LAMPIRAN 1 MALAY MAIL (TOP NEWS): MUKA SURAT 10 TARIKH: 20 JULAI 2018 (JUMAAT)

Energy efficiency law to cut carbon emission

By May Robertson
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PUTRAJAYA — An Energy Efficiency Bill will be introduced next year to help Malaysia cut carbon emission by 45 per cent by 2030 in compliance with the Paris climate accord.

Energy, Green Technology, Science and Climate Change Minister Yeo Bee Yin said the target was not too far from sight and it would continue to be a priority for the Pakatan Harapan government.

"Former prime minister Datuk Seri Najib Razak's pledge to reduce carbon emission is something the government believes in, and we want to implement this as well," she said in an interview with Malay Mail.

"To facilitate the reduction of carbon intensity, we have an energy efficiency Bill coming next year. It is still in the Attorney-General's Chambers and it still has to be reviewed.

"This is among our efforts to reduce carbon dioxide emission intensity, we are not too far from the 2030 target, and I think we have a conservative plan because Malaysia can do more."

Under the 2015 Paris accord signed by 195 countries, governments agreed to keep global temperatures "well below 2°C"



above pre-industrial levels and, ideally, aim to limit the increase to 1.5°C.

President Donald Trump notified the United Nations last year the United States planned to withdraw from the Paris agreement.

Yeo, who is also the Bakri MP, stressed that the notion of being a "green country" was a necessary move to progress economically.

"Carbon dioxide reduction is not a 'save the world' thing, but nearly all countries have signed the Paris agreement and that means a lot of countries will need low carbon products, industries or technologies, so I think Malaysia can move towards that direction," she said.

"Malaysia is a small emitter of carbon dioxide comparatively. If you look at how we reduce global warming, Malaysia, being such a small country, will not contribute much to the reduction no matter how we try.

"That's why we should approach

it differently. As we reduce emission, we should also build the green industry, then we create jobs and experts in the industry so that when there is a demand for this in the world, we will not be left behind."

In 2015, Malaysia's recorded carbon emission was down by 33 per cent compared to 2005.

Najib had previously said Malaysia was determined to be carbon neutral by 2050.

To be carbon neutral indicates that there is zero net carbon emission released into the atmosphere.

Climate change, or global warming, is the damaging effects of greenhouse gasses emitted from human activity like the burning of fossil fuels and agriculture.

LAMPIRAN 2 NEW STRAITS TIMES (BUSINESS/ NEWS): MUKA SURAT B12 TARIKH: 20 JULAI 2018 (JUMAAT)

MDEC, AXIATA INK CYBERSECURITY MOU

Public-private partnership set to strengthen talent development, future-proof Malaysia's digital economy

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ALAYSIA Digital Economy Corporation (MDEC) and Axiata Group Bhd have standing (MoU) to boost the nation's cybersecurity industry by strengthening talent develop ment and future-proofing inno-

In a statement, MDEC said the

partnership would benefit institutions of higher learning, the startup community and government agencies.

The public-private partnership was established due to the fast-growing opportunities in the dig-

ital economy.

MDEC chief operating officer Datuk Ng Wan Peng said efforts to strengthen the cybersecurity industry was crucial to the coun-

try's digital economy.
"It is essential to drive partnerships, especially with one of

the leading telecommunications groups in Asia. Axiata's 350 mil-lion customers make it a good testbed to future-proof cyberse-curity innovation," she said.

Axiata president and group chief executive officer Tan Sri Jamaludin Ibrahim said the MoU highlighted the group's commit-ment to work with MDEC to drive the transformation of the country into a world leader in cyber-security and digital resiliency. "Axiata will leverage our re-gional knowledge pool of experts

and innovators to impact national policies, build capacity, develop local talents, share solutions and exchange information."

Jamaludin said Axiata was committed to talent development and would support MDEC's initiatives in creating cybersecu-rity talents through industrial and upskilling internships as well as mentorships

MDEC said to become a highincome nation, Malaysia needed to maintain its economic growth momentum with a focus on the

digital economy, which con-tributed 18.2 per cent to the country's gross domestic prod-uct in 2016.

The International Data Corporation forecasts Malaysia's secu-rity services market to grow from RMI billion in 2016 to RM2.5 billion by 2021 at a compound an-nual growth rate (CAGR) of 21.1

The security services market in Southeast Asia is expected to reach RMIO billion by 2021 at CA-GR 22.28 per cent.

LAMPIRAN 3 NEW STRAITS TIMES (NEWS): MUKA SURAT 10 TARIKH: 20 JULAI 2018 (JUMAAT)

UNITED NATION STUDY

Malaysia ranks 3rd in 2017 Global Cybersecurity Index

MALAYSIA is ranked third, behind Singapore and the United States, in the Global Cybersecurity Index (GCI) 2017, the Dewan Rakyat was told yesterday.

Minister in the Prime Minister's Department Datuk Liew Vui Keong said in the Asia-Pacific region, Malaysia was ranked second behind Singapore, while Australia was third.

"GCI, which was conducted by International Telecommunication Union (ITU), a body under the United Nations, measures the commitment of countries to cybersecurity. "The index was based on five pillars — legal, technical, organisational, capacity-building and cooperation," he said in reply to a question by Datuk Seri Reezal Merican Naina Merican (BN-Kepala Batas).

Liew said the achievement was attributed to the government's efforts in establishing an effective governance in cybersecurity management.

He said Malaysia's involvement in spearheading initiatives at regional- and internationallevels contributed to the success.



Cyber threats come in many forms due to the evolution of the globa information and communications technology. FILE PIC

"Improvements in cybersecurity did not stop there and will be improved."

This, he said, was because of the dynamic nature of cybersecurity management environment as cyber threats came in various forms due to the evolution of the global information and communications technology.

LAMPIRAN 4 BERITA HARIAN (DEWAN RAKYAT): MUKA SURAT 15 TARIKH: 20 JULAI 2018 (JUMAAT)

Malaysia di tempat ketiga senarai GCI 2017

Malaysia disenaraikan di kedudukan ketiga senarai terbaru Indeks Keselamatan Siber Global (GCI) 2017.

Menteri di Jabatan Perdana Menteri, Datuk Liew Vui Keong berkata, kedudukan Malaysia itu di belakang Singapura dan Amerika Syarikat

Katanya, di peringkat Asia Pasifik, Malaysia berada di kedudukan kedua, di belakang Singapura, manakala Australia di tangga ketiga.

"GCI adalah penanda aras kepada komitmen sesebuah negara dalam bidang keselamatan siber yang dikeluarkan oleh International Telecommunication Union (ITU), kesatuan di bawah Pertubuhan Bangsa-Bangsa Bersatu (PBB).

"Indeks berkenaan diukur berdasarkan lima kategori iaitu perundangan, teknikal, organisasi, pembangunan keupayaan dan rangkaian hubungan kerjasama," katanya dalam jawapan bertulis kepada soalan Datuk Seri Reezal Merican Naina Merican (BN-UMNO Kepala Batas) di Dewan Rakyat, semalam.

Pencapaian cemerlans

Vui Keong berkata, pencapaian cemerlang itu adalah berdasarkan usaha kerajaan dalam mewujudkan tadbir urus berkesan dalam pengurusan keselamatan siber di negara ini.

Katanya, pembabitan aktif Malaysia serta kesediaan negara dalam menerajui inisiatif di peringkat serantau dan antarabangsa turut menyumbang kepada kejayaan berkenaan.

"Usaha penambahbaikan pengurusan keselamatan siber negara tidak terhenti dengan pencapaian itu sahaja sebaliknya akan diteruskan dan dipertingkatkan.

"Persekitaran pengurusan keselamatan siber adalah berisfat dinamik dengan cabaran perubahan ancaman keselamatan siber pelbagai bentuk baharu ekoran evolusi teknologi komuniksi dan maklumat global," katanya.



66

GCI adalah penanda aras kepada komitmen

sesebuah negara dalam bidang keselamatan siber yang dikeluarkan oleh International Telecommunication Union (ITU), kesatuan di bawah Pertubuhan Bangsa-Bangsa Bersatu (PBB)"

Liew Vui Keong, Menteri di Jabatan Perdana Menteri

LAMPIRAN 5 BERITA HARIAN (ISU): MUKA SURAT 11 TARIKH: 20 JULAI 2018 (JUMAAT)

Transformasi 'kolar baharu' TVET

lobalisasi ekonomi dunia dan transformasi perin-dustrian bergerak menuju era megatrend dan Revolusi Perindustrian 40 (IR 4.0). Mahu tidak mahu, feno-mena pelbagai peringkat menim-bulkan cabaran dan peluang bagi perkembangan dunia perniaga masa kini untuk bergerak pada momentum lebih pantas.

Sejauh manakah perkemba-ngan dan transformasi ini akan memberi kesan positif? Persoalan itu perlu diteliti kerana ketika ini kita berada dalam revolusi tek-nologi yang mengubah rutin ke-hidupan, kaedah bekerja, pemikiran masa depan dan semakin membolehkan mesin dan perisi-an menggantikan manusia. Perusahaan dan individu yang

agresif merebut peluang yang di-tawarkan oleh kemajuan digital akan mendapat manfaat sementara mereka yang duduk selesa, akan kehilangan segala-galanya Justeru, perlu ada peluang baha-ru bagi kreativiti tenaga kerja, sekali gus meningkatkan standard

naga kerja mahir. Automasi akan terus memacu dan berkembang pada dekad yang mendatang. Kemajuan tek-nologi membentuk kategori pe-

Komentar



Dr Mohamad Rozi

Pensyarah Kanan, Fakulti Pengurusan Industri, Universiti Malaysia Pahang dan Ketua Pegawai Eksekutif UMP Advanced

kerjaan baharu, ekoran inovasi dalam kecerdasan buatan, robo-tik, Internet of Things, kenderaan elektrik, percetakan tiga dimensi, nanoteknologi, bioteknologi, sains bahan, penyimpanan tenaga dan robotik mudah alih yang canggih, semuanya memacu perkemba-ngan ini.

Potensi manusia

Potensi manusia Berbilion-bilion manusia dihubung-kan dengan peranti mudah alih, kuasa pemerosesan, kapasiti pe-nyimpanan dan akses terhadap il-mu pengetahuan yang tidak pernah berlaku sebelum ini, memberikan

potensi yang tidak terbatas.

Automasi bukan sahaja memben kesan pekerjaan kolar biru, namun juga memberi ancaman kepada pekerjaan kolar putih. Ada beberapa jenis pekerjaan ba-haru yang belum wujud pada ma-sa ini sudah mewujudkan klasifikasi pekerjaan yang berbeza yang dikenali sebagai 'kolar ba-haru', pekerjaan tenaga mahir de-ngan kemungkinan tidak memerlukan graduan lepasan universiti untuk mengisi kekosongan spek-trum itu. Sarah Boisvert dalam bukunya

Sarah Boisyert dalam bukunya The New Collor Workforce, ada me nyebut; "Kami mengalami peru-bahan mendadak yang menjejas-kan keseluruhan ekosistem dan strategi pembuatan dan pengelua-ran. Pemikiran radikal diperlukan untuk menjambatani jurang ke

untuk menjambatani jurang ke-mahiran yang masih ada di ke-banyakan sektor pembuatan". Evolusi pekerjaan tradisional kolar biru ke dalam pekerjaan yang berfikiran digital yang be-kerja secara simbiotik dengan ro-bot dan teknologi pintar akan menjadi kunci kepada pertumbu han mampan. Kerangka pekerja-an kolar baharu yang kini tersedia menyebabkan syarikat men-cari tenaga kerja yang lebih berkelayakan dan kompetitif.

Permintaan tinggi

Pekerjaan kolar baharu mendapat permintaan yang tinggi dalam in-dustri pembuatan, dengan pekerjaan kemahiran rendah yang se-belum ini dikategorikan sebagai pekerja kolar biru, kini diautoma-sikan oleh robot dan jentera ber-

Memandangkan mesin inovatif terus berkembang pesat, ada keperluan bagi pekeria terlatih untuk membina, menyelenggara, mengemas kini dan membekal-kan bahagian untuk teknologi ini.

Mengorak ke depan bercirikan mengorak se depan berkirikan perspektif industri negara dan bersesuaian dengan semangat kerja Malaysia Baharu, pelantikan Ahli Parlimen Permatang Pauh, Nurul Izzah Anwar yang mem-pengerusikan Jawatankuasa Pe-merlasan Pendidikan den Lai merkasaan Pendidikan dan Lati-han Teknikal dan Vokasional Ma-laysia (TVET), memberi harapan besar supaya jawatankuasa itu da-

oesar supiya jawatankuasa itu da-pat mendepani tuntutan peker-jaan kolar baharu. Mungkin boleh dimulakan ini-siatif 3P (private-public-part-nership) di antara institusi latihan awam dan swasta serta pihak in-dustri, mewujudkan program ni-

lai tinggi bagi menyedia dan me-madankan tenaga kerja kolar ba-

madankan tenaga kerja kojar baharu dengan pekerjaan sektor pembuatan maju. Sebagai contoh, pekerjaan kim-palan hari ini memerlukan kema-hiran peringkat tinggi, terutama dalam matematik dan teknologi. Jadi, pekerja boleh menyelesaikan masalah berkaitan mesin. Ia mungkin memerlukan tenaga ker-ja mahir ini mendaftar dalam program pensijilan profesional atau kompetensi melalui Pendi-dikan Sepanjang Hayat (PSH). Sesetengah industri yang secara

Sesetengah industri yang secara aktif merekrut pekerja kolar baharu juga merancang laluan pendidikan mereka sendiri yang menyediakan pekerja untuk pekerjaan dalam syarikat mereka.

Ia juga dalam rangka mendorong pertumbuhan dan pengembangan penyediaan tenga kerja kolar baharu yang kompeten, berfikiran digital yang bekerja secara simbiotik dengan robot dan teksimbiotik dengan robot dan tek-

nologi pintar. Ini sekali gus memberdayakan masyarakat sekitar menjadi tenaga kerja industri, sehingga dapat meningkatkan kesejahteraan ma-syarakat dan mencegah munculnya isu sosial, selain mendepani cabaran globalisasi IR 4.0.

LAMPIRAN 6 NEW STRAITS TIMES (OPINION): MUKA SURAT 16 TARIKH: 20 JULAI 2018 (JUMAAT)



DR ADHA

EDUCATION

LET'S NOT NEGLECT THE SOFT SKILLS



To thrive in the 21st century, universities must engage, and students must participate

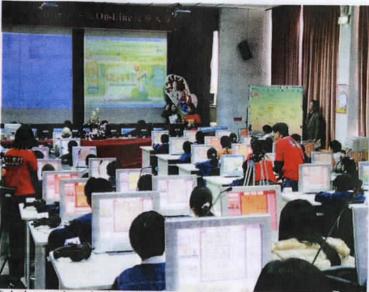
IVEN that the discussions about the future of education have of education have shifted to world rank ing, means of learning, and stu-dents' mastery of languages, this writer forecasts a surge in com

mitment to improving these ar-eas in the coming years. Perhaps, this could be a step forward in harnessing the latest technological revolution, in addition to stressing teacher's hard work and commitment, and stu-dent's participation in current initiatives

In recent years, this writer has noticed that the tech industry and its cumulative impacts on toand its cumulative impacts on to-day's education are proliferating via the nuances of "digitalisa-tion". How technology continu-ously barges its way into sales, marketing, and supply chains is also not a "fleeting" thing. The Mckinsey Global Institute esti-mates that applying Artificial In-telligence (AI) on businesses could create an economic value of could create an economic value of US\$2.7 trillion (I\)M39.4 trillion) over the next 20 years. Many fret that it could wipe out jobs, and take over the psychical and cog-nitive aspects of labour. Hence, it native aspects of labour. Hence, it is not a mere historic event. Tech nology is playing out to asser; its supremacy in education in the 21st century. This writer is certain that there will be more clarity than conviviality in technology.

ogythan education.

Nevertheless, banking too much on technology makes one less familiar with education. In reality, technology might not be helping students to acquire the much needed social skills and emotional intelligence. Techno-logical advancement causes disruption, and to depart from be-ing held a captive of technology, this writer calls for the mastering of humanities, civic literacy, glob-al awareness, cross-cultural skills, cultural diversity and ecological literacy



Technology can do wonders in providing a great educational experi-requires universities to engage and students to participate. REUTERS PIC nce: 21st century education

Life is remarkably complex as ociety matures through human social matures through human inter relationships, behaviours, attitudes, norms, and foremost, social factors — they all play a central role in shaping our intel lectual capabilities. These human trajectories eventually dictate trajectories eventually dictate the development of society. The essence of education involves nurturing students with "real skills". It is because of the following fundamental difference in Al, the key word is "artificial", while the human being is "real".

So, how does education help a student acquire the other essentials? The rule is to re-route in tals?

tials? The rule is to re-route in-tellectual commitment to "en-gagement" in education. Many are already clamouring that the issue in today's education is more than just revolutionising the means of teaching and learning. Rather, at the heart of learning is engagement. In principle, en gagement influences the process of teaching, and is the key to innovation.

Acknowledging the signifi-cance of "engagement", Profes-

sor Andrew Walker of Monash University said, "Engagement is the key to what universities do. We are perfectly situated to engage with industries, and to shape a research agenda that will meet the productivity challenges

of industry in the new Malaysia". Clearly, the goal of higher ed-ucation should be consistent with iterature that supports the view that, to thrive in the 21st century, universities must engage, and students must participate. This vision of education can be en-hanced by:

EXPERIENTIAL entrepreneurial education, in which students take up a year internship at startups eas: and

SERVICE learning, in which stu-

SERVICE learning, in which stu-dents engage with local commu-nities to create distinctive solu-tions to social problems.

The goals of such initiatives-commensurate with the long-term agenda of nurturing global leaders with amazing social skills, socio-ecological intelligence and leadership. In a similar vein, it facilitates research.

This writer envisions the 21st century education in the follow ing ways: for scholars, it means the overall work of the academy moves towards increasing partic ipation involving broader public discourses. For students, it will mean nursing creative thinking mean nursing creative thinking and empathy. For communities and the public, it will mean they simply cannot be detached from the higher education discourse. The further reality is education's role in sharing knowledge be-tween learners and for learning from the masses.

from the masses.
Hence, it is called a cross fer tilisation of facts. And, for that reason, a multi-disciplinary ap-proach to research and teaching via engagement warrants an at-tention. This writer has greatly benefited from embracing diversities through engagement. Why not others from all sections of society?

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The writer is a research fellow at institute of Advanced Islamic

Nevertheless, banking too much on technology makes one less familiar with education. In reality, technology might not be helping students to acquire the much needed social skills and emotional intelligence.

LAMPIRAN 7 THE STAR (WORLD): MUKA SURAT 30 TARIKH: 20 JULAI 2018 (JUMAAT)

Baptism at sea for first women to join France's nuclear subs

ILE LONGUE (France): Drinking a bowl of seawater followed by a glass of champagne, four French officers stood out during the traditional "baptism" to mark their Inaugural submarine patrol: the first women to join a crew in the country's nuclear-powered fleet.

"Tm proud to have become part of the submarine family," said Harmonie, a 27-year-old security specialist on Le Vigilant, after returning from her first 10-week mission on the sub.

"Tm ready to go out again," she

"I'm ready to go out again," she

France has become just the third country to bring women on board

its nuclear-powered subs, which operate much longer and isolated missions than traditional vessels, after the US and Britain.

And officials hope the four women will inspire others to join

them.

"The navy needs recruits. Today women make up 15% of its ranks, they're an asset for us and we want to keep recruiting them," said Captain Christian Houette, commander of the four nuclear-powered, nuclear-armed subs in France's dissuasion force, based on the Ile Longue peninsula near the western city of Brest.

The nuclear subs were the last

element of the French navy to element of the French navy to exclude women, reflecting concerns about the sacrifices required for long missions, as well as difficulties in adapting personnel quarters in such tight spaces.

"Some crew members were a bit reluctant, with questions that were largely practical, they wanted to know if it would disrupt their rou-tines: sleeping guarters, bath-

tines: sleeping quarters, bath-rooms," said Mathieu, sec-ond-in-command on the Vigilant. Like most crew members, he could give only his first name in line

with navy rules.
Officials also had to take into account the concerns of sailors'

wives, Mathieu added, diplomati-

"In the end, their integration has been extremely smooth. Having proved their qualifications, these women have earned their place aboard."

aboard."
The Vigilant packs in 110 people whose only contact with the outside world is a 40-word message from family members once a week.
The sub keeps radio transmissions to a strict minimum and only the captain knows the destination and other details of each mission – trapits and commend to the strapits. stealth and secrecy are the watch-words for France's underwater nuclear arsenal

"The thing that's different, compared to a ship, is the one-way link to the outside," Camille, a 29-year-old recruit, said.

She and the three other women underwent two years of specialised training for their posts.

Pauline, the vessel's 31-year-old doctor, had to develop her surgery and dentistry skills to avoid any emergency evacuations which would compromise the mission.

But getting women on France's other nuclear-powered submarines is not on the cards, since they are much smaller vessels which would be harder to reconfigure for mixed be harder to reconfigure for mixed crews. - AFP

LAMPIRAN 8 THE STAR (FAMILY): MUKA SURAT 7 TARIKH: 20 JULAI 2018 (JUMAAT)



LAMPIRAN 9 THE STAR (WORLD): MUKA SURAT 30 TARIKH: 20 JULAI 2018 (JUMAAT)

Astronomers spot star munching on planet

WASHINGTON: Astronomers may have caught a relatively nearby star munching on a planet or mini-planets.

A NASA space telescope noticed that the star suddenly started looking a bit strange last year. The Chandra X-Ray Observatory spotted a 30-fold increase in iron on the edge of the star, which is 10 million years old, along with pronounced dimming.

MIT scientist Hans Moritz Guenther says he's never seen any-

thing quite like this before.

He looked at other possible explanations, and of the two that make sense, he prefers the planet-munching one.

Computer simulations show it can happen, but it has never been

seen before, he said.

Outside experts say that's possible, but the evidence is circumstantial.

Astronomers have been watching the star for decades and iron levels weren't high in 2015.

The star is 450 light-years away. A light-year is 5.9 trillion miles.

The study is in Wednesday's Astronomical Journal. — AP

LAMPIRAN 10 THE STAR (WORLD): MUKA SURAT 28 TARIKH: 20 JULAI 2018 (JUMAAT)



Drawn to danger: Visitors taking pictures as Kilauea's summit crater glows red in Volcanoes National Park, Hawaii. — AP

Hawaii searches for safe lava viewing spots

HONOLULU: Stunning images of Hawaii's erupting Kilauea volcano have captivated people around the world. But ironically it's nearly impossible for residents and visitors on the ground to see the lava a fact that's squeezing the tourismdependent local economy

Authorities on the Big Island want to set up a lava viewing site to help, but they're finding it difficult to do while keeping people safe.

The risks posed by the volcano

came into sharp focus this week when lava flowing into the ocean triggered an explosion that sent a hot rock crashing through the roof of a tour boat, hurting nearly two dozen people.

Diane Ley, Hawaii County's director of research and development, said she's been working on setting up a lava viewing site for nearly two months, consulting with federal scientists and the county's civil defence administrator. The injuries from the tour boat only validate the county's caution, she said.

There's nothing that can be done to save it (my business) ... unless they stop criminalising people for wanting to see lava.

John Tarson

That's a challenge - to find us a site that is safe from volcanic hazards, emissions and can afford the ability for large numbers to be able to come in and view," she said.

Still, pressures are mounting from businesses on the Big Island, where Kilauea is a major draw.

Tourism to parts of the island has plummeted since the volcano began erupting in a residential neighbourhood in May

The small, rural town serves as a gateway to Hawaii Volcanoes National Park, which is normally the state's most popular tourist attraction but has closed indefinitely because of dangers to staff and visitors.

Currently, only helicopter and boat-tour passengers - paying about US\$250 (RM1,013) each - are able to see the lava in person.
The area where lava is bursting

from the ground is under a mandatory evacuation order.

Residents nearby may go to their homes, but the county restricts access for everyone else except sci-entists, authorities and a handful of escorted media.

Officials have cracked down on violators, issuing citations to more than 80 people for loitering in a restricted disaster area.

John Tarson, owner of Epic Lava

Tours, said the current restrictions are crushing him.
"They've effectively cut my busi-

ness' legs off. And there's nothing

that can be done to save it unless they reopen the tourism industry, unless they stop criminalising people for wanting to see lava," he said.

He argues guides like himself have years of experience and can continue to take tourists to see lava safely.
Instead, his customers are cancel-

ling reservations into the new year because they don't believe they'll be allowed to see molten rock.

Hawaii County Councilwoman Eileen O'Hara said the county should contract several tour compa nies to operate shuttle buses from the centre of Pahoa town to Leilani Estates, where lava is coming up through the ground.

She said the bus could circle

around to let passengers take pho-tos but keep them inside, protected from any volcanic gases

State Rep Joy San Buenaventura also advocates using shuttle buses.

She also urged the county to act

fast, "because the businesses are suffering". — AFP

LAMPIRAN 11 THE STAR (WORLD): MUKA SURAT 25 TARIKH: 20 JULAI 2018 (JUMAAT)

Vietnam warns of floods after tropical storm Son Tinh hits

HANOI: Vietnam has warned of floods and landslides triggered by heavy rains after tropical storm Son Tinh made landfall in northern coastal areas, although no casualties were reported.

A long coastline makes Vietnam prone to destructive storms and flooding, with 389 people last year in natural disasters such as floods and landslides, the General Statistics

Office said.

Son Tinh weakened to a tropical low pressure event by the time it reached Vietnam late on Wednesday, curbing fears of immediate and widespread damage, but raising concerns of flooding.

"Heavy rain is forecast to continue in northern and central provinces, and threatens to cause flash floods and landslides in Hoa Binh, Son La, Lai Chau and Lang Son provinces," the national weather forecaster said yesterday.

The South-East Asian country had ordered vessels back to port and prepared evacuation plans

ahead of the storm.

Heavy rain of up to 350mm flooded some coastal provinces, affecting nearly 64,000ha of rice and 3,200ha of cash crops yesterday, the government's disaster management agency said. — Reuters

LAMPIRAN 12 HARIAN METRO (GLOBAL): MUKA SURAT 84 TARIKH: 20 JULAI 2018 (JUMAAT)



29 titik panas di Sumatera

Palembang: Kerajaan Indonesia mengesan 29 titik panas di Riau, Sumatera, sejak dua hari lalu dan sudah menghantar beberapa helikopter untuk memadamkan kebakaran sebelum Sukan Asia 2018 bermula di sini, dan Jakarta, Ogos depan.

Agensi Geofizik, Cuaca

dan Meteorologi Pekanbaru (BMKG) melaporkan bahawa bacaan satelit menunjukkan 29 kawasan panas di

Daripada jumlah itu, 15 dikesan di Dumai, tujuh lagi di kawasan Rokan Hilir, enam di Bengkalis dan satu lagi di

"Daripada semua kawa-

san panas itu, 24 daripadanya mencatat suhu melepasi 70 peratus yang bermakna kawasan panas mungkin kebakaran," kata Ketua Penerangan dan Data BMKG Pekanbaru, Marzuki.

Katanya angka itu lebih tinggi berbanding awal pagi Isnin lalu apabila hanya

12 kawasan panas dikesan:

Di Sumatera, Riau mencatat jumlah kawasan panas tertinggi. Semalam, satelit mengesan 15 lagi kawasan panas di Lampung, satu di Sumatera dan Bangka Belitung, serta satu di Sumatera Utara dan Bengkulu. - Agen-

LAMPIRAN 13 UTUSAN MALAYSIA (LUAR NEGARA): MUKA SURAT 12 TARIKH: 20 JULAI 2018 (JUMAAT)

Imej Neptun paling jelas dirakam

LONDON 19 Julai - Imej planet paling jauh dari matahari iaitu Neptun berjaya dirakam paling jelas dan gambarnya didedahkan kepada umum.

Lapor Dailymail, gambar planet yang dirakam secara terperinci itu amat men-gagumkan apabila pakar kaji bintang menaik taraf teleskop paling berkuasa menggunakan laser.

Teknik tersebut membetulkan kesan gelora atmosfera di kawasan pencerapan, berpangkalan di padang pasir di utara Chile.

Pakar dari Balai Cerap Selatan Eropah (ESO) berjaya merakam imej berkenaan menggunakan Very Large Telescope (VLT).

Naik taraf susunan tersebut, terdiri daripada empat teleskop, membolehkan penyelidik mengguna pakai proses yang dikenali sebagai kemudahan bintang panduan laser pada VLT Unit Te-



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lescope 4 (UT4). Ini akan membolehkan pengimejan lebih jitu dalam medan pandangan yang lebih luas, merakam gugusan bintang di la-ngit ketika malam serta butiran cakerawala dan angkasa secara

Dengan keupayaan baharu ini, teleskop UT4 sepanjang lapan meter mencapai had ketajaman imej dan tidak terbatas akibat kekaburan atmosfera.

Sebelum ini, ia amat sukar untuk dicapai dan UT4 membolehkannya menghasilkan imej setanding de-ngan ketajaman Teleskop Angkasa Hubble. - AGENSI