

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

| Bil | Berita                                                                                                          | Media             | Capaian Berita Penuh                        |
|-----|-----------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------|
| 1.  | <a href="#"><u>Lagi pihak tidak setuju moratorium bauksit dihentikan</u></a>                                    | Malaysiakini      | Klik pada tajuk berita                      |
| 2.  | <a href="#"><u>Tech startup di Malaysia - agenda seksi kerajaan atau ekonomi masa depan?</u></a>                | Astro Awani       | Klik pada tajuk berita                      |
| 3.  | <a href="#"><u>Penamatan moratorium bauksit: Kementerian Kesihatan pantau aspek kesihatan, persekitaran</u></a> | Berita Harian     | Klik pada tajuk berita                      |
| 4.  | <a href="#"><u>Gulungan jerami tarik perhatian orang ramai</u></a>                                              | Berita Harian     | Klik pada tajuk berita                      |
| 5.  | <a href="#"><u>Sindiket sampah haram raih RM60,000 sebulan</u></a>                                              | Harian Metro      | Klik pada tajuk berita                      |
| 6.  | <a href="#"><u>Gempa bumi sederhana landa barat daya Sumatera</u></a>                                           | Berita Harian     | Klik pada tajuk berita                      |
| 7.  | <a href="#"><u>Macam di Eropah...</u></a>                                                                       | Harian Metro      | Klik pada tajuk berita                      |
| 8.  | <a href="#"><u>Supermoon memukau</u></a>                                                                        | Harian Metro      | Klik pada tajuk berita dan Rujuk lampiran 1 |
| 9.  | <b><u>Biggest of 2019: Supermoon Leaves Many in Awe</u></b>                                                     | New Straits Times | Rujuk lampiran 2                            |
| 10. | <b><u>2 tahun sedut udara busuk</u></b>                                                                         | Berita Harian     | Rujuk lampiran 3                            |
| 11. | <b><u>Menu terlebih kas-kas punca pengunjung positif dadah</u></b>                                              | Berita Harian     | Rujuk lampiran 4                            |

## TEMPATAN

| Bil | Berita                                                                               | Media             | Capaian Berita Penuh   |
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| 12. | <a href="#"><u>Akauntan perlu guna teknologi terkini untuk kekal relevan</u></a>     | Sinar Harian      | Klik pada tajuk berita |
| 13. | <a href="#"><u>Into the digitalisation process</u></a>                               | The Sun           | Klik pada tajuk berita |
| 14. | <a href="#"><u>Advertising meets technology</u></a>                                  | The Sun           | Klik pada tajuk berita |
| 15. | <a href="#"><u>How AI Will Double Innovation Speed in APAC in Two Years</u></a>      | Entrepreneur      | Klik pada tajuk berita |
| 16. | <a href="#"><u>CM lauds launch of Drone Technical Centre Kuching</u></a>             | The Borneo Post   | Klik pada tajuk berita |
| 17. | <a href="#"><u>Amazon's 'collaborative' robots offer peek into the future</u></a>    | The Borneo Post   | Klik pada tajuk berita |
| 18. | <a href="#"><u>Penduduk Selangor diingatkan tidak lakukan pembakaran terbuka</u></a> | Kosmo             | Klik pada tajuk berita |
| 19. | <a href="#"><u>Bauksit: Penduduk kembali bimbang, resah</u></a>                      | Sinar Harian      | Klik pada tajuk berita |
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| 21. | <a href="#"><u>Time for Sabah, Sarawak to play bigger role</u></a>                   | New Straits Times | Rujuk lampiran 5       |
| 22. | <a href="#"><u>Trump Probed Over Tech Transfer</u></a>                               | New Straits Times | Rujuk lampiran 6       |
| 23. | <a href="#"><u>GPS gesa pihak berwajib segera bertindak</u></a>                      | Berita Harian     | Rujuk lampiran 7       |

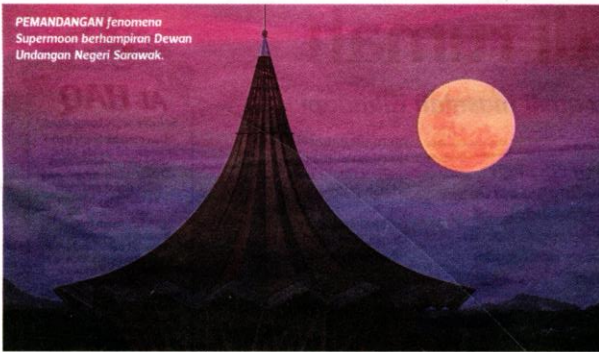
|     |                                                                     |               |                  |
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| 24. | <b><u>Aplikasi bioteknologi tangani pencemaran sisa plastik</u></b> | Berita Harian | Rujuk lampiran 8 |
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## ANTARABANGSA

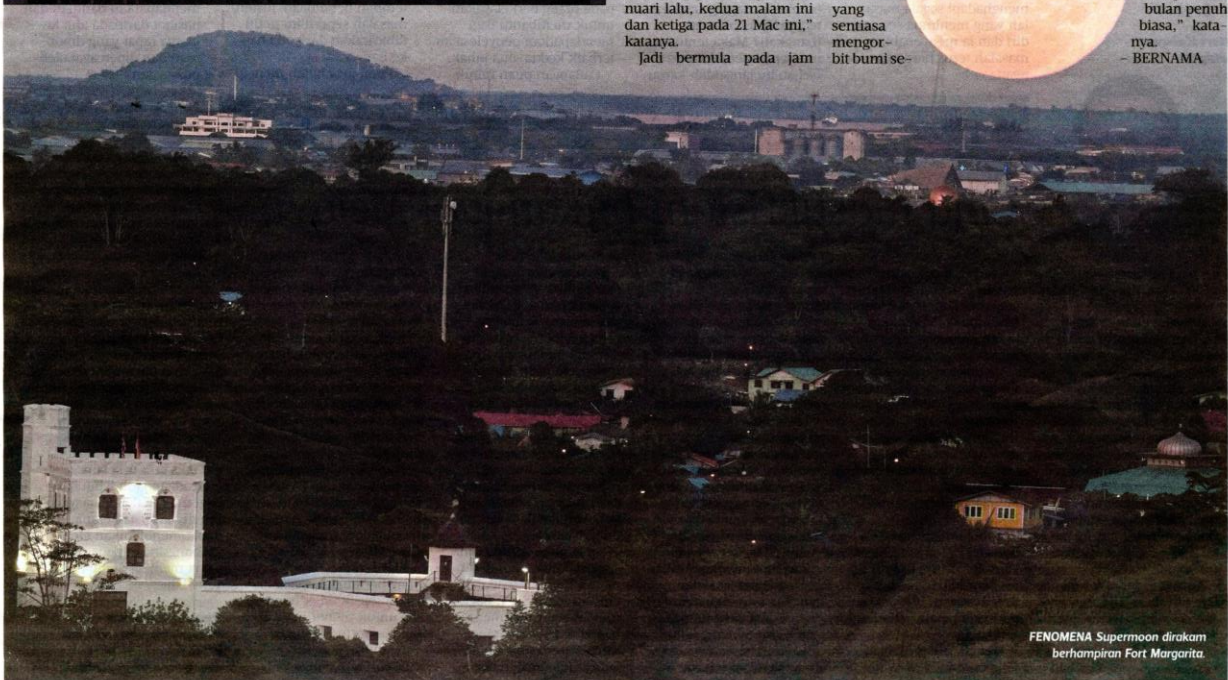
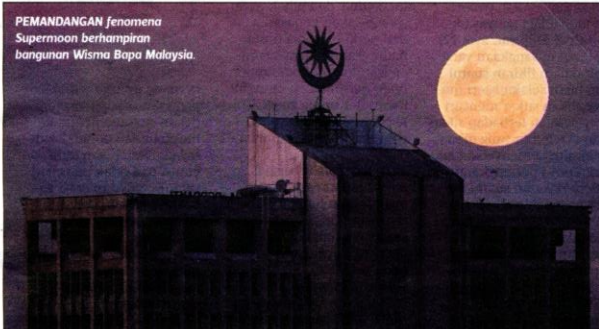
| Bil | Berita                                                                             | Media           | Capaian Berita Penuh   |
|-----|------------------------------------------------------------------------------------|-----------------|------------------------|
| 25. | <a href="#"><u>Gempa bumi gegar Maluku</u></a>                                     | Utusan Malaysia | Klik pada tajuk berita |
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| 27. | <b><u>Fenomena “supermoon’</u></b>                                                 | Harian Metro    | Rujuk lampiran 9       |
| 28. | <b><u>‘Climate change a growing security threat’</u></b>                           | The Star        | Rujuk lampiran 10      |

LAMPIRAN 1  
HARIAN METRO (SETEMPAT): MUKA SURAT 20  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

PEMANDANGAN fenomena Supermoon berhampiran Dewan Undangan Negeri Sarawak.



PEMANDANGAN fenomena Supermoon berhampiran bangunan Wisma Bapa Malaysia.



FENOMENA Supermoon dirakam berhampiran Fort Margherita.

## Supermoon memukau

■ Fenomena kedua untuk tahun ini berlaku jam 11.53 malam kelmarin

Kuala Lumpur

Rakyat Malaysia berpeluang menyaksikan fenomena Supermoon iaitu bulan penuh paling besar dan dekat dengan bumi jam 11.53 malam kelmarin.

Ketua Unit Penyelidikan Sains Angkasa Agensi Angkasa Negara (Angkasa), Zahira Mohd Radzi berkata, fenomena itu berlaku apabila titik kedudukan bulan paling hampir dengan bumi dengan jaraknya sekitar 356,761 kilometer.

Beliau berkata, fenomena yang boleh dilihat dengan mata kasar itu mengakibatkan bulan kelihatan lebih besar dan jelas daripada biasa.

"Sebenarnya untuk tahun ini, fenomena ini berlaku tiga kali, yang pertama pada Januari lalu, kedua malam ini dan ketiga pada 21 Mac ini," katanya.

Jadi bermula pada jam

“

Lazimnya ia 12.5 peratus hingga 14.1 peratus lebih besar dan 30 peratus lebih terang daripada mikromoon”

Dr Mohd Zambri

11.53 malam kelmarin orang ramai boleh melihat bulan penuh paling besar dengan mata kasar bergantung kepada keadaan cuaca dan kawasan yang dilihat.

Zahira berkata, fenomena itu adalah kejadian yang biasa berlaku kerana pergerakan bulan yang sentiasa mengorbit bumi se-

tiap tahun.

Sementara itu, Panel Falak Jabatan Kemajuan Islam Malaysia (JAKIM) Datuk Dr Mohd Zambri Zainuddin berkata, kejadian Supermoon malam kelmarin adalah sedikit kecil berbanding kejadian sama pada 14 November 2016 apabila ketika itu jaraknya lebih dekat dengan bumi iaitu 356,445 kilometer.

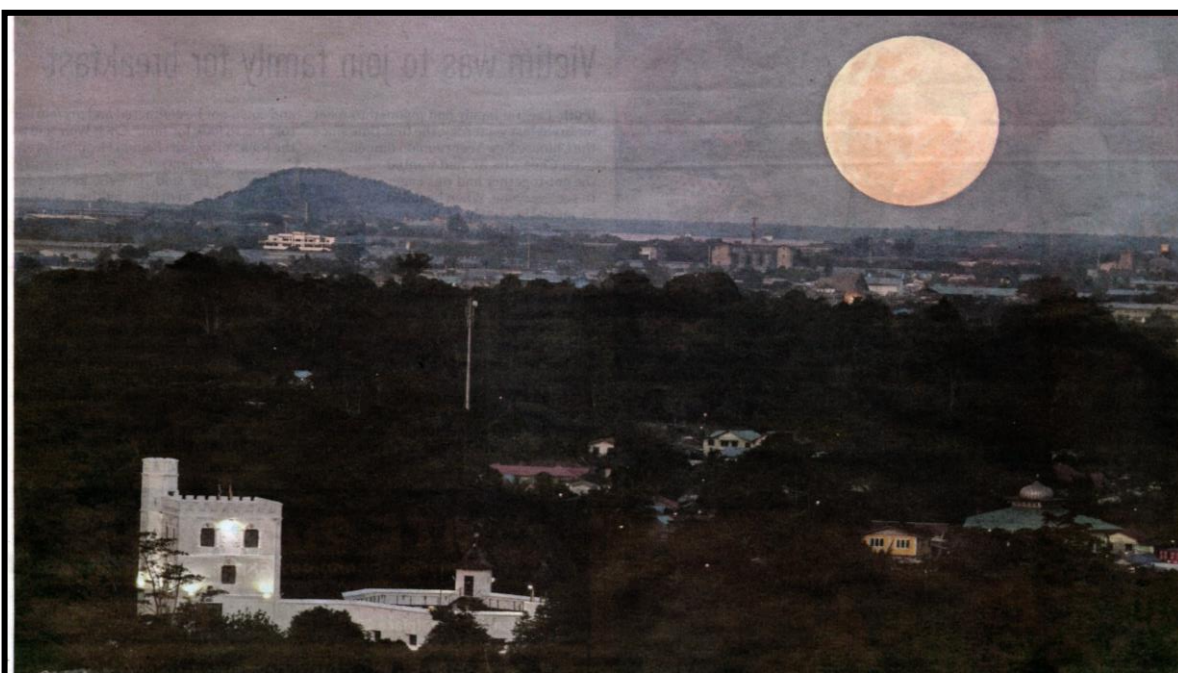
"Lazimnya ia (bulan) dari segi saiz berdasarkan saiz sudut 12.5 peratus hingga 14.1 peratus lebih besar dan 30 peratus lebih terang daripada mikromoon (kedudukan bulan paling jauh dari bumi iaitu apogee) manakala 16 peratus lebih terang daripada bulan penuh biasa," katanya. —BERNAMA



LAMPIRAN 2  
NEW STRAITS TIMES (NEWS/NATION): MUKA SURAT 1  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)



LAMPIRAN 2 (SAMB.)  
NEW STRAITS TIMES (NEWS/NATION): MUKA SURAT 8  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)



A supermoon ascending into the night sky over Fort Margherita in Kuching on Tuesday. BERNAMA PIC

NATURAL PHENOMENON

## SUPERMOON LEAVES MANY IN AWE

However, it is a bane to fishing community, says ex-Angkasa director-general

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**T**HE heavenly supermoon phenomenon has left many Malaysians wide-eyed with wonder, but those who earn their living from the sea may not have shared the same excitement.

For the fishing community, the brighter supermoon meant less fish and a smaller catch, said former National Space Agency (Angkasa) director-general Dr Noordin Ahmad.

"Supermoons have been proven to cause not only higher tides due to the moon's gravitational pull being at its strongest at perigee, but also causes fish to go deeper underwater to avoid the (brighter) light," he said.

A supermoon is a full moon which coincides with its closest point (called "perigee" and

around 360,000km from Earth) to the Earth in its monthly orbit, he said.

"The furthest point to Earth in an elliptical orbit is called an 'apogee'."

Noordin said the Feb 19 sighting was dubbed the "Super Snow Moon" in the West.

"The name is given by Native American tribes to the midwinter moon."

"It is called the 'Super Snow Moon' because it is often accompanied by snow and cold winter temperatures."

"Another name for it is 'Hunger Moon'."

The Feb 19 supermoon was the biggest this year.

He said the first supermoon phenomenon this year, which occurred on Jan 21, was accompanied by a total lunar eclipse, which was where light refraction produced red hues.

"Because of the red hues, it was

also known as the 'blood supermoon'."

In a Bernama report on Tuesday, Angkasa Space Science Research Unit head Zahira Mohd Radzi said the supermoon would happen three times this year — Jan 21, Feb 19 and March 21.

She said the phenomenon was common due to the Moon's orbit

around the Earth.

While stargazers can still catch it in the coming nights, the final supermoon of the year, which occurs next month, is considered special as it is expected to coincide with the start of spring.

The first full moon in March, which occurs on March 21, is dubbed the "Worm Moon" be-

cause in Western countries it is the time when the ground begins to thaw and earthworms reappear, which marks the coming of spring.

Page 1 pic: An airplane's silhouette against the supermoon on Tuesday in Nuremberg, Germany.

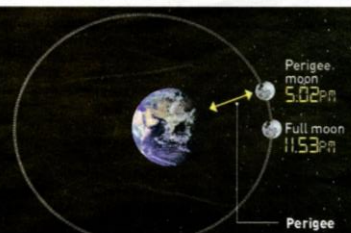
### SUPERMOON FEB 19

1. A supermoon occurs when a full moon coincides with the moon's perigee, or the point in its elliptical orbit when it is closest to Earth.

2. On Feb 19, the moon reached its closest perigee when it was 356,761km away from Earth. The moon's average distance from Earth is 384,400km.

3. Full super moons often appear larger and brighter than regular full moons.

Source: www.angkasa.gov.my



INFOGRAPHIC NST

LAMPIRAN 3  
BERITA HARIAN (WILAYAH): MUKA SURAT 62  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

# 2 tahun sedut udara busuk

➔ MBBJ, JAS  
diminta segera  
bertindak  
tutup pusat  
pembuangan  
sampah haram

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► Johor Bahru

**P**enduduk dan pekerja berhampiran Kota Puteri, Permas Jaya, dekat sini, yang terpaksa menyedut udara busuk dari tapak pembuangan sampah haram berdekatan sejak dua tahun lalu.

Tempat pembuangan sampah haram seluas dua hektar itu dipenuhi sisa buangan industri, bahan kimia, buangan domestik, perabot serta sisa pembinaan, menyebabkan hampir 6,000 penduduk dan pekerja di kawasan berkenaan tidak mampu bertahan lagi.

Tinjauan mendapati tempat pembuangan sampah haram itu bukan sahaja berbau amat busuk, malah sampahnya yang dibuang secara tidak terurus menyebabkan limpahan air sampah ke kawasan sekitarnya.

Ahli Majlis Bandaraya Johor Bahru (MBJB) bagi kawasan Permas Jaya, Danny Tan Peng Chye, berkata mereka yang membuang sampah seolah-olah ke-



[FOTO HAIRUL ANUAR RAHIM/BH]

**Syed Othman (tengah) bersama Peng Chye** meninjau pusat pembuangan sampah yang beroperasi secara haram berhampiran Kota Puteri, Permas Jaya, semalam.

bal walaupun pemilik tanah membuat dua laporan polis, sejak tahun lalu kerana mencebong tanah persendirian.

Katanya, modus operandi pusat pembuangan sampah berkenaan dipercayai didalangi sindiket berikutan penjaganya menggunakan 'walkie-talkie' untuk berhubung sesama mereka selain beroperasi 24 jam setiap hari.

## Caj RM50 setiap lori

"Mereka mengenakan caj RM50 bagi setiap lori satu tan yang membuang pelbagai jenis sampah di sini, manakala 'tonto' yang menjaga kawasan ini menerima upah RM10 setiap lori.

"Setiap hari lebih 30 lori satu tan sejauh dari Kulai, Pulai dan Skudai membuang pelbagai jenis sampah di sini, mengaki-

batkan timbunan sampah membukit malah semalam kebakaran berlaku di sini, menyebabkan udara tercemar sehingga penduduk mengadu pedih mata, selain bau yang sangat busuk," katanya ketika ditemui selepas tinjauan di kawasan berkenaan.

## Produktiviti menurun

Pemilik kilang berhampiran, R Daniah, 53, berkata beliau dan pekerjaanya tidak mampu bertahan kerana menyedut udara tercemar setiap hari.

"Selalunya selepas hujan udara menjadi amat busuk. Ada pekerja sakit dan mengambil cuti malah, kami kerap sakit kepala dan mendapat alahan kulit menyebabkan produktiviti kerja menurun," katanya.

Pegawai Khas Menteri Besar

Johor (Bahagian Aduan), Syed Othman Syed Ali, berkata beliau akan meminta agensi termasuk MBBJ dan **Jabatan Alam Sekitar (JAS)** segera bertindak termasuk menutup pusat pembuangan sampah haram itu.

"Ahli Majlis MBBJ sudah membawa perkara ini ke dalam mesyuarat tindakan, (kelmarin) malah JAS membuat pemantauan berikutan pencemaran udara dan kawasan ini terbakar semalam.

"Saya dimaklumkan pemilik tanah juga sudah membuat dua laporan polis, selain dua kali menggali lubang sedalam lebih tiga meter di pintu masuk tanahnya, namun pengendali pusat sampah haram ini menimbui semula lubang berkenaan dan meneruskan operasi seperti biasa," katanya.

LAMPIRAN 4  
BERITA HARIAN (ISU): MUKA SURAT 7  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

## Menu terlebih kas-kas punca pengunjug positif dadah

➔ Anggota polis gagal ujian dadah selepas makan nasi kandar

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dan Noor Hidayah Tanzil  
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► Kuala Lumpur

Sebuah restoran nasi kandar di Teluk Intan, Perak, diperiksa kelmarin, selepas sebahagian menu makanannya dipercayai mengandungi kas-kas berlebihan hingga menyebabkan pengunjugnya positif dadah apabila dibuat saringan air kencing.

Pemeriksaan itu dilakukan selepas seorang anggota polis dari Ibu Pejabat Polis Daerah (IPD) Hilir Perak, yang makan di restoran berkenaan didapati positif dadah ketika ujian saringan air kencing dilakukan terhadap pegawai dan anggota polis di daerah berkenaan Isnin lalu.

Pemangku Ketua Polis Perak, Datuk Razarudin Husain, berkata pihaknya berasakan ada sesuatu tidak kena selepas anggota yang mempunyai rekod perkhidmatan baik dan sihat tubuh badan di kesan positif dadah.

"Hasil temu bual ke atas anggota terbabit, dia mendakwa makan di sebuah restoran nasi kandar sebelum hadir pemeriksaan ujian air kencing bersama tiga lagi anggota polis lain sebelum saringan sama turut dilakukan ke atas tiga anggota terbabit.

"Paling mengejutkan, ketiga-tiga mereka juga turut didapati positif

dadah, sebelum polis menghantar dua lagi anggota yang sebelum itu mempunyai rekod bersih ujian air kencing ke restoran sama untuk mencuba makanan dijual," katanya ketika dihubungi, semalam.

Beliau berkata, hasil ujian air kencing yang dilakukan selepas itu mendapati mereka turut positif dadah.

### Ambil sampel makanan

"Susulan itu, Bahagian Siasatan Jenayah Narkotik Daerah Hilir Perak dan Kementerian Kesihatan melakukan pemeriksaan semalam (kelmarin) dan mengambil sembilan sampel makanan dipercayai mengandungi rempah ratus kas-kas atau biji popi.

"Selain itu, polis turut melakukan saringan air kencing terhadap tiga pekerja restoran berkenaan yang juga tukang masak dan pembantu tukang masak sebelum mendapati semua mereka positif

dadah jenis opiat atau candu," katanya.

Tiga pekerja premis berkenaan berusia antara 30 hingga 70-an ditahan dan kes disiasat mengikut Seksyen 14 Akta Dadah Berbahaya (ADB) 1952 dan Seksyen 15(1)(a) ADB 1952.

Razarudin berkata, pihaknya bimbang terhadap tangkapan membabitkan orang awam yang mungkin sebelum itu turut menikmati makanan dari restoran sama.

"Kami sudah mengarahkan semua pegawai dan anggota polis menjalankan pemeriksaan ujian air kencing terhadap orang awam untuk mendapatkan maklumat lanjut daripada individu yang diperiksa sebelum sampel air kencing dihantar ke Jabatan Kimia untuk tindakan lanjut.

"Ini bagi memastikan individu yang ditahan selepas positif dadah akibat makan di restoran sama

mendapat proses siasatan adil," katanya.

Katanya, pada masa ini pihaknya masih menunggu keputusan laporan Jabatan Kimia sebelum tindakan lanjut dilakukan.

Sementara itu, operasi bersepadu dijalankan di restoran berkenaan dilakukan pada jam 11.20 pagi selepas menerima aduan pelanggan yang mengalami gejala lemah dan khayal selepas makan di situ.

Pegawai polis dan Jabatan Kesihatan kemudian merampas beberapa jenis masakan seperti kuah makanan, ayam goreng, sayur dan nasi putih, selain sebungkus plastik lut sinar mengandungi biji kas-kas untuk dihantar ke Jabatan Kimia Ipoh bagi pemeriksaan.

"Pemilik premis memaklumkan masakan tidak menggunakan sebarang bahan terlarang atau mengkhayalkan, namun bahan masakan seperti kas-kas ada digunakan tukang masak," katanya.



Restoran nasi kandar di Teluk Intan yang menyedak dikatakan mengandungi kas-kas berlebihan.

LAMPIRAN 5  
NEW STRAITS TIMES (BUSINESS/NEWS): MUKA SURAT 20  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

## VIEW POINT

MADANI  
SAHARI

With the correct strategy, it is the right time for meaningful participation, with new comparative advantages now available for the region.

## MOBILITY SECTOR

## Time for Sabah, Sarawak to play bigger role

AS a Sarawakian, I am aware that there has been decades-long limitation in bringing the automotive industry to Sabah and Sarawak, as the logistics factors alone make it seemingly challenging to set up an automotive manufacturing ecosystem.

However, with the advent of technology and disruptions within the mobility sector, new opportunities have arisen for the people of Sabah and Sarawak.

With the correct strategy, it is the right time for meaningful participation, with new comparative advantages now available for the region.

MARii has long been working closely with the Australian government to develop numerous turnkey projects in electric mobility and advanced manufacturing for the benefit of Malaysians.

Now, in the case of Sabah and Sarawak, an opportunity has presented itself.

Firstly, the advent of online technology has helped to bridge the geographical divide of the South China Sea, bringing collaborators together from all corners of the nation.

Secondly, the people of Sabah and Sarawak have the expertise and knowledge of their local terrain and market of around six million people.

This expertise expands into the numerous sectors that are larger in scale compared with that of the peninsula – such as agriculture, forestry and fisheries, etc.

Last week, we achieved two important milestones that will include Sabah and Sarawak into the high-technology sector as mentioned above – not only within the automotive sector but also high-potential spinoffs within the local economy.

In Sabah, the MARii Satellite Sabah was launched, housing advanced product design, process design, data analytics and special training facilities developed to allow participation of Sabahans in advanced technology applications for automotive manufacturing, after-sales and overall mobility.

The technology can be utilised in other sectors such as furniture, agriculture, plantation, oil and gas and fisheries.

The satellite is equipped with a design lab, hosting advanced product and process design applications, as well as a complete training Dojo for manufacturing, after sales and remanufacturing which will be used to conduct numerous programmes, both internally by MARii or with local experts within MARii's extended network.

At the same time, the satellite also acts as a big data management and telematics centre to enhance information and data analytics, allowing for better insights and decision making for businesses.

In Sarawak, MARii signed a memorandum of agreement (MoA) with University College of Technology Sarawak (UCTS) for collaboration in research and development in energy efficiency and bridging human capital development at all levels between Peninsular Malaysia and Sarawak.

Through the MoA, MARii and UCTS will collaborate in research and development programmes for applications within the automotive and overall mobility sec-

tors, including the application of robotics and the Internet of Things.

These projects are expected to also generate spinoff technology that can be applied to other sectors in Sarawak, such as smart plantations, tourism analytics, forest monitoring and swamp assessment.

The milestones above would allow Sabah and Sarawak people to contribute and benefit from the opportunities created through the automotive and overall mobility sectors.

Trends have shown that the mobility sector will grow beyond automotive manufacturing alone, with sectors such as big data analytics, terrain assessment and content management quickly coming together to meet the growing demands of the mobility sector.

It is now time for Sabah and Sarawak to play a bigger role in overall mobility.

The writer is the chief executive officer of Malaysia Automotive, Robotics and IoT Institute.

LAMPIRAN 6  
NEW STRAITS TIMES (WORLD): MUKA SURAT 72  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

'CONFLICTS OF INTEREST'

# TRUMP PROBED OVER TECH TRANSFER

US lawmakers looking into whether he is rushing to sell nuclear tech to Saudi Arabia

WASHINGTON, DC

UNITED States lawmakers said on Tuesday they were probing whether President Donald Trump is rushing to sell sensitive nuclear technology to Saudi Arabia to please corporate supporters who stand to profit handsomely.

The House of Representatives committee in charge of investigations, led by the rival Democratic Party since last month, said that "multiple whistleblowers" warned of conflicts of interest "that could implicate federal criminal statutes".

Representative Elijah Cummings, chairman of the House Committee on Oversight and Reform, asked the White House to

turn over documents, including those related to a meeting two months into Trump's tenure between his son-in-law, Jared Kushner, and Saudi Arabia's powerful Mohammed bin Salman, who shortly afterward became crown prince.

An initial report by the committee said "strong private commercial interests have been pressing aggressively" to transfer sensitive technology to Saudi Arabia.

"These commercial entities stand to reap billions of dollars through contracts associated with constructing and operating nuclear facilities in Saudi Arabia — and apparently have been in close and repeated contact with President Trump and his administration to the present day," the report said.

The US cannot legally transfer nuclear technology to countries without reaching so-called Section 123 agreements, which provide assurances of peaceful energy use.

The House committee voiced fear that Saudi Arabia could convert US knowhow into making a nuclear bomb, heightening already severe tensions with regional rival Iran.

The committee said the leading proponent of building nuclear plants in Saudi Arabia has been IP3 International, a company whose subsidiary in 2016 listed retired Army lieutenant-general Michael Flynn as an adviser.

Flynn served briefly as Trump's national security adviser before resigning over lying about secret communications with Russia, for which he was convicted and is awaiting sentencing.

The Trump administration in its very first week tried to rush through approval of IP3's bid to build nuclear plants in Saudi Ara-

bia until a legal adviser ruled that Flynn had a conflict of interest, the committee said, citing whistleblowers.

IP3's influence has apparently not ended, with the committee voicing alarm at a report by news site Axios that Trump personally met with representatives of the company among other firms just last week.

Another key proponent of transfers to Saudi Arabia, according to the committee, has been Thomas Barrack, a businessman with longstanding interests in the Arab world who organised Trump's inauguration.

He recently drew controversy for playing down Saudi Arabia's killing of dissident writer Jamal Khashoggi, an incident that has hardened views in the US Congress against Prince Mohammed.

Barrack told a forum that "the atrocities in America are equal, or worse" to those in Saudi Ara-

bia, whose agents strangled and dismembered the Washington Post contributor after he was lured into the kingdom's consulate in Istanbul, according to officials. Barrack later apologised.

A group of senators including Marco Rubio, a Republican of Florida, last year jointly appealed to Trump to freeze talks on a 123 agreement with Saudi Arabia, questioning the judgment of the kingdom's policymakers.

The US in 2009 completed a 123 agreement with the United Arab Emirates in which the US ally pledged not to enrich domestic uranium or reprocess spent fuel, steps that could be used to build a nuclear bomb.

Saudi Arabia has walked back from similar promises, although some experts believe Riyadh is talking tough largely to pressure Iran and that it is unlikely to seek nuclear weapons so long as it enjoys US security guarantees. **AFP**

LAMPIRAN 7  
BERITA HARIAN (SURAT PEMBACA): MUKA SURAT 70  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

PEMBUANGAN TONG SISA BAJA KIMIA DI SUNGAI LALANG, SEMENYIH

# GPS gesa pihak berwajib segera bertindak

**I**su pembuangan lebih 172 tong sisa baja kimia mengandungi 'ethyl ether' di Sungai Lalang di Semenyih, yang dikesan pada 11 Februari lalu amat mencemaskan penduduk Semenyih.

Dilaporkan 10 daripada tong dram itu sengaja ditebuk dan diterbalikkan bagi mengeluarkan cecair disyaki bahan kimia ke saluran air berdekatan.

Bau kuat terhasil di sekitar lokasi tapak pembuangan dan boleh dihidu sehingga 300 meter meliputi Taman Semenyih Permata dan Kampung Pasir.

Masalah ini bagaikan isu kitar semula kerana sudah beberapa kali berlaku termasuk yang menyebabkan penutupan Loji Rawatan Air Semenyih tiga tahun lalu.

Pada Oktober 2016 misalnya loji rawatan air ditutup tiga hari berikutan pencemaran di Sungai Semenyih. Ia berlaku hanya beberapa minggu selepas penutupan pada September tahun sama.

Ini menyebabkan beberapa kawasan di Daerah Hulu Langat, Kuala Langat, Sepang dan Petaling mengalami gangguan bekalan air.

Pembuangan bahan kimia berat secara haram boleh memudaratkan manusia, alam sekitar, tumbuh-tumbuhan, air serta udara dan perlu dibanteras segera.

Sehubungan itu, Gabungan Prihatin Semenyih (GPS) meng-



[FOTO UNIT BENCANA NEGERI SELANGOR]

**Sepuluh tong dram** berisi bahan kimia sengaja ditebuk dan diterbalikkan ditemui di Jalan 1, Kampung Sungai Lalang, Semenyih, baru-baru ini.

gesa pihak berwajib bertindak segera menangani isu pencemaran bahan kimia yang dipercayai dibuang pihak tidak bertanggungjawab di kawasan Sungai Lalang.

## Beri kesan buruk

Pembuangan bahan berbahaya secara haram berdekatan kawasan perindustrian berkenaan, dikhawatiri memberi kesan buruk sekiranya mengalir ke dalam Sungai Semenyih sehingga mengakibatkan pencemaran air dan penutupan loji rawatan air.

Ketua Polis Daerah Kajang, Asisten Komisioner Ahmad Dzaffir Mohd Yusof sendiri mengesahkan siasatan mendapati keseluruhan 172 tong berisi



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sisa toksik dilonggokkan di kawasan itu menyebabkan sisa cecair itu tumpah.

Tong berkenaan mengeluarkan bau bahan kimia yang kuat dan di bahagian luar tong tercatat jenis baja kimia, iaitu 'ethyl ether' yang dikeluarkan sebuah syarikat di Cheras, Kuala Lumpur.

Kami harap pihak berkuasa bertindak tegas menahan pihak terbabit membuang sisa toksik berkenaan dan tidak menjadikan Semenyih sebagai pusat pembuangan bahan kimia berbahaya.

## Hamdan Abu

Setiausaha Gagasan Prihatin Semenyih (GPS)

**LAMPIRAN 8**  
**BERITA HARIAN (SURAT PEMBACA): MUKA SURAT 70**  
**TARIKH: 21 FEBRUARI 2019 (KHAMIS)**

## Aplikasi bioteknologi tangani pencemaran sisa plastik

**Pencemaran** plastik semakin meruncing di Malaysia sehingga mengakibatkan pelbagai kesan negatif seperti banjir kilat serta membahayakan hidupan liar.

Berdasarkan laporan antara-bangsa dikeluarkan pada 2015, Malaysia di kedudukan kelapan antara 10 negara yang menyumbang pembuangan sisa plastik.

Sejak 2011, beberapa negeri mengambil langkah drastik mengharamkan penggunaan beg plastik seperti Pulau Pinang, Melaka dan Wilayah Persekutuan. Terbaru, Wilayah Persekutuan juga mengharamkan penggunaan penyedut minuman plastik.

Di pihak Kerajaan Pusat, Kementerian Tenaga, Sains, Teknologi, Alam Sekitar dan Perubahan Iklim melancarkan 'Pelan Tindakan Menuju Peng-

gunaan Sifar Plastik Sekali Guna' yang menyasarkan pengurangan pencemaran sisa plastik secara holistik bermula 2018 hingga 2030.

Kemajuan bioteknologi yang semakin berkembang dilihat menangani masalah pencemaran sisa plastik. Pada 2016, sekumpulan penyelidik Jepun menemui bakteria yang boleh menghasilkan enzim yang

mampu mencernakan plastik dari jenis *polyethylene terephthalate* (PET).

### Temui serangga urai plastik

Penyelidik Eropah pula menemui serangga yang mampu menguraikan beg plastik diperbuat daripada sumber petroleum.

Hasil penemuan bioteknologi ini berpotensi digunakan bagi membersihkan sisa plastik dari petroleum yang tercemar dan tidak boleh dikitar semula.

Penggantian plastik berasaskan petroleum kepada plastik bio juga mampu mengurangkan kesan pencemaran. Plastik berasaskan petroleum mengambil masa beratus-ratus tahun untuk terurai, sedangkan plastik bio hanya mengambil masa enam hingga 12 bulan untuk terurai. Ia juga tidak mendatangkan mudarat kepada alam sekitar.

Selain kelestarian penghasilan plastik bio yang bahan asasnya boleh diperolehi daripada sisa buangan pertanian, peluang Malaysia menjadi hab industri plastik bio juga amat cerah kerana negara sememangnya menjadi peneraju dalam industri plastik dunia.

Bagi memastikan aplikasi bioteknologi diguna pakai secara menyeluruh dan menghasilkan impak maksimum dalam menangani isu pencemaran plastik, koordinasi pelbagai pihak, termasuk kementerian serta agensi kerajaan yang berkaitan serta penyelidik tempatan, perlulah diperkemas dan diberi lebih perhatian oleh pihak kerajaan.

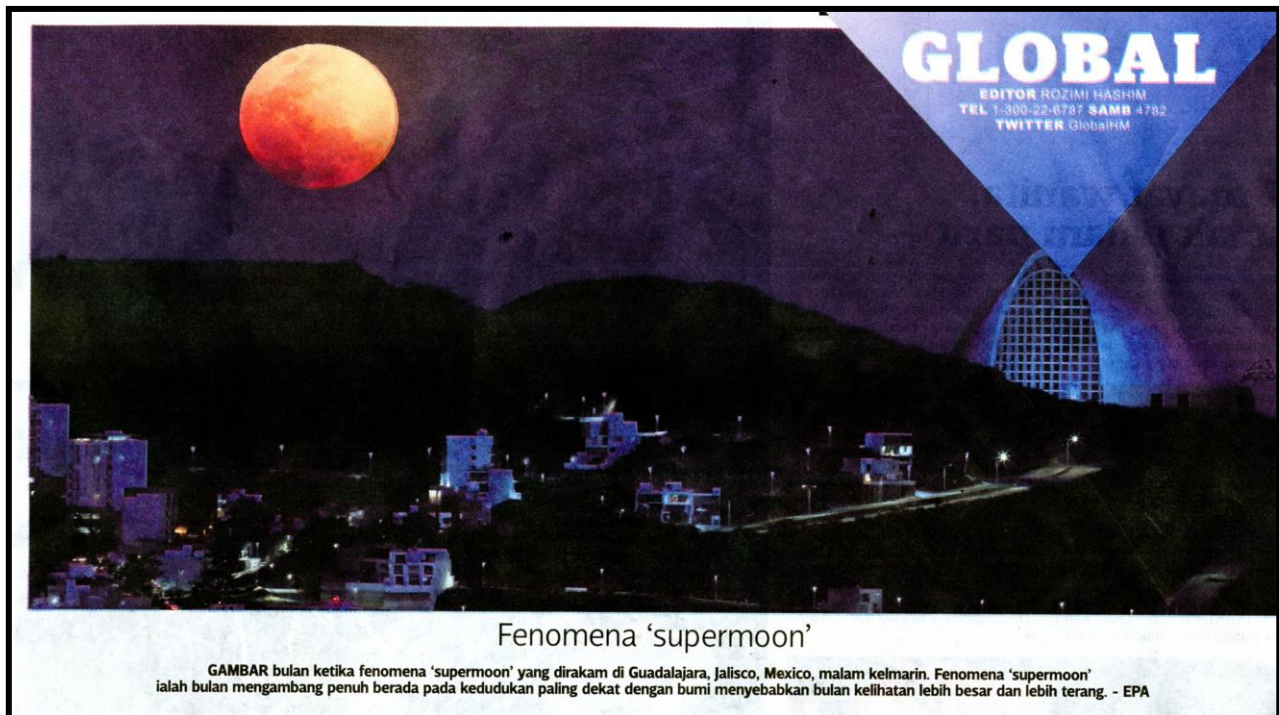
**Hermadiana Mat**  
Presiden Biomaterial  
& Biotechnology Malaysia

**Fakta  
nombor**

**12 BULAN**

masa diambil untuk plastik bio terurai

LAMPIRAN 9  
HARIAN METRO (GLOBAL): MUKA SURAT 39  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)



LAMPIRAN 10  
THE STAR (WORLD): MUKA SURAT 25  
TARIKH: 21 FEBRUARI 2019 (KHAMIS)

## 'Climate change a growing security threat'

**THE HAGUE:** Climate change threats – from worsening water shortages in Iraq and Pakistan to harsher hurricanes in the Caribbean – are a growing security risk and require concerted action to ensure that they don't spark new violence, security experts warned.

"Climate change is not about something in the far and distant future. We are discussing imminent threats to national security," said Monika Sie Dhian Ho, general director of the Dutch think tank Clingendael Institute on Tuesday.

The drying of Africa's Lake Chad basin, for instance, has helped drive recruitment for militant group Boko Haram among young people unable to farm or find other work, said Haruna Kuje Ayuba of Nigeria's Nasarawa State University.

"People are already deprived of a basic livelihood," the geography professor said at a conference on climate and security at The Hague.

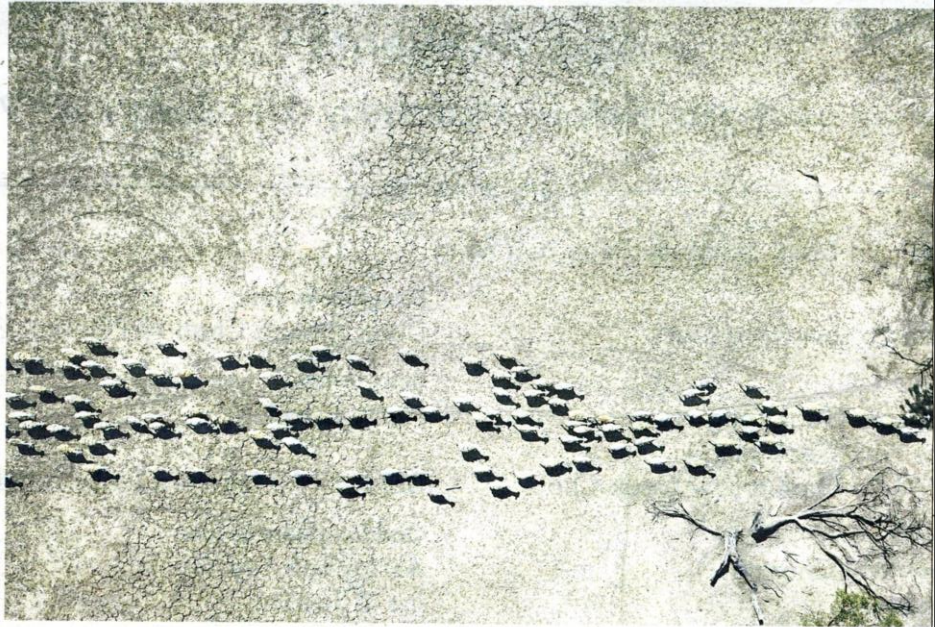
"If you give them a little money and tell them to destroy this or kill that, they are ready to do it."

Iraq, meanwhile, has seen its water supplies plunge as its upstream neighbours build dams and climate change brings hotter and dryer conditions to Baghdad, said Hisham Al-Alawi, Iraq's ambassador to the Netherlands.

"Overall, we are getting less by nearly 40% of the waters we used to get," he told the conference.

Faced with more heat and less rain, "we need to be wise and start planning for the future, as this trend is likely to continue".

The threat of worsening violence related to climate change also extends to countries and regions not currently thought of as insecurity hot spots, climate and security



**Dry as a bone:** Sheep moving across barren grazing land near Pooncarie, Australia. The country's scorching start to 2019 – in which the mean temperature nationwide exceeded 30°C for the first time – followed Australia's third-hottest year on record. — AP

analysts at the conference warned.

The Caribbean, for instance, faces more destructive hurricanes, coral bleaching, sea-level rise and water shortages that threaten its main economic pillars, especially tourism.

In recent years, hurricanes have flattened the economies of some Caribbean nations, with Hurricane Maria in 2017 costing Dominica about 225% of its GDP, according to World Bank estimates.

At the Planetary Security conference at the Hague on Tuesday, they announced the creation of a new International Military Council on Climate and Security, made up of senior military leaders from around the world.

The panel aims to help build policy to address climate security risks at national, regional and international levels, backers said.

"Climate change fuels the roots of

conflict around the globe and poses a direct threat to populations and installations in coastal areas and small islands," said General Tom Middendorp, a former Dutch defence chief who will chair the new council.

"It should therefore be taken very seriously as a major security issue that needs to be addressed. The military can and should be part of the solution," he said. — Reuters