

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

Bil	Berita	Media	Capaian Berita Penuh
1.	<u>From Jan 1, solar power users to enjoy cheaper electricity bills</u> Domestic and commercial users of solar power will enjoy cheaper electricity bills from Jan 1 under two new policies, says Yeo Bee Yin.	The Star	Klik pada tajuk berita
2.	<u>Solar power users to get cheaper electricity bills</u> TWO new policies will be introduced to help domestic and commercial users of solar power to enjoy cheaper electricity bills from Jan 1, 2019, says Energy, Science, Environment and Climate Change Minister Yeo Bee Yin.	The Star	Rujuk lampiran 1 atau klik pada tajuk berita
3.	<u>All set for floods but more manpower needed</u> “In preparing, we expect the worst. MetMalaysia (Malaysian Meteorological Department) has forecast heavy rains, but we hope there won’t be major floods this year,” said Azizan.	The Star	Rujuk lampiran 2 atau klik pada tajuk berita
4.	<u>Yeo Bee Yin: Dapat rebat daripada penjanaan elektrik</u> Sifar kos pendahuluan untuk pemasangan PV panel.	Nanyang Piang Pau	Rujuk lampiran 3
5.	<u>Gempa bumi kuat gegar Pulau Vancouver</u> Jabatan Meteorologi Malaysia (METMalaysia) dalam kenyataan media memaklumkan pusat gempa terletak di 501 kilometer Barat dari Vancouver, Kanada.	Astro Awani	Klik pada tajuk berita
6.	<u>Beginning 2019, no price difference between solar generation and consumption tariff</u> This, said energy minister Yeo Bee Yin at the Dewan Rakyat today, is to ensure the programme is feasible in terms of ringgit and sent to electricity consumers.	The Edge Market	Klik pada tajuk berita

7.	<u>UPM's Samsuzana bags an Asean-US Science Prize for Women</u> Ministry of Energy, Science, Technology, Environment and Climate Change said in a statement yesterday that Samsuzana received the award and a prize of US\$5,000 (RM20,797) at the Gala Dinner of the 2018 Asean-US Science Prize for Women in Cebu, the Philippines, recently.	Malaysia Kini	Klik pada tajuk berita
8.	<u>Carbon tax should benefit all</u> Malaysian Green Technology Corp (GreenTech) CEO Dr Mohd Azman Zainul Abidin (picture) said while he is adamant about the implementation of the carbon tax, it is most ideal to enforce it on industries that are emitting the most carbon dioxide (CO2) into the atmosphere.	The Malaysian Reserve	Klik pada tajuk berita
9.	<u>IGEM 2018 Ends on a High Note</u> The 9th International Greentech & Eco Products Exhibition & Conference Malaysia (IGEM 2018) organised by the Ministry of Energy, Science, Technology, Environment & Climate Change (MESTECC) and Malaysian Green Technology Corporation (MGTC), ended on a celebratory note as several partnerships were forged in terms of business leads, technology transfer and innovation, reinforcing IGEM's position as the regional hub for green technology.	Markets Insider	Klik pada tajuk berita
10.	<u>If You're Using Solar Power, You Can Enjoy Cheaper Electricity Bills Starting Jan 2019</u> Users of solar power in Malaysia, rejoice! That's because the Minister for Energy, Science, Environment and Climate Change, Yeo Bee Yin has announced that domestic and commercial users of solar power will have cheaper electricity bills from January 1, 2019.	World of Buzz	Klik pada tajuk berita
11.	<u>Large-scale projects, net metering and solar leasing for Malaysia</u> Yeo Bee Yin – Malaysia's Minister for Energy, Science, Technology, Environment and Climate Change – has been attempting to sugar the pill over the weekend with announcements related to a new large scale solar auction,	PV Magazine	Klik pada tajuk berita

TEMPATAN

Bil	Berita	Media	Capaian Berita Penuh
12.	<u>Peranan NGO hadapi bencana</u> Walaupun bencana alam di negara kita tidak seteruk negara lain yang dilanda taufan, puting beliung, letupan gunung berapi dan gempa bumi besar, kita tidak boleh memandang ringan bencana banjir yang berlaku setiap tahun di pantai timur Semenanjung Malaysia.	Sinar Harian	Klik pada tajuk berita
13.	<u>Kerajaan cadang bangunkan loji kitar sisa kepada tenaga/ Cadangan bina loji kitar sisa kepada tenaga</u> Kerajaan bercadang untuk membangunkan loji sisa kepada tenaga (WTE) dalam usaha meningkatkan kadar kitar semula daripada 24 peratus kepada 30 peratus menjelang 2020.	Berita Harian	Rujuk lampiran 4 atau klik pada tajuk berita
14.	<u>Sistem i-STP</u> Intervensi i-STP mengambil kira juga kecenderungan penduduk di perkampungan air yang tidak berminat untuk berpindah ke darat kerana hasil pendapatan mereka adalah dari laut.	Sinar Harian	Rujuk lampiran 5
15.	<u>Pupuk kesedaran pengurusan sisa yang betul</u> Secara logiknya, pertambahan jumlah sisa akan berkadar terus dengan jumlah populasi penduduk.	Sinar Harian	Rujuk lampiran 6
16.	<u>About the inter-monsoon season?</u> Southwest monsoon features drier and hotter weather. Drought and haze from open burning, forest fires, vehicle smoke and factory activities can occur during this season.	The Star	Rujuk lampiran 7
17.	<u>Landslide death toll reaches nine</u> Two more bodies were recovered yesterday from the landslide at Jalan Bukit Kukus in Paya Terubong near here, bringing the death toll to nine so far.	The Sun	Rujuk lampiran 8

18.	<u>Meter pintar tingkatkan kecekapan penggunaan elektrik</u> Di pihak Tenaga Nasional Bhd (TNB) sebagai pembekal tenaga, pemasangan meter pintar itu membantu syarikat untuk memahami tabiat penggunaan elektrik pelanggan dengan lebih baik lagi selain memenuhi keperluan pelanggan.	Berita Harian	Klik pada tajuk berita
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ANTARABANGSA

Bil	Berita	Media	Capaian Berita Penuh
19.	<u>4 gempa bumi gegar pantai barat Kanada</u> Tiada laporan awam kerosakan atau kecederaan serta tiada amaran tsunami dikeluarkan.	Berita Harian	Rujuk lampiran 9
20.	<u>Gempa dua hari berturut-turut</u> "Pusat gempa berada di daratan 25 kilometer (km) di timur laut Palu dan berada pada kedalaman 10 km," jelas agensi itu.	Sinar Harian	Rujuk lampiran 10
21.	<u>Dangerous Hurricane Willa closes in on Mexico</u> Hurricane Willa surged to a dangerous Category Four storm off Mexico's Pacific coast, US forecasters said Sunday, warning of a life-threatening storm surge and heavy winds and rainfall.	The Star	Rujuk lampiran 11
22.	<u>Four earthquakes strike off Canada's West Coast</u> Four earthquakes - measuring from 4.9- to 6.8-magnitude - struck in quick succession off Canada's west coast late Sunday (Oct 21), the US Geological Survey said.	Malay Mail	Rujuk lampiran 12
23.	<u>Anti-plastic focus 'dangerous distraction' from climate change</u> "The biggest environmental challenge facing our planet is climate change - and anything that	BBC News	Klik pada tajuk berita

	distracts attention from that is potentially dangerous."		
24.	<u>Microplastics found in human stools for the first time</u> Microplastics have been found in human stools for the first time, according to a study suggesting the tiny particles may be widespread in the human food chain.	The Guardian	Klik pada tajuk berita
25.	<u>No Energy Policy, No Problem For U.S. Oil Producers</u> Thanks to technological innovation and free-flowing capital markets, U.S. energy companies have harnessed the country's abundant shale resources, and America is now the world's largest oil and gas producer, on its way to becoming a net exporter by 2022.	Forbes	Klik pada tajuk berita
26.	<u>Electricity tariff drop not enough to grow industrial sector</u> Electricity consumers grappling with surging energy bills have at least got some relief as the industry regulator reduces tariffs for the next three months. But they are not overall better off, compared with four years ago.	The Independent	Klik pada tajuk berita

LAMPIRAN 1
THE STAR (NATION): MUKA SURAT 13
TARIKH: 23 OKTOBER 2018 (SELASA)

Solar power users to get cheaper electricity bills

TWO new policies will be introduced to help domestic and commercial users of solar power to enjoy cheaper electricity bills from Jan 1, 2019, says Energy, Science, Environment and Climate Change Minister Yeo Bee Yin.

The breakthrough follows the implementation of a "solar leasing" concept and better profits for those producing excess solar power.

"We have decided to improve and expand the Supply Agreement for the Renewable Energy (SARE) programme to allow consumers to install solar panels for their homes under a solar leasing concept.

"Under solar leasing, there will be zero upfront cost, where individuals need not come out with any initial costs for installing the solar panels," Yeo said when answering a question raised by Ahmad Fadhli Shaari (PAS-Pasir Mas).

This model, she said, was similar to purchasing handphones but was now applicable to solar panels.

"The monthly payments for solar power or repayments to the solar power company can be done through the Tenaga Nasional Bhd (TNB) bill," she said.

Depending on the size of the area fitted with solar panels, she said consumers would see a reduction in their monthly electricity bills.

Also to be implemented on Jan 1 is an improved Net Energy Metering (NEM) mechanism, to allow consumers producing solar power to enjoy better rebates from TNB.

Yeo said the current NEM system was not well received.

As of October this year, only 17MW or 3% out of the 500MW quota was taken up.

She said this was because consumers were selling excess solar power at a displaced cost to TNB.

LAMPIRAN 2
THE STAR (NATION): MUKA SURAT 10
TARIKH: 23 OKTOBER 2018 (SELASA)

All set for floods but more manpower needed

By **RAZAK AHMAD**
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PETALING JAYA: Disaster management and relief agencies are in a rush to gear up for major floods in a east coast of the peninsula with the arrival of the north-east monsoon next month.

National Disaster Management Agency (Nadma) operations director Datuk Azizan Abu Taat said the agency is currently identifying additional manpower and resources needed in the flood-prone states.

The agency, which is in charge of coordination on flood preparations

at the federal level, aims to complete a nationwide tour of training sessions for district level officials by the end of this month, he added.

"In preparing, we expect the worst. MetMalaysia (Malaysian Meteorological Department) has forecast heavy rains, but we hope there won't be major floods this year," said Azizan.

While preparations are being made nationwide, emphasis is on flood-prone states including Terengganu, Kelantan, Pahang, Johor, Sabah and Sarawak.

The country is currently in the inter-monsoon season which start-

ed on Sept 28 and ends early November with the arrival of the north-east monsoon.

According to MetMalaysia, the monsoon is expected to make land-fall in Kelantan and Terengganu first early next month, followed by Pahang and Johor before shifting to Sabah and Sarawak.

The department expects four to six episodes of heavy rain during this period, with the monsoon expected to last until March next year.

Civil Defence Force (APM) disaster management and operations director Abdul Wahab Rahim said

8,320 APM personnel and volunteers have been assigned and trained to help in flood relief work.

In addition, APM has also prepared 144 four-wheel drive vehicles, 162 lorries, 1,994 ambulances and 341 boats to help in evacuation and relief efforts for victims.

He advised the public not to wait until the very last minute before evacuating their homes.

"People should prepare early. Keep important documents and valuables dry, and if there is continuous heavy rain, seek shelter before the water level gets too high," said Abdul Wahab.

LAMPIRAN 3

NANYANG SIANG PAU (BUSINESS NEWS): MUKA SURAT A2
TARIKH: 23 OKTOBER 2018 (SELASA)

杨美盈：获发电量回扣

装太阳能板享零预付费

(吉隆坡 22 日讯) 能源、工艺、科学、气候转变与环境部长杨美盈指出，在新宣布的太阳能政策下，消费者可在零预付费用的优惠下安装太阳能板，而太阳能

板租金及太阳能电费可通过国能账单缴付。

她说，在检讨后的净电能计量政策 (NEM) 下，用户将在安装太阳能板以后，就能享有降价的电费。

杨美盈



“太阳能用户能得到国能给予的发电量回扣，把太阳能板发出的额外电力卖回给国能。”

“现有的 NEM 计划，消费者以‘取代价格’向国能出售多余的太阳能发电，价格为每千瓦时 31 仙，但向国能买进电价就要每千瓦时 50 仙。”

“不过，从 2019 年 1 月起，太阳能用户卖电及买电的价格将不再有差别，国能账单会以一对一方式计费，即使用量扣除额外发电量后，用户只需要支付净使用额的电费。”

杨美盈今日在国会下议院问答环节时，回答伊斯兰党巴西马国会议员阿末法迪询问太阳能产生的额外电力卖回给国能的电力收购制 (FIT) 一事。

她说，现有 NEM 计划买进和卖出价格相差近 20 仙，这种“亏本价格”导致许多住家、工业和商业单位

不愿参加计划，致使计划反应冷淡。

她指出，政府为鼓励太阳能在大马广泛使用而推行新政策，惟直到今年 10 月，太阳能使用率非常低，在市场提供的 500 兆瓦配额中，只有 17 兆瓦，相等于 3% 的使用率。

统一买卖电力价格

“这是因为用户将额外电力卖给 TNB 时的价格，与他们购买电力的价格有差别。”

因此，她指出，能源部检讨 NEM 政策后决定统一买电及卖电的价格，而这个新政策对用户来说会更加划算。

杨美盈说，政府也将使用再生能源供应协议 (SARE) 来推行太阳能板租用机制，通过这种方式，促成购置太阳能光伏、电力发电收入及电费的成本，获得客户、投资者和共用设施公司 3 方的同意。

LAMPIRAN 4
BERITA HARIAN (BISNES): MUKA SURAT 26
TARIKH: 23 OKTOBER 2018 (SELASA)

Cadangan bina loji kitar sisa kepada tenaga

Kerajaan bercadang untuk membangunkan loji sisa kepada tenaga (WTE) dalam usaha meningkatkan kadar kitar semula daripada 24 peratus kepada 30 peratus pada 2020.

Timbalan Menteri Perumahan dan Kerajaan Tempatan, Senator Datuk Raja Kamarul Bahrin Shah Raja Ahmad, berkata projek itu masih dalam perbincangan antara kerajaan Persekutuan dan kerajaan negeri untuk mencapai kata putus berhubung pengurusan dan kos pelaksanaannya.

Katanya, kerajaan pada masa ini menyasar untuk membangunkan projek perintis itu di Negeri Sembilan, Melaka dan Johor.

"Dengan 32 juta penduduk, Malaysia dianggarkan membuang sehingga 38,000 tan metrik sampah setiap hari, menjurus kepada RM1.5 bilion terpaksa dibelanjakan untuk kerja pengutipan

sampah setiap tahun.

"Daripada jumlah itu, kadar kitar semula dan pengasingan sisa adalah pada kadar 24 peratus manakala 76 peratus dihantar ke tapak pelupusan sampah.

"Kadar ini adalah rendah berbanding negara seperti Singapura dan Hong Kong yang mencatatkan kadar kitar semula lebih pada 70 peratus," katanya pada Pelancaran Kongres Dunia Sisa Pepejal Antarabangsa (ISWA) 2018, di Kuala Lumpur.

Pengurusan sisa pepejal

Mengulas lanjut, Raja Kamarul berkata, disebabkan ruangan terhad di tapak pelupusan sampah baharu, pihak berkuasa di bandar utama Malaysia kini sedang mengkaji pendekatan terbaik untuk pengurusan sisa pepejal.

"Malah, tujuh negeri sudah menandatangani perjanjian ber-



Raja Kamarul Bahrin pada Pelancaran Kongres Dunia Sisa Pepejal Antarabangsa (ISWA) 2018, di Kuala Lumpur, semalam.



Kerajaan sasar bangunkan projek perintis itu di Negeri Sembilan, Melaka dan Johor"

Raja Kamarul Bahrin Shah Raja Ahmad,
Timbalan Menteri Perumahan dan Kerajaan Tempatan

hubung pembuangan sisa, membolehkan kerajaan Persekutuan menyelaraskan proses pengurusan dengan lebih cekap.

Lantik Alam Flora

"Tujuh negeri terbabit adalah Perlis, Kedah, Pahang, Melaka, Johor, Negeri Sembilan serta Wilayah Persekutuan Kuala Lumpur dan Putrajaya. Negeri lain juga dialu-alukan untuk menyertai usaha sama ini.

"Menerusi perjanjian itu, kami

melantik Alam Flora Sdn Bhd untuk pengurusan sisa di Wilayah Tengah, SWM Environment Sdn Bhd (Wilayah Selatan) dan E-Idaman Sdn Bhd untuk Wilayah Utara," katanya.

Katanya, Malaysia kini mempunyai 148 tapak pelupusan sampah dan 18 tapak pelupusan sanitari.

Kata beliau lagi, kerajaan juga sedang pertimbang untuk membangunkan jumlah loji insinerator di beberapa tapak pelupusan sampah terpilih di negara.

LAMPIRAN 5
SINAR HARIAN (KAMPUSUOLS): MUKA SURAT 5
TARIKH: 23 OKTOBER 2018 (SELASA)

Sistem i-STP

Beri manfaat bagi penempatan di perkampungan air

Di Malaysia, perumahan di perkampungan air lazimnya terdapat di persisiran pantai Sabah dan sebahagian Sarawak. Menurut laporan Evers, 2015, Sabah dan Sarawak mempunyai lebih 21,000 unit rumah di perkampungan air. Penempatan tersebut menghasilkan lebih 23.6 juta liter air kumbahan sehari iaitu 8.6 trilion liter air kumbahan setahun. Kualiti air akan terus tercemar sekiranya tindakan intervensi tidak disegerakan.

Menyedari masalah itu, sekumpulan penyelidik dari Universiti Putra Malaysia (UPM) diketuai Profesor Dr. Hajjah Rahinah Ibrahim dari Fakulti Seni Bina & Sistem Pembinaan Berindustri berinisiatif menghasilkan produk teknologi sistem rawatan kumbahan tidak berpusat (i-STP) di pedalaman yang tidak berpusat.

Ia mempunyai ciri-ciri modular yang boleh dibuka dan mudah dipasang apabila rawatan kumbahan tidak berpusat diperlukan bagi merawat najis di kawasan pedalaman. i-STP bersaiz kecil (350L) dan boleh diangkut dengan bot untuk dipasang di bawah tandas perkampungan air Borneo.

Diperbuat daripada polimer plastik berdensiti tinggi dan keluli tahan karat,

kelebihan utama i-STP adalah reka bentuk modular yang mudah pasang-tang. Pada amnya, ia adalah sebuah sistem rawatan aerobik-anaerobik yang sedia maklum efektif dalam loji rawatan kumbahan berpusat di kawasan perumahan di darat. Ia dibuat dalam bentuk modular bagi memudahkan pengangkutan menggunakan bot supaya mudah dipasang di bawah tandas perumahan air yang diperbuat daripada kayu.

Walaupun isi padu bersaiz 350 liter, air kumbahan terawat mampu memenuhi kualiti Standard A SPAN. Dengan kualiti air kumbahan terawat Standard A berbanding Standard B bagi kawasan persisiran pantai, intervensi i-STP dijangka dapat mempercepatkan peningkatan kualiti air di kawasan persisiran pantai ini.

Sistem i-STP boleh dibahagikan kepada dua bahagian bagi tujuan pengangkutan melalui bot dan memudahkan pemasangan yang mengelilingi tiang struktur di bawah tandas rumah. Reka bentuk mengelilingi tiang ini dapat mengurangkan kerosakan pada sambungan paip ke bahagian rawatan yang disebabkan tekanan air pasang dan surut setiap hari.

Intervensi i-STP mengambil kira juga kecenderungan penduduk di perkampungan air yang tidak berminat untuk berpindah ke darat kerana hasil pendapatan mereka adalah dari laut.

Bagi melengkapkan penghasilan produk, pihak penyelidik telah bekerjasama dengan syarikat Golden Precision Technologies (M) Sdn Bhd, pemegang lesen sistem kerangka kayu SABSystem UPM yang berhasrat untuk menghasilkan sebuah mini sistem loji rawatan kumbahan boleh diangkut dan dipasang dengan mudah di bawah tandas perumahan kayu di pedalaman mahupun di atas air.

Selain sasaran penggunaanya adalah



Dr. Rahinah dan ahli kumpulannya menunjukkan cara pemasangan i-STP.

perumahan di perkampungan air di persisiran pantai seperti di Sabah dan penempatan di sungai-sungai di luar negara seperti di Vietnam, Kemboja (Cambodia), Brunei, India dan Bangladesh, teknologi ini juga sesuai diaplikasikan dalam industri perumahan, pelancongan (termasuk pemuliharaan produk pelancongan maritim), pengurusan bencana, dan pengurusan alam sekitar.

Selain Dr. Rahinah, ahli kumpulan penyelidik ini terdiri daripada Prof. Ir. Dr. Azni Hj. Idris dari Fakulti Kejuruteraan Alam Sekitar, Prof. Ir. Dr. Thamer Ahmad Mohammad (Kejuruteraan Sumber Air), Navid Nasrollah Mazandani (Reka Bentuk Perindustrian) dan Datu Mustafa Kamal Mohd Zaini (Fabrikator Kerangka Perkayuan).



Diperbuat daripada polimer plastik berdensiti tinggi dan keluli tahan karat.

Info

- i-STP merupakan inovasi reka bentuk perindustrian yang mengambil sebuah loji rawatan kumbahan anaerobik-aerobik dan menjadikannya sebuah sistem modular yang mudah dipasang.

LAMPIRAN 6

SINAR HARIAN: MUKA SURAT 4

TARIKH: 23 OKTOBER 2018 (SELASA)

Pupuk kesedaran pengurusan sisa yang betul



OLEH: MARLINAH MUSLIM
Pusat Kajian Kelestarian Global
USM, PP

BARU-BARU ini kerajaan telah mengumumkan akan mengambil langkah mengharamkan penggunaan straw plastik bermula 1 Januari 2020 yang memberi pelbagai reaksi netizen di media sosial. Ramai menyangka langkah ini akan mendapat sambutan positif netizen memandangkan ia satu langkah penjagaan alam sekitar yang lestari serta beranggapan generasi kini sudah terdedah tentang isu alam sekitar yang semakin serius.

Saya yakin pengenalan kepada konsep Mengurangkan, Guna Semula & Kitar Semula atau lebih dikenali sebagai '3R' ini telah diajar di semua peringkat sekolah serta pendidikan tinggi, namun adakah kita yakin mereka memahami sepenuhnya konsep tersebut?

Tinjauan dan pemerhatian penulis baru-baru ini kepada komuniti universiti melalui aktiviti penggunaan tong kitar semula mendapati sisa masih tidak diasingkan dengan sempurna apalagi untuk mencapai sifar sisa secara total seperti sedang dibuat negara seperti Jerman, Austria, Wales dan Korea Selatan.

Melalui beberapa siri ceramah kepada para pelajar juga mendapati hampir kesemuanya tidak sedar tentang amalan 3R dan penggunaan tong kitar semula yang betul. Jadi, tidak hairanlah andai masih ada masyarakat yang menolak pengharaman penyedut minuman plastik serta tidak peduli tentang penggunaan beg plastik kerana kebanyakan mereka beranggapan semua benda tersebut boleh kitar semula dengan mudah tanpa memahami fungsi dan amalan sebenar kitar semula.

Apabila setiap kali nampak simbol tiga anak panah berbentuk tiga segi berwarna hijau, saya yakin ramai daripada kita cuma ingat perkataan Kitar Semula (*Recycle*) dan lupa kepada perkataan Mengurangkan (*Reduce*) dan Guna Semula (*Reuse*) tersebut. Perkara yang harus difahami semua adalah Kitar Semula dan Guna Semula itu adalah alternatif kepada tujuan asal iaitu mengurangkan sisa.

Secara logiknya, pertambahan jumlah sisa akan berkadar terus dengan jumlah populasi penduduk. Andai perkara ini tidak dibendung maka kemusnahan alam sekitar akan lebih banyak berlaku. Spesies hidupan laut dan darat akan terancam oleh bahaya sisa tidak mudah urai seperti penyedut minuman plastik dan sebagainya. Untuk penguraian, bahan plastik mengambil masa 10 ke 1000 tahun untuk terurai, bahan aluminium pula mengambil masa 80 hingga ke 200 tahun dan bahan kaca mengambil masa berjuta tahun atau tidak terurai langsung.

Sejarah '3R' bermula pada 22 April 1970 iaitu yang mana buat pertama kalinya sambutan hari bumi disambut. Ia dicetuskan senator Wisconsin, Gaylord Nelson yang mendapat ilham hasil kesan Perang Vietnam yang mana kemusnahan alam sekitar yang teruk berlaku di Vietnam pada masa itu. Bermula dari itu juga, Amerika mula mengambil tahu isu pemuliharaan dan isu alam sekitar.

Sebagai rumusan, kesedaran generasi muda tentang pengurusan sisa yang betul serta konsep 3R perlu dipupuk sejak awal lagi. Melestarikan penyampaian ilmu kepada semua generasi tentang pengurusan sisa yang betul adalah amat penting demi kelestarian dan kesejahteraan negara pada masa hadapan.

LAMPIRAN 7
THE STAR (VIEWS): MUKA SURAT 26
TARIKH: 23 OKTOBER 2018 (SELASA)

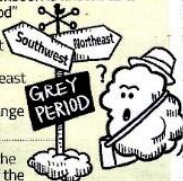
Do you know ...

about the inter-monsoon season?



> There are two inter-monsoon seasons in Malaysia. One is between October and November, at the end of the southwest monsoon, and the other is between March and April, at the tail-end of the northeast monsoon.

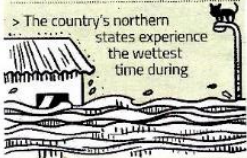
> Inter-monsoon is known as a "grey period" when the southwest monsoon and northeast monsoon winds change direction.



> During the change of the southwest to northeast monsoon wind, one can expect to see waterspouts near the sea, particularly along the coastal areas of the west coast states.

> The weather plays havoc and can make a sudden switch from a hot sunny day to a violent thunderstorm. Generally, the weather is cloudy and wet most of the time during this period.

> The country's northern states experience the wettest time during the onset of the northeast monsoon. Floods and landslides can occur during this period.



> The northeast monsoon is the rainy season in this country. It can cause severe floods in Kelantan, Terengganu, Pahang and east Johor and Sarawak.

> When the wind changes direction between March and April, to face the southwest monsoon, the weather can be humid.

> Southwest monsoon features drier and hotter weather. Drought and haze from open burning, forest fires, vehicle smoke and factory activities can occur during this season.



LAMPIRAN 8

THE SUN (NEWS WITHOUT BORDERS): MUKA SURAT 6

TARIKH: 23 OKTOBER 2018 (SELASA)

Landslide death toll reaches **nine**

> Activists condemn lack of monitoring on hillside development

BY IAN MCINTYRE
AND EDMUND LEE
newsdesk@thesundaily.com

GEORGE TOWN: Two more bodies were recovered yesterday from the landslide at Jalan Bukit Kukus in Paya Terubong near here, bringing the death toll to nine so far.

Rescuers are trying to locate another individual listed as missing.

The latest recovery at 5pm was a Bangladeshi, who was identified as Mohamad Uzzal, 33.

The body found earlier at about noon was of an Indonesian identified as Subaeri, 34.

It is learnt that the Bangladeshi was spotted underneath a container which was the living quarters for the construction workers.

A candlelight vigil was held near the landslide site on Sunday night which turned emotional when one of the participants recalled the lives of the nine foreigners lost.

Lim Li Lian lamented how Penang has still not learnt about mitigating hillside development, saying that the local authorities must be wary since Penang experiences heavy rainfall during the monsoon period.

"It is not an act of God. This is not the Sahara Desert where it never rains," she said.

The civil activists, who were

mostly from the steering committee of the Penang Forum, also held up placards with the names of the victims.

Lim said she was upset that despite countless reminders and warnings issued to the local authorities and the state over hillside development, these tragedies continue to recur.

She was referring to another landslide just over a year ago where 11 foreign construction workers and a Malaysian site supervisor were killed.

Aliran, one of the several civil societies, has echoed Sahabat Alam Malaysia in condemning the lack of monitoring on hillside development, and called for an immediate ban on hilly terrain projects here.

State local government committee chairman Jagdeep Singh Deo said the site was part of a 5km paired elevated road linking the Thean Teik Highway in Bandar Baru Air Itam with the Lebuh Bukit Jambul road.

The project's main line, expected to be completed by 2020, was divided into three components with each having a different developer.

The developers involved were the Penang Island City Council (MBPP), Geo Valley Sdn Bhd and PLB Land Sdn Bhd.

The landslide occurred at Jalan Bukit Kukus which comes under the jurisdiction of MBPP



Rescuers carrying the remains of the eighth victim at Bukit Kukus in Paya Terubong.

contractor Yuta Maju Sdn Bhd.

Jagdeep said a stop-work order was issued by the Department of Occupational Health and Safety on Oct 13 after 14 concrete beams fell due to the mishandling of one by a crane operator at the project site but it was not at the same spot of the landslide.



Tzu Chi providing free meals to rescue workers

MEDIA AND firemen who worked tirelessly in disseminating news and rescue efforts at the Bukit Kukus landslide have at least something to cheer about thanks to efforts by the Buddhist Tzu Chi Merit Society.

The Tzu Chi society has been providing free food and drinks for those working round the clock and even set up tents and provided tables and chairs for the media's convenience.

Penang Buddhist Tzu Chi Merit Society commissioner Khoo Boo Leong said they valued efforts by pressmen and firemen who have been dubbed as heroes behind the scenes for public interest.

He said it was the society's duty to do their best to serve this group of people to ensure their tasks could be carried out smoothly.

Free meals were given out throughout the day since the search and rescue operation started last Friday.

"We will continue doing so till everything is concluded," he said when met at the site.

A total of three canopies, three tables and also 30 chairs were provided while bread, nasi kandar, roti canai and also mineral water were served. — by Edmund Lee



The Buddhist Tzu Chi Merit Society volunteers helping to set up tents for the media and also distributing food to those working on the ground.

We will not tolerate land exploitation: MACC

PETALING JAYA: The Malaysian Anti-Corruption Commission (MACC) takes a serious view of allegations of corruption in illegal land encroachment in Cameron Highlands, said its deputy chief commissioner (operations), Datuk Seri Azam Baki.

Azam was responding to a report in a local vernacular daily which alleged that widespread corruption had led to the recurrence of land exploitation for the purpose of illegal farms.

"MACC will also not tolerate any parties involved with corruption or abuse of power that has caused the issue of illegal land encroachment to recur," he said in a statement yesterday.

Azam said this should not be a recurring issue as state governments can take immediate action such as what Tan Sri Muhyiddin Yassin did during "Ops Gading" in 2014 to combat illegal land encroachment activities to prevent mud floods and landslides.

Muhyiddin, who was deputy prime minister then, resorted to this following flooding and landslides that affected Ringlet, Bertam Valley and Kuala Terla.

The operation was launched to clear the highlands of illegal farms.

Azam urged state authorities to enforce the law to prevent further land encroachment.

"Legal action will be taken under the jurisdiction of MACC to tackle issues of corruption or abuse of power."

MACC has arrested 23 individuals and charged 11 for various offences related to illegal land encroachment in Cameron Highlands from 2015 to date.

The graft buster also urged the public with information on corruption involving cases of land intrusion and illegal farms in Cameron Highlands to report directly to the nearest MACC office.

'Why was no action taken on water flow?'

THE PENANG Island City Council is demanding an explanation from the project consultant on why major causes of water flow from a stream near the landslide site in Bukit Kukus was not given attention.

Mayor Datuk Yew Tung Seang said he noticed that the stream on top of the hill slope was blocked without any proper

diversion during his visit to the site on Saturday morning.

"This main issue must be looked into and an explanation must be given," he said when met at the site in Paya Terubong yesterday.

Yew said the council had already initiated its own internal inquiry on the incident and was cooperating with police

and also the Board of Engineers on the matter.

"The main aim now is to recover any other bodies and we pledge to take action against the parties found to be negligent," he said.

The council would not point fingers at anyone before investigations are completed, he added.

Cat found underneath rubble dies

THE TABBY cat which was found alive under the rubble of the landslide in Paya Terubong and garnered people's attention died yesterday.

According to Penang Buddhist Tzu Chi Merit Society commissioner Khoo Boo Leong, the cat died due to internal injuries

sustained in the landslide.

He said the cat was taken to a veterinary clinic for treatment after being rescued.

However, Khoo said the feline, who suffered from fractured legs, had lost its appetite.

"It is very unfortunate," he said when met

at the site in Bukit Kukus, Paya Terubong.

The tabby, which was found soaked, was saved and immediately sent for treatment by firemen.

Khoo said he was informed by veterinary personnel about its death yesterday morning.

LAMPIRAN 9

BERITA HARIAN (DUNIA): MUKA SURAT 55
TARIKH: 23 OKTOBER 2018 (SELASA)

4 gempa bumi gegar pantai barat Kanada

Washington: Empat kejadian gempa bumi berukuran daripada magnitud 4.9 hingga 6.8 menggegarkan pantai barat Kanada lewat kelmarin, kata Pusat Tinjauan Geologi Amerika Syarikat (USGS).

Pusat bagi gempa magnitud 6.6 pada jam 10.39 malam waktu tempatan itu dikesan sejauh 218 kilometer dari barat daya Port Hardy, kawasan perbandaran kecil di timur laut Pulau Vancouver British Columbia dan sejauh 571 kilometer di barat laut Seattle, Amerika Syarikat (AS).

Gempa kedua paling kuat berukuran magnitud 6.8 pada skala Richter berlaku sejauh 196 kilometer di barat daya bandar Kanada itu lebih setengah jam kemudian pada jam 11.16 malam.

Enam minit kemudian, gempa ketiga berukuran magnitud 6.5 dikesan sejauh 222 kilometer di barat daya Port Hardy, sebelum gempa lebih kecil berukuran magnitud 4.9 berlaku di kawasan sama 14 minit kemudian.

Tiada laporan awam kerosakan atau kecederaan serta tiada amaran tsunami dikeluarkan.

Rantau itu terletak berhampiran zon benam, garisan gelincir besar yang terletak di luar pantai, bermula dari utara Pulau Vancouver sehingga California Utara di AS.

AFP

LAMPIRAN 10

SINAR HARIAN (SULAWESI MENANGIS): MUKA SURAT 16
TARIKH: 23 OKTOBER 2018 (SELASA)

Gempa dua hari berturut-turut

JAKARTA - Gempa berkekuatan 3.7 skala Richter menggegar Palu, semalam.

Badan Meteorologi, Klimatologi dan Geofizik (BMKG) menerusi Twitter memaklumkan gegaran itu berlaku pada jam 8.09 pagi (waktu tempatan) dan pusat gempa itu berada di darat.

"Pusat gempa berada di daratan 25 kilometer (km) di timur laut Palu dan berada pada kedalaman 10 km," jelas agensi itu.

Gempa di Palu dan Parigi tersebut berada dalam skala III yang mana gegaran itu boleh dirasakan dengan jelas seperti ada trak sedang melalui kawasan itu.

Kelmarin, satu gempa sederhana dilaporkan berlaku di Poso, Sulawesi Tengah.

Gempa 4.5 magnitud itu berpusat di darat, kira-kira 34 km di barat bandar Poso.

Gegaran sederhana berada pada skala Modified Mercalli Intensity (MMI) itu turut dirasakan penduduk Tambarana. - *Agensi*

LAMPIRAN 11
THE STAR (WORLD): MUKA SURAT 23
TARIKH: 23 OKTOBER 2018 (SELASA)

Dangerous Hurricane Willa closes in on Mexico

MEXICO CITY: Hurricane Willa surged to a dangerous Category Four storm off Mexico's Pacific coast, US forecasters said, warning of a life-threatening storm surge, as well as heavy winds and rainfall.

The monster storm was 340km south-southwest of Cabo Corrientes, Mexico yesterday, packing top sustained winds of 230kph.

"Extremely dangerous ... Hurricane Willa continues to rapidly strengthen (and is) forecast to produce life-threatening storm surge, wind and rainfall over portions of southwestern and west-central Mexico beginning on Tuesday," the Miami-based National Hurricane Center (NHC) warned.

It was churning forward north-

northwest, at a slow 9kph, the forecast said.

"Additional strengthening is expected during the next day or so and Willa is forecast to be a dangerous hurricane when it reaches the coast of Mexico," the NHC said.

Mexico's government has put various parts of the coast on alert.

Elsewhere, Tropical Storm

Vicente – with maximum sustained winds of 65kph – was expected to bring "heavy rainfall and flooding" over Mexico's south and southwest.

Since last Thursday, the southern state of Oaxaca has suffered flooding and landslides related to the rains, which authorities said have left 11 people dead. — AFP

LAMPIRAN 12
MALAY MAIL (WORLD): MUKA SURAT 18
TARIKH: 23 OKTOBER 2018 (SELASA)

Four earthquakes strike off Canada's west coast

WASHINGTON — Four earthquakes — measuring from 4.9 to 6.8 magnitude — struck in quick succession off Canada's west coast late Sunday, the US Geological Survey said.

The epicentre of the first 6.6 tremor, at 10:39pm, was located 218km southwest of Port Hardy — a small municipality on the northeastern tip of British Columbia's Vancouver Island — and 571km northwest of Seattle.

The second stronger quake, measuring 6.8 on the Richter scale, occurred 196.3km southwest of the Canadian town more than half an hour later, at 11.16pm.

Six minutes later, a third 6.5 magnitude tremor was registered 222km southwest of Port Hardy — before a weaker 4.9 quake was recorded in the same place 14 minutes after that.

There were no initial reports of damage or injuries, and no tsunami warnings were issued.

The region is located near the Cascadia subduction zone, a mammoth fault line that lies offshore, stretching from northern Vancouver Island to Northern California in the United States.

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"Extremely dangerous... Hurricane Willa continues to rapidly strengthen (and is) forecast to produce life-threatening storm surge, wind and rainfall over portions of southwestern and west-central Mexico beginning on Tuesday," the Miami-based National Hurricane Centre warned.

It was churning forward north-northwest, at a slow nine kilometres per hour, the forecast said.

"Additional strengthening is expected during the next day or so, and Willa is forecast to be a dangerous hurricane when it reaches the coast of Mexico," the NHC said.

Mexico's government has put various parts of the coast on alert.

Elsewhere, Tropical Storm Vicente — with maximum sustained winds of 65km per hour — was expected to bring "heavy rainfall and flooding" over Mexico's south and southwest.

Since last Thursday, the southern state of Oaxaca has suffered flooding and landslides related to the rains, which authorities said have left 11 people dead. — AFP