Nasional Pengurusan Bencana (BNPB), Sutopo Purwo Nugroho.

"Cabaran yang menanti kami ialah jalan raya rosak, tiga jambatan juga rosak dan sesetengah kawasan sukar untuk dimasuki. Kami pula kekurangan kakitangan," tambahnya.



BERATUS-RATUS pelancong menunggu giliran untuk meninggalkan Pulau Gili Trawangan di daerah Lombok Utara, Indonesia semalam.

Terdahulu semalam, satu operasi dilancarkan untuk memindahkan kira-kira 1,200 pelancong dari Kepulauan Gili, merangkumi tiga pulau kecil yang terletak beberapa kilometer dari pantai di barat laut Lombok dan popular dalam kalangan pelancong serta penyelam.

Denink Ayu yang merupakan penyambut tetamu di sebuah hotel di Pulau Gili Trawangan memberitahu saluran berita CNN Indonesia bahawa semua orang panik selepas gegaran berlaku.

"Kami berebut untuk mendapatkan bot. Kami semua berkumpul di pelabuhan tetapi bot tidak

mencukupi," katanya.

Pulau Gili Trawangan merupakan pulau terbesar di Kepulauan Gili.

Bagaimanapun, lokasi paling teruk terjejas akibat gempa itu ialah Lombok. Gempa kuat itu mengakibatkan ribuan penduduk dan pelancong meluru ke luar untuk menyelamatkan diri. Ramai antara mereka memilih untuk bermalam di luar rumah ketika banyak gempa susulan termasuk gegaran bermagnitud 5.3 terus menggegarkan pulau itu.

Gempa bumi kali ini menyebabkan bekalan elektrik di banyak kawasan di Lombok terputus dengan

sebilangan tempat masih bergelap semalam.

Sutopo berkata, sehingga 20,000 orang dipercayai dipindahkan dari kediaman mereka di Lombok, manakala pasukan paramedik, bekalan makanan dan ubat amat diperlukan.

Di bandar utama Lombok, Mataram, beratus-ratus mangsa terpaksa dirawat di pekarangan hospital-hospital yang rosak.

Ketua daerah Lombok Utara, Najmul Akhyar berkata, sekitar 80 peratus rantau itu mengalami kerosakan akibat gempa bumi tersebut.

"Kami memerlukan

Gempa bumi di Indonesia, 5 Ogos 2018



jentera berat kerana beberapa masjid runtuh dan sebilangan jemaah terperangkap di bawah runtuhan," katanya kepada stesen televisyen tempatan, *Metro TV*. Pelancong luar juga berpusing-pusing meninggalkan pulau itu.

Sementara itu, Menteri Hal Ehwal Dalam

Negeri Singapura, K. Shanmugam, berada di Lombok untuk persidangan keselamatan apabila gempa bumi itu berlaku. Beliau menceritakan di laman Facebook bahawa bilik hotelnya di tingkat 10 bergegar dengan kuat.

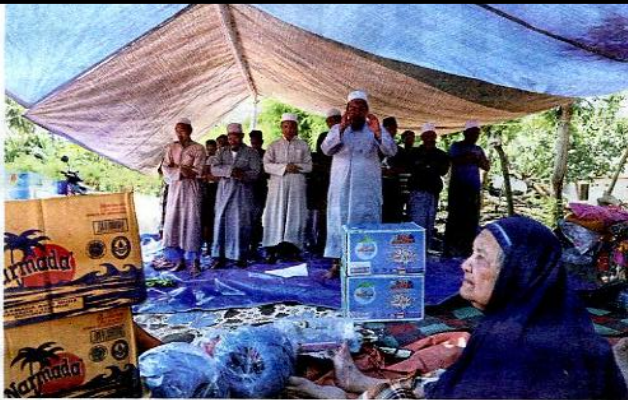
"Dinding merekah, adalah mustahil untuk saya berdiri," katanya. — AFP

LAMPIRAN 8 (SAMBUNGAN)
KOSMO (DUNIA): MUKA SURAT 49
TARIKH: 7 OGOS 2018 (SELASA)



LAMPIRAN 9
THE STAR (WORLD): MUKA SURAT 20
TARIKH: 7 OGOS 2018 (SELASA)

Finding strength: Villagers conducting the evening prayer inside a temporary shelter in Pamenang after the earthquake hit Lombok. — Reuters



Grim task: Soldiers carrying the body of an earthquake victim to an ambulance at North Lombok District General Hospital in Tanjung. — Reuters

2,000 Lombok tourists evacuated

Rescuers take survivors to safety after quake hits island

MATARAM: Indonesia sent rescuers fanning out across the holiday island of Lombok and evacuated more than 2,000 tourists after a powerful earthquake killed at least 98 people and damaged thousands of buildings.

The 6.9-magnitude quake sparked terror among tourists and locals alike, coming just a week after another tremor surged through Lombok and killed 17 people.

Rescuers yesterday searched for survivors in the rubble in the latest disaster on Sunday evening.

National disaster agency spokesman Sutopo Purwo Nugroho said there were fears a number of people were trapped in the ruins of a collapsed mosque in the northern village of Lading-Lading. Footage he posted on Twitter showed the large concrete mosque had pancaked.

A lack of heavy equipment and shattered roads were hampering efforts to reach survivors in the mountainous north and east of the island, which had been hardest hit.

Najmul Akhyar, the head of North Lombok district, estimated that 80% of that region was damaged by the quake.

"We expect the number of fatalities to keep rising," Nugroho said.

He said up to 20,000 people may have had to quit their homes on Lombok and paramedics, food and medication were badly needed.

The spokesman said search and rescue teams also rescued between 2,000 and 2,700 tourists from the Gili Islands, three tiny, coral-fringed

tropical islands a few kilometres off the northwest coast of Lombok.

Some tourists chose to stay behind.

Footage posted online by Nugroho showed hundreds crowded onto powder-white beaches desperately awaiting transport off the normally paradise Gilis.

By early afternoon, hundreds of weary tourists had arrived with their baggage at Bangsal harbour, the main link between Lombok and the Gilis.

Margret Helgadóttir, a holiday-maker from Iceland, described people screaming as the roof of her hotel on one of the islands collapsed. "We just froze: thankfully we were outside," she said tearfully from a harbour in Lombok to where she had been evacuated. "Everything went black, it was terrible."

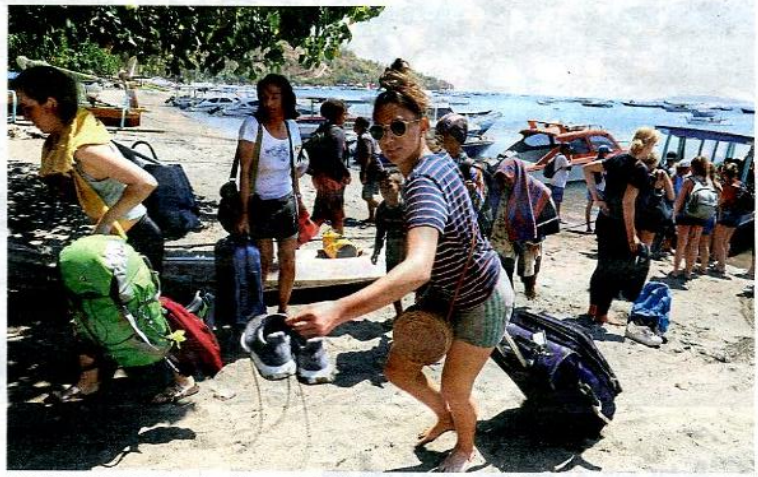
Seven Indonesian holidaymakers died on the largest of the three islands, Gili Trawangan, while another local woman died on nearby Bali.

But it was Lombok which bore the brunt of Sunday evening's quake.

The shallow tremor sent thousands of residents and tourists scrambling outdoors, where many spent the night as strong aftershocks including one of 5.3-magnitude rattled the island.

The quake knocked out power in many areas and parts of Lombok remained without electricity yesterday.

Hundreds of bloodied and bandaged victims were treated outside



Trouble in paradise: Foreign tourists carrying their belongings as they leave Gili Trawangan as many others (below) crowd the beach to escape danger. — Reuters

damaged hospitals in the main city of Mataram and other hard-hit areas.

Patients lay on beds under wards set up in tents, surrounded by drip stands and monitors, as doctors in blue scrubs attended to them.

Singapore's Home Affairs Minister K. Shanmugam, who was in Lombok for a security conference when the earthquake struck, described on Facebook how his hotel room on the 10th floor shook violently.

"Walls cracked, it was quite impossible to stand up," he said. — AFP



Seeking medical attention: (Top and left) Injured quake victims receiving help from medical professionals at a makeshift ward set up outside the Moh Ruslan Hospital in Mataram after the quake struck the night before. — AFP

LAMPIRAN 10
KOSMO (DUNIA): MUKA SURAT 48
TARIKH: 7 OGOS 2018 (SELASA)

Hujan paling panas di dunia turun di California

LOS ANGELES, California - Amerika Syarikat (AS) dikejutkan dengan fenomena alam semula jadi hujan paling panas di dunia yang turun di bandar Imperial, California baru-baru ini.

Pakar cuaca tempatan, Jeff Masters berkata, hujan yang

turun pada 24 Julai lalu itu mencatatkan suhu 48.3 darjah Celsius. Hujan itu sungguh panas sehingga seorang penduduk tempatan melaporkan, ia menyebabkan mereka sukar bernafas.

Pada hari kejadian, suhu di

Imperial dilaporkan mencecah 49.4 darjah Celsius dan hampir menyamai rekod suhu tertinggi yang pernah dicatatkan di kawasan itu pada 28 Julai 1995 iaitu 51.1 darjah Celsius.

Masters berkata, suhu di Imperial mungkin menjadi lebih

tinggi sekiranya hujan tidak turun pada pukul 3.53 petang (waktu tempatan) hari berkenaan.

Rekod hujan paling panas di dunia sebelum ini ialah 47.8 darjah Celsius yang dicatatkan di Needles dekat Imperial pada 3

Ogos 2012.

Tambah Masters, hujan pada suhu melebihi 37.8 darjah Celsius jarang berlaku kerana haba pada takat tersebut biasanya 'disertai tekanan tinggi dengan udara terbenam', menyebabkan awan sukar terbentuk. - Agensi

ATTEMPT TO QUELL PROTESTS

BANGLADESH FLOATS DEATH PENALTY FOR ROAD DEATHS

Minister says cabinet has approved law for accidents 'caused deliberately'

DHAKA

BANGLADESH yesterday promised to introduce the death penalty for deliberate road deaths in a bid to quell more than a week of demonstrations calling for better road safety, as new student-led protests were met with tear gas and rubber bullets.

Law and Justice Minister Anisul Huq said the cabinet had approved a new law allowing for the death penalty "if an investigation finds that the death in a road accident has been caused deliberately".

Over the weekend, scores of people were hurt as police fired



Students protesting over a recent traffic accident that killed two teenagers, in Dhaka on Sunday. REUTERS PIC

tear gas and pro-government mobs attacked demonstrators, photographers and even the United States ambassador's car.

The tens of thousands of teenage school pupils and university students who have paralysed the capital and elsewhere for the

past nine days were pressing for better road safety after a speeding bus killed two teenagers on July 29.

The latest clashes yesterday in the Rampura neighbourhood saw police use tear gas to disperse students from a private university, lo-

cal police chief Rafiqul Islam said.

"They tried to set ablaze a police camp. We fired tear gas to disperse them," he said, adding that four officers were injured.

Students said police fired rubber bullets at protesters in an area home to two private universities and members of the student wing of the ruling Awami League party attacked the protesters with sticks and bricks.

"The situation is very bad. We have carried at least three students to the nearby Apollo Hospital," student Z. Mallick said.

The protests took a violent turn in Dhaka on Saturday, with more than 100 people hurt as police fired rubber bullets at demonstrators, according to students and doctors who treated the injured.

The authorities have shut down mobile Internet services across swathes of the country and Prime Minister Sheikh Hasina urged students to go home. **AFP.**

Sea cucumbers dying due to high temperatures

BEIJING: High temperatures have caused deaths of sea cucumbers in a large area in northeast China's Liaoning province this summer, China Central Television reported.

Sea cucumbers die and decompose when the water temperature rises above 30°C, said Yu Chang, a farmer who has been raising sea cucumbers for more than 10 years.

The water temperature was about 25°C to 26°C in past years, but this year, the temperature reached 35°C to 36°C around 2pm in recent days, Yu said.

The high temperature wiped out sea cucumbers in 90% of his pools, he said.

Based on the current prices of sea cucumbers sold in the market, the loss will reach about 10 million yuan (RM5.9mil) this year, Yu said.

Now many farmers have hired divers to fish sea cucumbers, hoping to reduce the loss.

Some divers said that lots of dead sea cucumbers have turned slimy in the water.

Yu said such sea cucumbers will not be sold in the market as they do not meet the standard. — China Daily/Asia News Network

Scientists design electronic skin to monitor health

BEIJING: Chinese scientists have developed a graphene-based tattoo-like electronic skin that could function as a wearable device to monitor a person's health.

Electronic skin refers to thin, flexible and stretchable electronic material that mimics human skin and can sense pressure, temperature and stretch.

Graphene, a superthin material with excellent flexibility and conductivity, is an ideal material for electronic skin, according to the experts.

Scientists from Tsinghua University have demonstrated how to make graphene-based electronic skin using laser scribing technology.

In a process aided by water, the electronic skin is transferable not only to human bodies but also to other substrates such as

leaves and silk.

It could also be attached to human skin and used to measure such things as body functions – a person's breathing, heartbeat and voice, for example.

The electronic skin exhibits high sensitivity and long-term stability.

It can withstand high temperatures and is comfortable to wear, according to the scientists, whose research was published in the journal *ACS Nano*.

Electronic skin has huge potential in health-care and intelligent systems, the scientists said.

They added that with laser scribing technology, the pattern of the graphene-based electronic skin can also be personalised, a feature that could help commercialisation.
— Xinhua

Remembering Hiroshima, 73 years on

Mayor calls for a world free of nuclear weapons during ceremony

TOKYO: A bell tolled in Hiroshima as Japan marked 73 years since the world's first atomic bombing, with the city's mayor warning that rising nationalism worldwide threatened peace.

The skies over Hiroshima's Peace Memorial Park were clear yesterday, just as they were on Aug 6, 1945, when an American B-29 bomber dropped its deadly payload on the port city dotted with military installations, ultimately killing 140,000 people.

Hiroshima Mayor Kazumi Matsui, standing at the park near ground zero for the annual ceremony, made his annual call for a world without nuclear weapons and warned of the threat of rising nationalism.

Without naming specific nations, he warned that "certain countries are explicitly expressing self-centred nationalism and modernising their nuclear arsenals".

They were "rekindling tensions that had eased with the end of the Cold War," he said.

Matsui urged the abolition of nuclear weapons in a year when US President Donald Trump pledged to increase the US nuclear arsenal.

"If the human family forgets history or stops confronting it, we could again commit a terrible error."

"That is precisely why we must continue talking about Hiroshima," Matsui said.

"Efforts to eliminate nuclear weapons must continue."

His call however highlighted Japan's contradictory relationship with nuclear weapons.

Japanese officials routinely argue that they oppose atomic weapons, but the nation's defence is dependent on the American nuclear umbrella.

Prime Minister Shinzo Abe, whose government has chosen not to participate in the UN Treaty on the Prohibition of Nuclear Weapons, said at the ceremony that Japan's responsibility was to bridge the gap between nuclear and non-nuclear nations.

"In recent years, it has become evident that gaps exist among countries about ways to proceed with nuclear arms reduction," Abe told the ceremony, without directly referring to the treaty.

"Our nation, while maintaining our (non-nuclear weapons) principles, will patiently work to serve



A grim reminder:

The Hiroshima Atomic Bomb dome (foreground) still stands as people attend the memorial service in Hiroshima. (Below) Matsui (right) offering a new list of people killed, including those who died since last year's anniversary from the side effects of radiation. — AFP

as a bridge between the two sides and lead efforts by the international community to reduce nuclear weapons," Abe said.

Japan suffered two nuclear attacks by the United States at the end of World War II – first in Hiroshima and then in Nagasaki three days later.

The bombings claimed the lives of 140,000 people in Hiroshima and 74,000 people in Nagasaki.

Barack Obama became the first sitting US president to visit Hiroshima in May 2016. — AFP



LAMPIRAN 15
THE STAR (WORLD): MUKA SURAT 23
TARIKH: 7 OGOS 2018 (SELASA)

Students use VR to recreate bombing



Just like real: A student at Fukuyama Technical High School watching Hiroshima city before atomic bomb fell in virtual reality experience. — AP

FUKUYAMA: It's a sunny summer morning in the city of Hiroshima, Japan. Cicadas chirp in the trees. A lone plane flies high overhead. Then a flash of light, followed by a loud blast. Buildings are flattened and smoke rises from crackling fires under a darkened sky.

Over two years, a group of Japanese high school students has been painstakingly producing a five-minute virtual reality experience that recreates the sights and sounds of Hiroshima before, during and after the United States dropped an atomic bomb on the city 73 years ago yesterday.

By transporting users back in time to the moment when a city was turned into a wasteland, the students and their teacher hope to ensure that something similar never happens again.

"Even without language, once you see the images, you understand," said Mei Okada, one of the students working on the project at a technical high school in Fukuyama, a city about 100km east of Hiroshima.

Wearing virtual reality headsets, users can take a walk along the Motoyasu River prior to the blast and see the businesses and buildings that once stood.

They can enter the post office and the Shima Hospital courtyard, where the skeletal remains of a building now known as the Atomic Bomb Dome stand on the river's banks, a testament to what happened.

The students, who belong to the computation skill research club at Fukuyama Technical High School, were born more than half a century after the bombing.

To recreate Hiroshima, the students studied old photographs and postcards and interviewed survivors of the bombing to hear their experiences and get their feedback on the VR footage. — AP

ULANG TAHUN KE-73 PENGEBOMAN HIROSHIMA

Jepun mohon dunia aman tanpa nuklear

➡ Beri amaran peningkatan nasionalisme seluruh dunia ancam keamanan sejagat

► Tokyo

Loceng dibunyikan di Hiroshima, semalam menandakan ulang tahun ke-73 sejak ledakan bom atom pertama di Hiroshima, serentak dengan amaran datuk bandar bahawa peningkatan nasionalisme di seluruh dunia boleh mengancam keamanan sejagat.

Keadaan tenang

Langit yang memayungi Taman Peringatan Keamanan Hiroshima kelihatan tenang, sama seperti keadaan pada 6 Ogos 1945 apabila pesawat pengebom milik Amerika, B-29 menjatuhkan senjata pemusnah itu di bandar pelabuhan berkenaan dan meragut 140,000 nyawa.



Pemandangan yang aman di Peace Memorial Park ketika orang ramai, termasuk Perdana Menteri, Shinzo Abe menghadiri majlis peringatan Ulang Tahun Ke-73 Pengeboman Hiroshima, semalam.

Info

Serangan bom atom

➔ **Jepun menderita** selepas dua serangan nuklear oleh tentera Amerika Syarikat pada penghujung Perang Dunia Kedua - yang pertama di Hiroshima dan kemudian di Nagasaki, tiga hari kemudian.
➔ **Pengeboman itu** meragut nyawa 140,000 penduduk di Hiroshima dan 74,000 di Nagasaki.



[FOTO EPA]

Mahu dunia tanpa senjata

Datuk Bandar Hiroshima, Kazumi Mitsui yang berdiri berhampiran lokasi kejadian untuk majlis tahunan itu memulakan acara dengan mengesakan kewujudan dunia tanpa senjata nuklear dan turut memberi amaran berhubung kebangkitan nasionalisme.

Tanpa menamakan negara tertentu, beliau memberi amaran sesetengah negara secara keterlaluan menyerlahkan semangat masing-masing dan menambah baik senjata nuklear milik mereka.

Manusia lupa sejarah

"Mereka memulakan semula ketegangan yang sebelum ini sudah terhapus bersama tamatnya era Perang Dingin.

"Jika manusia berterusan melupakan sejarah atau berhenti menjadikan ia sebagai pengajaran, kita sekali lagi akan mengulangi malapetaka ini. Kerana itu kita perlu sentiasa bercakap mengenai Hiroshima," katanya.

Matsui berkata, usaha untuk menghapuskan senjata nuklear perlu diteruskan.

AFP

Europe sizzles in heatwave

Exceptionally high temperatures prompt health warnings

MADRID: Europe sweltered through an intense heatwave, with soaring temperatures contributing to forest fires, the closure of nuclear plants and even a threat to the Netherlands' supply of potato fries, although some countries experienced a slight respite.

Here is a roundup:

In **Spain**, a top temperature of 42°C was forecast in the southwest region of Extremadura where a wildfire in San Vicente de Alcantara has been brought under control by firefighters, the local fire service said. The mercury had reached 44°C in the country's south on Saturday.

The rise in temperatures has already claimed the lives of three people who died of heatstroke this week.

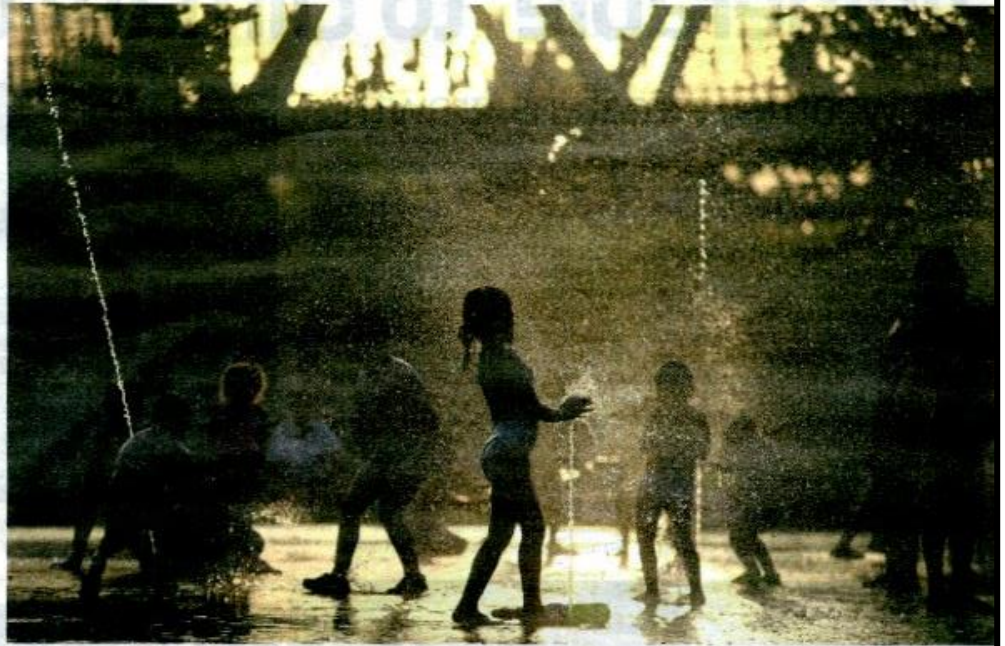
In **Portugal**, the mercury hit 45°C in some parts of Portugal on Sunday, a day after weather records in several cities were broken on Saturday, the hottest day for 18 years according to the Portuguese Institute for Sea and Atmosphere.

Faced with the heatwave the national rail company admitted that there had been air conditioning problems on some trains and halted the sale of tickets for certain routes.

A forest fire continued to rage on two fronts in Monchique in the country's south on Sunday.

In **France**, 67 out of 101 departments were on heatwave alert with temperatures in the south of the country expected to again peak near 40°C.

The emergency services complained that, despite public health warnings about keeping cool and hydrated, there was "still quite a lot of recklessness" - citing the example of an elderly man in Lyon who suffered heart problems while mowing his lawn under the merci-



Beating the heat: People cooling off in an urban beach at Madrid Rio park in Madrid. Hot air from Africa is bringing a heatwave to Europe. — AP

less afternoon sun.

The heat has also caused air pollution levels to soar. To try to clear the air, the city of Paris has banned owners of the most polluting categories of vehicles from using their cars yesterday.

In **Italy**, several thunderstorms flooded streets in Sicily and Sardinia in the south of Italy on Sunday, cooling down a the heatwave that has caused traffic problems on the country's busiest summer weekend on the roads.

Tourists on the Italian island of Pantelleria, near Tunisia, said they

had seen a tornado off the coast on Saturday.

In **Germany**, isolated showers and thunderstorms brought some relief from the heat in parts of Germany this weekend, particularly in the south. However temperatures are expected to climb again to as high as 39°C in the east tomorrow.

The heat also slightly abated in **Britain** on Sunday, with the high of just over 30°C expected in the south of England, according to the Met Office, which predicted the heatwave would continue until today.

Public Health England told those

in the southeast to stay in the shade and drink lots of water.

While the temperature was down to a near-seasonal 25°C in the **Netherlands** on Sunday, the country's drought continues to wreak havoc on crops.

Farmers are working night and day to save what they can, the Dutch broadcaster NOS reported, with potato and corn yields hit particularly hard.

Producers have warned that a potato shortage could affect the supply of fries, a Dutch favourite. — AFP

Region 'vulnerable' to climate change

Experts: Worsening weather threatens growth

JAKARTA: As the recent bout of extreme weather sets deadly records in parts of Asia, it also underscores just how vulnerable South-East Asia's emerging economies and even some of their wealthier neighbours are to climate change.

Scientists have long warned that climate change will likely trigger more extreme heatwaves, floods, droughts and storms.

But far from being a future threat, the risks are increasingly clear right now.

In Laos, the Red Cross says it expects to need to care for up to 7,500 people after a dam collapsed during unusually heavy monsoon rain.

In the Philippines, thousands of

households are still struggling to recover from Tropical Storm Tembin which tore through Mindanao late last year.

With its shaky infrastructure, crowded cities and economies that are largely reliant on agriculture, South-East Asia is the region most at risk from climate change, said Will Nichols, head of environment at global risk analytics and research company Verisk Maplecroft.

He said it was difficult to link any one event to climate change, but the trend was clear.

He said: "We know that average global temperatures are steadily rising year on year.

"These heatwaves fit with climate

models' projections of more frequent and severe extreme weather."

Experts also say many of South-East Asia's low-lying coastal megacities are at increasing risk from rising sea levels caused in part by melting ice caps and glaciers.

Verisk Maplecroft research suggests that the Philippines and Indonesia are the most vulnerable to extreme weather, while wealthier countries such as Thailand and Singapore are less at risk.

The head of Indonesia's National Disaster Management Agency, Dr Sutopo Nugroho, said extreme weather events are now increasingly frequent in the country as well. — The Straits Times/Asia News Network



Delicate balance: With a largely agricultural economy, South-East Asian nations are susceptible to climate change issues. —AP

Laos dam collapse death toll rises to 31

BANGKOK: The death toll from a massive dam collapse in southern Laos has jumped to 31, officials said, with scores still missing weeks after the unprecedented disaster that swept villages and farmland away.

Information about the number of dead and missing has trickled out of the disaster zone since the July 23 dam collapse in the secretive state unaccustomed to organising large-scale rescue operations – and the global media scrutiny the deadly disaster has drawn.

An official in southern Attapeu province said the death toll had climbed and scores were still missing weeks after the dam burst, unleashing a wall of water across a large swathe of the province.

“Over the past day, teams have put the death toll at 31 while the number of missing is at 130,” Ounla Xayasith, the deputy governor of Attapeu, told reporters on Sunday.

The number of dead and missing has fluctuated wildly since the disaster, with officials and state media

offering conflicting information in the days after the dam burst.

The US\$1.2bil (RM4.89bil) dam – a joint venture between South Korean, Laotian and Thai firms – broke after heavy rains, submerging about a dozen villages in one of Laos’ poorest provinces.

Homes and farms were washed away instantly and panicked residents ran into the forest or onto rooftops seeking safety after they were given little warning of the impending deluge. — AFP