

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

Bil	Berita	Media	Capaian Berita Penuh
1.	<a href="#"><u>More dry days until middle of September</u></a>	The Star	Klik pada tajuk berita / Rujuk lampiran 1
2.	<a href="#"><u>Disposable plastic for scalpel, "no basic straw" to expand (Malaysia)</u></a>	Jetro.go.jp	Klik pada tajuk berita
3.	<a href="#"><u>Where is the waste plastic going to be lost? (Malaysia)</u></a>	Jetro.go.jp	Klik pada tajuk berita
4.	<a href="#"><u>Kesan tambakan laut projek PSR turut melibatkan Perak</u></a>	Sinar harian	Klik pada tajuk berita
5.	<a href="#"><u>Perak larang bina menara pemancar telekomunikasi atas bangunan</u></a>	Utusan Malaysia	Klik pada tajuk berita
6.	<a href="#"><u>Perak larang bina menara pemancar komunikasi atas bangunan</u></a>	Sinar Harian	Klik pada tajuk berita
7.	<a href="#"><u>Sungai Melaka tercemar</u></a>	Berita Harian	Klik pada tajuk berita
8.	<a href="#"><u>Melaka River Cruise mungkin digantung operasi</u></a>	Harian Metro	Klik pada tajuk berita
9.	<a href="#"><u>Operasi bot Melaka River Cruise dihentikan sementara</u></a>	Kosmo!	Klik pada tajuk berita
10.	<a href="#"><u>Air Sungai Melaka busuk, tercemar, ribuan ikan mati / Ribuan ikan mati</u></a>	Utusan Malaysia	Klik pada tajuk berita/ Rujuk lampiran 2
11.	<a href="#"><u>Sungai Melaka bertukar warna hitam, bau busuk / Air sungai busuk, bangkai</u></a>	Sinar Harian	Klik pada tajuk berita / Rujuk lampiran 3



	<u>ikan terapung</u>		
12.	<a href="#">U.S. Recycling Industry Gains From China's Scrap Imports Ban</a>	Business Times	Klik pada tajuk berita
13.	<a href="#">Self-service laundry license application must pass 3 approvals</a>	See Hua	Klik pada tajuk berita
14.	<u>Pollution turns Malacca river black</u>	The Sun Daily	Rujuk lampiran 4
15.	<u>Industrial discharge partly to blame for pollution</u>	The Star	Rujuk lampiran 5
16.	<u>Sungai Melaka bertukar warna hitam, ribuan ikan mati akibat tercemar</u>	Kosmo!	Rujuk lampiran 6
17.	<u>Radically reducing what's thrown away</u>	The Star	Rujuk lampiran 7

## TEMPATAN

Bil	Berita	Media	Capaian Berita Penuh
18.	<a href="#">TNB Pahang rai golongan istimewa</a>	Berita Harian	Klik pada tajuk berita
19.	<u>Lynas wajib selesai masalah sisa buangan</u>	Utusan Malaysia	Rujuk lampiran 8
20.	<u>Malacca Rivers Black Due to Suspected Pollution</u>	The Sun Daily	Rujuk lampiran 9
21.	<u>Sarawakian, 13, among winners of Nasa contest</u>	The Sun Daily	Rujuk lampiran 10
22.	<u>Wajib selesai sisa buangan walau berpindah</u>	Kosmo	Rujuk lampiran 11



23.	<b><u>Kilang wajib selesai masalah sisa buangan</u></b>	Berita Harian	Rujuk lampiran 12
24.	<b><u>Lynas wajib selesaikan sisa buangan walaupun pindah</u></b>	Sinar Harian	Rujuk lampiran 13
25.	<b><u>Lynas tidak berpindah ke AS</u></b>	Utusan Malaysia	Rujuk lampiran 14
26.	<b><u>'Tackle Heavy Metal Pollution Issue'</u></b>	New Straits Times	Rujuk lampiran 15
27.	<b><u>Lynas Corp pindah kemudahan proses nadir bumi ke Texas</u></b>	Berita Harian	Rujuk lampiran 16
28.	<b><u>Secure a leadership role for Industry 4.0</u></b>	The Star	Rujuk lampiran 17
29.	<b><u>Advancements in wearable technology</u></b>	The Star	Rujuk lampiran 18
30.	<b><u>Curbing wasteful ways</u></b>	The Star	Rujuk lampiran 19
31.	<b><u>Rivers of sediment</u></b>	The Star	Rujuk lampiran 20

## ANTARABANGSA

Bil	Berita	Media	Capaian Berita Penuh
32.	<b><u>Lynas Plans to Set Up Texas Plant</u></b>	New Straits Times	Rujuk lampiran 21

LAMPIRAN 1  
THE STAR (NATION): MUKA SURAT 2  
TARIKH: 21 MEI 2019 (SELASA)

## More dry days until middle of September

**PETALING JAYA:** As the south-west monsoon sweeps across the country, more states will be experiencing more dry days, said the Malaysian Meteorological Department (MetMalaysia).

The south-west monsoon started on May 6 and is expected to continue until the middle of September.

The winds during this period would lead to a drier climate and less rain cloud formation, said MetMalaysia director-general Datuk Alui Bahari.

As such, dry spells are forecast to take place in many parts of the country.

“Although the south-west monsoon is characterised by low rainfall, it will still rain but with a relatively lower amount compared to other periods.

“Other than that, the rainy spell in the evenings during the south-west monsoon also normally happens briefly, just one or two hours.

“This is among the factors why the weather is still hot even though there is rain,” he said to *The Star*.

Alui said the formation of squall lines – narrow bands of thunderstorms and winds – had the potential to happen near the west of the peninsula and western Sabah in the early mornings due to wind convergence and unstable atmosphere.

This will bring hours of heavy rain, wind and thunder to some parts of Malaysia, said Alui.

“An individual thunderstorm normally lasts an hour but the whole squall line system can last for a few hours,” he said.

LAMPIRAN 2  
UTUSAN MALAYSIA (DALAM NEGERI): MUKA SURAT 6  
TARIKH: 21 MEI 2019 (SELASA)



**LOW CHEE LEONG** (kanan) bersama Azlan Abidin menunjukkan bangkai ikan yang dibersihkan dari Sungai Melaka selepas meninjau keadaan sungai yang tercemar di Melaka, semalam.

## Ribuan ikan mati

**MELAKA 20 Mei** - Ribuan ikan ditemukan mati terapung dan air sungai bertukar menjadi warna hitam serta berbau busuk dipercayai berpunca dari pencemaran air Sungai Melaka, sejak malam tadi.

Pengerusi Jawatankuasa Kesihatan dan Antidadah negeri, Low Chee Leong berkata, masalah pencemaran air sungai itu disyaki bermula dari Empangan Batu Hampar, Batu Berendam, di sini sebelum merebak hingga ke muara Sungai Melaka.

Menurut beliau, pihaknya bagaimanapun telah meminta Jabatan Alam Sekitar (JAS) negeri untuk membuat siasatan segera dan memberi maklum balas secepat mungkin mengenai masalah yang menjejaskan pengguna itu.

“Kita dimaklumkan air sungai ia mula menjadi hitam

sejak malam tadi dan berbau busuk disebabkan banyak ikan yang mati.

“Pihak Perbadanan Pembangunan Sungai dan Pantai Melaka (PPSPM) juga berjanji untuk menyelesaikan segera masalah ini hari ini termasuk membersihkan bangkai-bangkai ikan dan menukar air sungai tersebut,” katanya ketika ditemui semasa mengadakan tinjauan ke Sungai Melaka, di sini.

Hadir sama Ketua Pegawai Eksekutif Perbadanan Pembangunan Sungai dan Pantai Melaka, Azlan Abidin.

Difahamkan, jarak yang perlu dibersihkan oleh PPSPM adalah sejauh tiga kilometer dari Taman Rempah ke Muara Sungai Melaka namun punca sebenar air tercemar itu adalah dari Batu Hampar sejauh kira-kira lima kilometer.

LAMPIRAN 3  
 SINAR HARIAN (SETEMPAT): MUKA SURAT 24  
 TARIKH: 21 MEI 2019 (SELASA)

# Air sungai busuk, bangkai ikan terapung

**Sungai Melaka tercemar, operasi bot Melaka River Cruise mungkin dihentikan sementara**

AMRAN ALI

MELAKA

Operasi perkhidmatan bot Melaka River Cruise mungkin terpaksa dihentikan sementara jika tahap pencemaran yang berlaku di sepanjang kira-kira tiga kilometer di Sungai Melaka menjadi semakin teruk.

Demikian dinyatakan Ketua Pegawai Eksekutif Perbadanan Pembangunan Sungai dan Pantai Melaka (PPSPM), Azlan Abidin selepas mendapati air di sungai terabit berwarna gelap dan bau busuk malah terdapat banyak bangkai ikan yang ditemui terapung.

Menurutnya, masalah itu kini sedang diatasi, namun jika keadaan bertambah buruk, pihaknya tidak teragak-agak untuk menghentikan sementara operasi pe-

lancongan bot Melaka River Cruise di sungai terabit buat sementara.

"Bahagian teknikal kami kini sedang menjalankan aktiviti pembersihan dengan memungut bangkai-bangkai ikan yang timbul di permukaan air dan dapat kita lihat warna air bertambah hitam ketika ini.

"Seramai 60 orang kakitangan giat melakukan pembersihan ini selepas kita menerima banyak aduan daripada pelancong yang menggunakan perkhidmatan Melaka River Cruise," katanya ketika ditemui di jeti River Cruise Taman Rempah semalam.

Menurutnya, siasatan dilakukan kakitangannya mendapati air berwarna hitam bermula dari Batu Hampar, Batu Berendam dipercayai mengalir ke Sungai Melaka hingga ke Taman Rempah, lokasi bot River Cruise beroperasi.

Menurut beliau, **Jabatan Alam Sekitar (JAS)** sudah dimaklumkan mengenai hal itu dan berharap masalah terabit dapat diatasi segera.

Katanya, air terabit dijangka dilepaskan keluar ke laut, namun menunggu air laut pasang dan



Sebahagian bangkai ikan yang ditemui terapung dalam Sungai Melaka.



Ribuan bangkai ikan yang ditemui terapung di Sungai Melaka.

proses itu dijangka dilakukan jam 12 tengah malam nanti.

"Ketika ini air laut sedang surut, kita tidak boleh buang air ke laut kerana sungai akan kering," katanya sambil mengesah-

kan kejadian itu yang pertama berlaku sejak 2006.

Berikutan kejadian tersebut, PPSPM turut membuat satu laporan polis di Balai Polis Melaka Tengah.

**DALAM** pada itu Exco Kesihatan dan Anti Dadah negeri, Low Chee Leong berkata, pencemaran dipercayai berlaku sepanjang tiga kilometer sejak malam kelmarin.

"Pencemaran sungai dipercayai bermula dari Empangan Batu Hampar, Batu Berendam dan saya sudah mengarahkan pihak JAS mengambil sampel air serta bangkai ikan untuk membuat siasatan bagi mengenal pasti punca.

"Perkara ini juga sudah dirujuk kepada Jabatan Kesihatan untuk diambil tindakan dan membantu pihak JAS serta Pembangunan Sungai dan Pantai Melaka (PPSPM)," katanya ketika ditemui selepas melakukan tinjauan di jeti River cruise, Taman Rempah semalam.

Ekoran kejadian itu, beliau juga bimbang kejadian keracunan seperti kes di Johor berulang dan ia boleh menjejaskan imej Melaka sebagai negeri tumpuan pelancongan.



Azlan dan Chee Leong menunjukkan bakul berisi bangkai ikan.



Jeti bot Melaka River Cruise di Taman Rempah.

info

- 60 kakitangan giat jalankan operasi pembersihan
- Air berwarna hitam bermula dari Batu Hampar, Batu Berendam, dipercayai mengalir ke Sungai Melaka hingga ke Taman Rempah, lokasi bot River Cruise beroperasi
- JAS diarah ambil sampel air serta bangkai ikan untuk siasatan

**LAMPIRAN 4**  
**THE SUN DAILY (NEWS WITHOUT BORDERS): MUKA SURAT 6**  
**TARIKH: 21 MEI 2019 (SELASA)**

### Pollution turns Malacca river black

**MALACCA:** Pollution caused the water in the Malacca River to turn black and foul-smelling with dead fish yesterday, especially in Taman Rempah.

Malacca Health and Anti-Drugs exco, Low Chee Leong, said the pollution was found to be from the Batu Hampar Dam in Batu Berendam, which has been instructed to be shut down immediately to prevent the situation from getting worse.

"We worry that the pollution will get worse and do not want a repeat of the chemical pollution in Sungai Kim Kim, Pasir Gudang, Johor," Low, who is also Kota Laksamana state assemblyman, said. "We have asked the Department of Environment and the Health Department to take immediate action and get a sample of the contaminated water and the dead fish for analysis. – Bernama

LAMPIRAN 5  
THE STAR (NATION): MUKA SURAT 5  
TARIKH: 21 MEI 2019 (SELASA)

## Industrial discharge partly to blame for pollution

By R.S.N. MURALI  
murali@thestar.com.my

**MELAKA:** Industrial effluent has been identified as one of the key contributors to the pollution of the historic Sungai Melaka waterway, says State Health and Anti-Drug Committee chairman Low Chee Leong.

Citing yesterday's incident, Low said the river pollution resulted in the deaths of thousands of freshwater fish within hours.

"I received dozens of images of rotting dead fish all along the river.

"This could lead to health complications for those residing along the riverbank," he said after visiting the

“  
Efforts are being made to remove the dead fish before they submerge to the bottom of the river.”

Low Chee Leong

median point of Sungai Melaka at the ferry cruise service in Taman Rempah here yesterday.

Low said the state Department of

Environment (DoE) was still investigating the source of the pollution, but preliminary findings pointed to effluent discharge from the Batu Hampar tributary in Malim near here.

"The pollution stretches almost 5km and efforts are being made to remove the dead fish before they submerge to the bottom of the river," he added.

Low also said the Melaka and Coastal Development Corporation had already deployed workers to gather the fish.

"Our main concern is that bacteria on the carcasses may multiply and diminish the river's oxygen level, which could lead to the sec-

ond wave affecting other aquatic lives," he said.

Low said there were many industries along the riverbank and that detailed laboratory tests could help to trace the polluters.

"This incident is unacceptable as the state depends on tourism.

"The unbearable pungent smell would drive away visitors," he added.

Corporation chief executive officer Azlan Abidin said a police report would be lodged over the incident.

"The report is part of the procedure and we will take the next step after the DoE releases the toxicology findings," he said.



**Health hazard:** Rotting dead fish floating in Sungai Melaka due to pollution.



LAMPIRAN 6  
KOSMO! (DALAM NEGARA): MUKA SURAT 16  
TARIKH: 21 MEI 2019 (SELASA)

## Sungai Melaka bertukar warna hitam, ribuan ikan mati akibat tercemar

MELAKA – Pencemaran Sungai Melaka yang menyebabkan air bertukar warna menjadi hitam, berbau busuk dan ikan mati dikesan berlaku terutama di Taman Rempah di sini sejak kelmarin, kata Exco Kesihatan dan Anti Dadah Melaka, Low Chee Leong (**gambar kecil**).

Chee Leong yang juga Ahli Dewan Undangan Negeri Kota Laksamana berkata, pencemaran itu dikesan bermula dari Empangan Batu Hampar di Batu Berendam di sini dan berikutan itu, arahan penutupan empangan berkenaan dilakukan dengan segera bagi mengelak situasi menjadi lebih buruk.

“Kita bimbang pencemaran seumpama ini menjadi lebih teruk dan tidak mahu kejadian pencemaran kimia di Sungai Kim Kim, Pasir Gudang, Johor baru-baru ini berlaku di sini.

“Kita telah meminta **Jabatan Alam Sekitar** dan **Jabatan Kesihatan** untuk segera bertindak dan mengambil sampel air sungai tercemar serta bangkai ikan untuk dianalisis bagi

mengetahui punca pencemaran dan tahap keseriusannya,” katanya pada sidang akhbar di Jeti Melaka River Cruise di Taman Rempah di sini semalam.



Turut hadir Ketua Pegawai Eksekutif Perbadanan Pembangunan Sungai dan Pantai Melaka (PPSPM), Azlan Abidin.

Dalam pada itu, Azlan memberitahu, pihaknya akan melakukan ‘flashing’ air dengan membuka empangan di muara Sungai Melaka di sini dan memastikan Empangan Batu Hampar ditutup agar air sungai tercemar dapat dialirkan keluar ke laut kira-kira tengah malam.

“Kira-kira 60 kakitangan PPSPM akan terlibat dalam kerja-kerja pembersihan bangkai ikan yang mati dan sampah sarap yang telah mula dilakukan sejak pagi semalam,” ujarnya.

Jelasnya, pencemaran itu adalah yang pertama berlaku sejak bot Melaka River Cruise itu memulakan operasi pada 2006,



**IKAN** yang mati terapung di jeti Melaka River Cruise akibat pencemaran yang berlaku di Sungai Melaka sejak kelmarin.



# LAMPIRAN 7 THE STAR (ECOWATCH): MUKA SURAT 2 TARIKH: 21 MEI 2019 (SELASA)

HERE is one novel way for Malaysians to reduce our waste footprint: Give up on the idea – gasp! – of owning anything.

Maria Antikainen (pic) is confident this can be done. She is from Finland's VTT Technical Research Centre, which provides research and innovation services and information under Finland's Ministry of Economic Affairs and Employment.

Antikainen explains that such a scenario is not impossible at all and is the basis of the concept of the "circular economy" that is gaining ground among Nordic countries (typically, Finland, Denmark, Norway and Sweden).

## Radically reducing what's thrown away

She points out there are already platforms that allow for the sharing of services, such as e-hailing.

"Everything can be offered as a service – clothes, furniture, housing, even food.

"There are already pilot projects offering clothing to share as a service," she said in her keynote speech on How to Make Business Out of Circular Economy – A Nordic Perspective during a



Nordic Day seminar on April 11 in Kuala Lumpur.

Some clothing companies in Nordic countries are already offering such sharing services.

And the idea has caught on beyond, too:

From Rent the Runway and Tulerie in the United States to YCloset in China, consumers are embracing clothes sharing.

So what's just one more step to

eventually sharing food and, one day, furniture and even housing?

The Nordic countries are advocating implementing the circular economy in which consumption is based on using services – sharing, renting and recycling.

The current world economy, Antikainen says, is full of inefficiencies, resulting in loss and waste.

"Studies show that cars are not used 92% to 98% of the time, offices are empty 60% of the time and one-third of food goes into the

waste bin," she says.

The traditional linear economy that is in place now in most countries – arguably, globally – relies on churning out ever more products to drive profitability, she points out.

"But what happens when the consumer buys the product? In fact, the value goes downhill.

"The value of a new car goes down in its first 10km – that's depreciation," explains Antikainen.

A circular economy, on the other hand, strives to retain the value of the product longer so that it can be used over a longer period of time, thus reducing waste

and saving landfill space.

So while in a linear economy, a torn pair of shoes will be discarded and replaced with a new pair, this same pair in a circular economy would be repaired and reused – probably numerous times over – until its lifecycle is truly over.

It is a step up from a recycling economy, which, although it focuses on making recycling processes more efficient, does not actually preserve the environment, according to Antikainen.

In addition, the recent controversy over plastic waste dumping means that much of the waste supposedly collected for recycling in developed parts of the world

like the European Union, Germany and Australia simply end up being dumped in developing nations, including Malaysia.

Science, Technology, Environment and Climate Change Minister Yeo Bee Yin has talked about developing a circular economy in tandem with the government phasing out single use plastics – however, Malaysia's recycling rate was, sadly, only at 24.6% last year.

Although many businesses may balk at the idea of consumers not owning goods – and, ultimately, giving up on shopping altogether – Antikainen claims that there is business potential and opportuni-

ties in a circular economy.

She says estimations made by Sitra – a public foundation that promotes balanced development – shows that the circular economy is capable of generating additional global economic output of US\$4.5tril (RM18.8tril) by 2030 and US\$25tril (RM104.41tril) by 2050.

At the moment, only the Nordic countries and Britain, Scotland, the Netherlands, Japan and Germany are seriously exploring the circular economy concept. Malaysian businesses might want to look into it as well – it would be foolish to miss out on such a huge financial pie that makes good food for thought for consumers.



**LAMPIRAN 8**  
**UTUSAN MALAYSIA (DALAM NEGERI): MUKA SURAT 7**  
**TARIKH: 21 MEI 2019 (SELASA)**

## Lynas wajib selesai masalah sisa buangan

**KUANTAN 20 Mei** - Kilang pemprosesan nadir bumi, Lynas (Malaysia) Sdn. Bhd. (Lynas) wajib menyelesaikan masalah sisa buangannya di Gebeng di sini.

Pengerusi Pakatan Harapan Pahang, Fuziah Salleh berkata, Lynas juga perlu bertanggungjawab kepada nasib pekerja mereka dan mematuhi hak yang dijamin di bawah Undang-

Undang Buruh jika mereka menamatkan operasi di sini.

"Lynas wajib menyelesaikan masalah sisa buangan di Gebeng walaupun sekiranya mereka berpindah. Itu adalah tanggungjawab mereka. Kalau keluar dari Malaysia tidak bermakna (mereka) tidak perlu menyelesaikan masalah sisa buangan yang banyak di sini.

"Mereka boleh keluar (dari Malaysia) tetapi mesti bertanggungjawab ke atas pekerja dan sisa buangan mereka," katanya dalam kenyataan di sini, hari ini.

Fuziah yang juga Ahli Parlimen Kuantan berkata demikian bagi mengulas laporan sebuah portal berita hari ini, yang melaporkan Lynas Corp. telah menandatangani memorandum

persefahaman dengan Blue Line Corp. yang berpangkalan di Texas, Amerika Syarikat.

Tindakan itu didakwa dibuat berdasarkan perkembangan di Malaysia yang mengarahkan Lynas untuk mengeluarkan sisa buangannya sebelum lesen operasinya yang dijadual tamat pada 2 September ini dapat diperbaharui.

-BERNAMA



**LAMPIRAN 9**  
**THE SUN DAILY (BRIEFS): MUKA SURAT 4**  
**TARIKH: 21 MEI 2019 (SELASA)**

**MALACCA RIVERS BLACK DUE  
TO SUSPECTED POLLUTION**

MALACCA: Pollution has caused the water in the Melaka River to turn black and foul-smelling, with dead fish, since Sunday, especially in Taman Rempah. Malacca Health and Anti-Drugs executive councillor Low Chee Leong said the pollution was detected coming from the Batu Hampar Dam in Batu Berendam, which has been told to be shut down immediately to prevent the situation from getting worse. "We are worried- that the pollution will get worse and do not want a repeat of the chemical pollution in Sungai Kim Kim, Pasir Gudang, Johor," Low, who is also Kota Laksamana state assemblyman, said. - Bernama

**LAMPIRAN 10**  
**THE SUN DAILY (NEWS WITHOUT BORDERS): MUKA SURAT 4**  
**TARIKH: 21 MEI 2019 (SELASA)**

## Sarawakian, 13, among winners of Nasa contest

**PETALING JAYA:** A 13-year-old Sarawakian is among five winners of a patch design competition organised by US National Aeronautics and Space Administration (Nasa) for its mission to the moon and Mars in 2024.

The winning design by Wei Rui Teng from Miri was chosen along with those by Ishhaq Ziyam of Sri Lanka, Neal Apte of the US, Madison Morgan of the US and Paxton Summers of the US.

Their designs were picked from a pool of nearly 10,000 entries by children from age seven to 13 across the globe.

The competition named "Design A Mission Patch", was held online by Tynker, a Kids coding platform.

The winners will have the opportunity to invite their fellow students to a video chat with a Nasa expert on its work and the details of space travel.

The video chats are scheduled for the week starting May 20, which coincides with the 50th anniversary of the Apollo 10 mission.

Vice-president of Educator Programs at Tynker, Kaustav Mitra, said the company is thrilled with the results and hoped that the challenge has inspired a new generation of children to learn more about space missions, Nasa and the impact they have on space exploration.

The Design A Mission Patch project is the first of three planned "Moon2Mars" coding challenges being released by Tynker this year, in collaboration with Nasa.

LAMPIRAN 11  
 KOSMO! (DALAM NEGARA): MUKA SURAT 4  
 TARIKH: 21 MEI 2019 (SELASA)



KERATAN Kosmo! 1 April 2019.

## Wajib selesai sisa buangan walau berpindah

**KUANTAN** - Kilang pemprosesan nadir bumi, Lynas (Malaysia) Sdn. Bhd. (Lynas) wajib menyelesaikan masalah sisa buangnya di Gebeng di sini, walaupun memindahkan operasinya ke negara lain.

Pengerusi Pakatan Harapan Pahang, Fuziah Salleh berkata, Lynas juga perlu bertanggungjawab kepada nasib pekerja mereka dan mematuhi hak yang dijamin di bawah Undang-Undang Buruh jika mereka menamatkan operasi di sini.



"Lynas wajib menyelesaikan masalah sisa buangan di Gebeng walaupun sekiranya mereka berpindah. Itu adalah tanggungjawab mereka. Keluar dari Malaysia tidak bermakna (mereka) tidak perlu menyelesaikan masalah sisa buangan yang banyak di sini.

"Mereka boleh keluar (dari Malaysia) tetapi mesti bertanggungjawab ke atas pekerja dan sisa buangan mereka," katanya dalam kenyataan di sini semalam.

Fuziah yang juga Ahli Parlimen Kuantan berkata demikian bagi mengulas laporan sebuah portal yang melaporkan Lynas Corp telah menandatangani memorandum persefahaman dengan Blue Line Corp yang berpangkalan di Texas, Amerika Syarikat untuk membina kilang baharu di negara itu.

LAMPIRAN 12  
BERITA HARIAN (ISU): MUKA SURAT 9  
TARIKH: 21 MEI 2019 (SELASA)

## Kilang wajib selesai masalah sisa buangan

**Kuantan:** Kilang pemrosesan nadir bumi, Lynas (Malaysia) Sdn Bhd (Lynas) wajib menyelesaikan masalah sisa buangannya di Gebeng di sini, walaupun memindahkan operasinya ke negara lain.

Pengerusi Pakatan Harapan Pahang, Fuziah Salleh, berkata Lynas juga perlu bertanggungjawab kepada nasib pekerja mereka dan mematuhi hak yang dijamin di bawah Undang-Undang Buruh jika mereka menamatkan operasi di sini.

"Lynas wajib menyelesaikan masalah sisa buangan di Gebeng walaupun sekiranya mereka berpindah. Itu adalah tanggungjawab mereka. Keluar dari Malaysia tidak bermakna (mereka) tidak perlu menyelesaikan masalah sisa buangan yang banyak di sini.

### **Bertanggungjawab ke atas pekerja**

"Mereka boleh keluar (dari Malaysia), tetapi mesti bertanggungjawab ke atas pekerja dan sisa buangan mereka," katanya dalam kenyataan di sini, semalam.

Fuziah yang juga Ahli Parlimen Kuantan berkata demikian bagi mengulas laporan sebuah portal berita hari ini, yang melaporkan Lynas Corp sudah menandatangani memorandum persefahaman dengan Blue Line Corp yang berpangkalan di Texas, Amerika Syarikat untuk membina kilang baharu di negara itu.

Tindakan itu didakwa dibuat berdasarkan perkembangan di Malaysia yang mengarahkan Lynas untuk mengeluarkan sisa buangannya sebelum lesen operasinya yang dijadual tamat pada 2 September depan dapat diperbaharui.

**BERNAMA**

LAMPIRAN 13  
SINAR HARIAN (NASIONAL): MUKA SURAT 10  
TARIKH: 21 MEI 2019 (SELASA)

## **Lynas wajib selesaikan sisa buangan walaupun pindah**

KUANTAN - Kilang pemprosesan nadir bumi, Lynas (Malaysia) Sdn Bhd (Lynas) wajib menyelesaikan masalah sisa buangannya di Gebeng di sini, walaupun memindahkan operasinya ke negara lain.

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"Mereka boleh keluar (dari Malaysia) tetapi mesti bertanggungjawab ke atas pekerja dan sisa buangan mereka," katanya dalam kenyataan di sini semalam.

Fuziah yang juga Ahli Parlimen Kuantan berkata demikian bagi mengulas laporan



FUZIAH

sebuah portal berita semalam yang melaporkan Lynas Corp telah menandatangani memorandum persefahaman dengan Blue Line Corp yang berpangkalan di Texas, Amerika Syarikat untuk membina kilang baharu di negara itu.

Tindakan itu didakwa dibuat berdasarkan perkembangan di Malaysia yang mengarahkan Lynas untuk mengeluarkan sisa buangannya sebelum lesen operasinya yang dijadual tamat pada 2 September ini dapat diperbaharui. - *Bernama*



**LAMPIRAN 14**  
**UTUSAN MALAYSIA (DALAM NEGERI): MUKA SURAT 7**  
**TARIKH: 21 MEI 2019 (SELASA)**

## **Lynas tidak berpindah ke AS**

**KUANTAN 20 Mei**

- Memorandum persefahaman (MoU) yang dimeterai antara Lynas Corporation Limited (Lynas) dengan syarikat berpangkalan di Texas, Blue Line Corp. bukan untuk memindahkan operasi kilang memproses nadir bumi berkenaan ke Amerika Syarikat (AS).

Ketua Pegawai Eksekutif Lynas, Amanda Lacaze berkata, AS memerlukan nadir bumi dan buat masa ini tiada kebolehan pengasingan di situ.

Jelasnya, cadangan perkongsian adalah untuk memenuhi kekurangan itu dan membolehkan Lynas memberikan perkhidmatan yang terbaik kepada pelanggannya.

“Cadangan untuk mengadakan fasiliti bagi pengasingan nadir bumi akan menambah kebolehan memproses downstream bagi Lynas untuk memenuhi kehendak pelanggan, ianya tidak menggantikan fasiliti yang sedia ada.

“Lynas sekarang tidak mengasingkan nadir bumi berat iaitu SEG. Perkongsian ini dirancang untuk mengasingkan disprosium dan terbium dan beberapa nadir bumi berat yang berpotensi seperti SEG Lynas di fasiliti Texas,” katanya dalam kenyataan di sini hari ini.

Amanda berkata, Lynas melihat permintaan untuk disprosium dan terbium meningkat dan itu akan menambah nilai kepada perniagaan syarikat memproses nadir bumi itu.

“Perkongsian antara Lynas dan Blue Line ditahap MoU, jadi kedua-dua pihak akan memulakan penghalusan maklumat.

“Pihak pengurusan sentiasa menilai peluang untuk meningkatkan sumber dan mungkin untuk tugas pertama ialah mengasingkan SEG dari Lynas,” katanya.

LAMPIRAN 15  
NEW STRAITS TIMES (NATION): MUKA SURAT 9  
TARIKH: 21 MEI 2019 (SELASA)

'SERIOUS ACTION NEEDED'

# 'TACKLE HEAVY METAL POLLUTION ISSUE'

NGO wants Penang govt  
to investigate cause  
of contamination on  
northern coast of island

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**T**HE Penang government has been urged to take serious action over heavy metal pollution on the northern coast of the island.

Malaysian Nature Society Penang adviser D. Kanda Kumar said state Welfare, Caring Society and Environment Committee chairman Phee Boon Poh's claim that battery dumping was the likely cause of the pollution was evidence of the state government's blasé attitude over the issue.

"How can one say that it is battery dumping when batteries currently are mostly made of lithium. One can hardly get nickel- and cadmium-based batteries nowadays," he said.

"Does he know how many batteries are needed for a pollution of that magnitude?"

On Sunday, Phee told the *New Straits Times* that the illegal dumping of bat-

teries was a possible cause of the heavy metal pollution near Tanjung Tokong and Monkey Beach here.

It was reported that high levels of nickel, with concentrations of 944 per cent higher than normal, were found in the sea off Penang National Park.

Studies by Universiti Sains Malaysia's Centre for Marine and Coastal Studies (Cemacs) revealed that high levels of lead were also found (184 per cent above normal levels), while cadmium was 32 per cent higher than normal.

Cemacs director Professor Datuk Dr Aileen Tan had said the source of the pollution had not been determined, but since no industrial activity and development was allowed in Penang National Park, the only explanation for the contamination was that passing ships could be dumping something in the seas.

Kanda said the state government must conduct a study to determine the real cause of the pollution.

He suggested that the state government check on whether any river near industries dealing with nickel and cadmium were dredged recently.

Tanjung Bungah Residents Association chairperson Meena Raman said Phee's comments were "irresponsible" and there should be a proper investigation into the source of the pollution.

LAMPIRAN 16  
BERITA HARIAN (ISU): MUKA SURAT 9  
TARIKH: 21 MEI 2019 (SELASA)

# Lynas Corp pindah kemudahan proses nadir bumi ke Texas

➔ MoU dengan Blue Line Corp susulan isu kawal selia sisa buangan di Gebeng

▀ **Bengaluru**

**P**elombong nadir bumi, Lynas Corp memeterai memorandum persefahaman (MoU) bersama Blue Line Corp dari Texas untuk menubuhkan kemudahan pemisahan nadir bumi di Amerika Syarikat (AS).

Pemindahan Lynas ke AS itu adalah susulan daripada isu pengawalseliaan yang berterusan di kilang pemrosesannya di Malaysia. Malaysia sudah mengarahkan Lynas menghapuskan sisa terkumpul di kilangnya jika mahu lesennya diperbaharui.

Lynas dan Blue Line akan bekerjasama sepanjang tahun untuk membangunkan kemudahan pemrosesan itu di Texas.



**Kilang pemrosesan** nadir bumi Lynas di Kawasan Perindustrian Gebeng.

Usaha sama berkenaan secara majoritinya akan dimiliki oleh Lynas, kata syarikat itu dalam satu kenyataan bersama.

### **Kurangkan jurang bekalan kritikal**

Usaha sama itu akan membolehkan Lynas mengatasi jurang bekalan 'kritikal' untuk pengeluaran AS, kata syarikat itu.

Lynas sebelum ini membayangkan yang ia sedang mem-

pertimbangkan untuk membina kemudahan pemrosesan baharu, susulan situasi di Malaysia.

Lynas adalah satu-satunya pengeluar utama dunia galian nadir bumi di luar China.

Antara bahan yang dihasilkan oleh syarikat itu seperti neodimium-praseodymium yang digunakan dalam pelbagai aplikasi seperti komponen elektrik dan magnet berkuasa tinggi.

Syarikat itu tidak memberi

apa-apa butiran mengenai jumlah kos kemudahan di AS.

Lynas ketika ini ditawarkan pengambilalihan bernilai AS\$1.1 bilion daripada konglomerat runcit dan bahan kimia, Wesfarmers Ltd, yang ditolak kerana menawarkan nilai rendah untuk perniagaannya. Syarikat itu pada bulan lalu melaporkan peningkatan 33 peratus dalam pengeluaran nadir buminya pada suku ketiga.

**REUTERS**

## LAMPIRAN 17 THE STAR (POSTGRADUATE): MUKA SURAT 12 TARIKH: 21 MEI 2019 (SELASA)

### Secure a leadership role for Industry 4.0

THE Industrial Revolution 4.0, which refers to the current trend of automation and data exchange in manufacturing technologies, is driving progress and growth in various fields in Malaysia, including engineering and information technology.

Aware of the changes that will be brought by this technological trend, the International Trade and Industry Ministry put forward the Industry4WRD policy last year, with the goal of doubling the number of skilled workers from 18% to 35% by 2025.

In light of this, First City University College's (First City UC) Faculty of Engineering and Computing (FEC) has introduced two master's degree programmes to train students to take on managerial or leadership positions within engineering- and software-related workplaces. The Master of Software Engineering programme will start receiving students during the May intake while the Master of Engineering Management programme is scheduled to be launched in September.

These two programmes are in addition to the two other master's degree programmes already offered by First City UC, which are the Master of Business Administration and Master of Design Management.

Students will have the option of studying for their master's degree either full-time (one year) or part-time (two years).

"Our faculty plans to invite alumni to share their working experiences, which will provide postgraduate students with valuable insight into the challenges that come with holding leadership and managerial positions," says FEC dean Assoc Prof Dr Christine Lee.

She adds that some modules will incorporate aspects of the blended learning method, using a mix of online and face-to-face sessions.

#### Master of Software Engineering

This programme addresses the increasing importance of software development,



First City UC's campus is equipped with the latest facilities to better aid in learning.

especially when solving problems involving mobile, the web and robotics. Countries such as the United States, China and Japan have already implemented facilities and policies to encourage innovation in software development.

Students will be taught to identify technology trends, develop entrepreneurial skills and lead and manage software development. They will also acquire the necessary qualities to serve as an effective and versatile manager.

Graduates will be able to play an important role in fields such as technology leadership, which refers to the immediate application of the latest technology in one's workplace. This is in addition to other fields, including research and development management and technology entrepreneurship.

Graduates may consider career positions such as senior software development

engineer, senior system analyst, software project manager and technopreneur.

#### Master of Engineering Management

This programme caters to bachelor's degree graduates in engineering who are interested in management positions but seek to maintain their engineering foundation. Students attending this programme will be taught advanced engineering knowledge alongside business and management skills, including entrepreneurship, innovation and research management.

Students will develop the necessary soft skills required for leadership when undertaking projects.

Upon completing the programme, graduates can confidently apply for positions including automation engineer, construction

“ The Industrial Revolution 4.0, which refers to the current trend of automation and data exchange in manufacturing technologies, is driving progress and growth in various fields in Malaysia, including engineering and information technology. ”

project engineer and hardware engineering director. They can be assured that their engineering skills will be sought after in manufacturing, automotive, electronics, oil and gas, energy and biotechnology.

Graduates of First City UC's bachelor's degree programmes will enjoy a 15% alumni incentive should they choose to continue their postgraduate studies right away.

Situated in the modern township of Bandar Utama, First City UC is an eco-friendly urban campus equipped with state-of-the-art facilities. Postgraduate students will enjoy convenience and comfort as the Centre for Postgraduate Studies is exclusively designated for their use. The centre comprises modern lecture halls, classrooms, a lounge and spacious discussion areas.

First City UC has a proven track record of producing highly employable graduates. This success is owed to the university college's Malaysian Qualifications Agency accreditation and industry-relevant curricula.

■ For more information on the programmes, scholarships and incentives offered at First City UC, call 03-7727 3200 or visit [www.firstcity.edu.my](http://www.firstcity.edu.my). Students are welcome to visit the campus.

LAMPIRAN 18  
THE STAR (POSTGRADUATE): MUKA SURAT 10  
TARIKH: 21 MEI 2019 (SELASA)

THE trend of wearable technology in Malaysia is on the rise, but it doesn't stop at wrist-worn pedometers. The healthcare industry has combined forces with tech developers to offer advanced solutions to monitor patients and improve care. A large part of this has been incorporated into wearable devices such as fitness-tracking bands, smart watches, wearable patches and smart glasses like Google Glasses and Sony SmartEyeglass.

It is easy to believe that wearable technology is the invention of a tech geek for entertainment or as a neat gadget, but the reality of it is quite different. In this day and age, information is power, and the more facts a health practitioner has on an individual's health, the better his chance of improving the patient's quality of life.

Wearable monitoring devices such as Lief measures an individual's heart and breathing rate to track her stress level in real time by using a clinically proven biomarker of stress called the heart rate variability. Continuous collaborations between healthcare professionals, researchers and tech companies to develop such products pave the way for better health outcomes.

Below are some other examples of how collaborative research and development can improve healthcare delivery.

#### Painless, convenient and constant

Wearable patches are seen as a more viable method of 24-hour care instead of traditional monitors because of their ability to provide continuous monitoring rather than periodic readings. Instead of patients continuously staying hooked up to monitors that track their pulse, blood pressure, oxygen levels and other vitals, wearable technology may soon make that obsolete.

Another wearable product is a long-acting contraceptive patch designed by researchers at Georgia Institute of Technology. It contains a month's worth of birth control that a woman would be able to administer herself simply by pressing it onto her arm or leg – no visit to the doctor necessary. In addition

# Advancements in wearable technology



Though they seem like props in a science fiction movie, wearable health trackers are rather practical and could be instrumental in improving global well-being, especially for those in rural areas.

to being extremely convenient, this patch could be of great help to women in far-flung areas with low access to healthcare.

#### Instrumental and preventative

With the ability to capture health data through wearable technology, every

healthcare practitioner can, theoretically, properly manage each of their patients' health conditions. In cardiology, wearable devices are used to monitor not only heart rhythm, but also the blood pressure, breathing patterns and glucose levels of a patient.

Using this technology, the parents of a diabetic child who has yet to learn to properly communicate can be assured that they can constantly monitor their child's blood sugar level. This would be instrumental in preventing any unfortunate instances and can give the parents a sense of security and peace of mind.

In a recent study conducted by Harvard University and Malaysia Health System Research, it was revealed that from 2006 to 2015, diabetes rates in those aged 18 and older increased from 11.6% to 17.5%. It is also estimated that the number of diabetes patients will double from 3.5 million in 2015 to seven million people by 2025.

Wearable devices could be used to manage and maybe even prevent diabetes in the future.

Wearable technology such as the Fitbit and Galaxy Watch Active can be used to monitor vitals and manage overall health. For those looking to either keep an eye on their health or monitor their daily workouts, using technology such as this is one way to keep track of that information. Individuals can use apps to track their diets and monitor sleep and exercise.

The technological advancements above, however, would not exist without the contribution of researchers and health sciences specialists. For this reason, not only must the research community be given the support needed, the wider public as well as the Government must always be reminded that their contributions can determine the overall level of preventative care, treatment and diagnosis in the country.



LAMPIRAN 19  
THE STAR (ECOWATCH): MUKA SURAT 1  
TARIKH: 21 MEI 2019 (SELASA)





LAMPIRAN 19 (SAMB.)  
THE STAR (ECOWATCH): MUKA SURAT 2  
TARIKH: 21 MEI 2019 (SELASA)

Stories by SIM LEOI LEOI  
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# We've had it with waste

EVEN as the country gets called out by the international media as one of the "waste capitals" of the world – Malaysians are rising up against waste.

While the issue of imported plastic waste continues to hog local and international headlines, Malaysians have had to contend with our own waste – a reported 38,000 tonnes daily, enough to fill the KLCC Twin Towers every seven days. With landfill space shrinking, where do we put so much waste?

And then there's the issue of toxic waste being dumped into rivers and seas – such as what happened with the Sg Kim Kim toxic chemical scare in Johor – and the fact that some 15,000 tonnes of food go down the drain every day.

From green activists like Pua Lay Pheng, who raised the alert on illegal plastic waste in Jenjarom, to #trashtag and #trashchallenge trending on social media, and the Zero Waste movement taking root, Malaysians seem to have had it with waste.

Trash Hero KL co-founder Amy Popovich says when she first worked with the group in November 2017, only three to 15 people would show up for their clean-up sessions each week.

"In March this year, we had 130 people showing up for one session.

"Many Malaysians are also starting their own chapters in other states – Johor, Penang and Terengganu.

"We now have 1,300 members in our Trash Hero KL Facebook group. And we've collected over six tonnes of rubbish since we began," she says, adding that chapters in Kuala Lumpur, Putrajaya and Langkawi also have weekly clean-ups.

According to its website, the Trash Hero World Network links communities around the world but is mainly focused on working in South-East Asia – specifically in Indonesia, Malaysia, Myanmar, Singapore and Thailand.

Popovich, an international school teacher, says she first joined the group after she got tired of seeing rubbish strewn about by wild monkeys in her neighbourhood in Ampang, Selangor.

People write to the group with suggestions of clean-up locations.

"I will choose a location where I can easily dispose of the rubbish or where recycling is easily available," she says.

The clean-ups are carried out with members of other NGOs such as the Global Environment Centre, Karun Hijau and the Malaysian Eco-Brickers.

Carolyn Lau, cofounder of Sampah Menyampah, a market based on the concept of zero waste, says this movement has also taken root in Malaysia.

"We are the fastest growing com-

We're picking up trash, we're trying for zero waste, we're sharing food instead of throwing it away ... are Malaysians finally getting serious about dealing with the mountains of trash we generate?



Trash Hero KL volunteers with the waste they collected during one of their clean-ups. – Handout

munity in the region, based on the number of members in the zero waste Facebook group as well as the number of bulk food stores we have in Kuala Lumpur," she says.

A zero waste market is necessary, says Lau, if Malaysia is to promote the circular economy concept for products as well as to support the growing community in Malaysia.

"The community can't grow without products to aid the zero waste lifestyle and zero waste businesses need a growing community to support their products," she says.

"Soon, there will be (community) ripening in Kuantan and I think in Sabah too," she adds.

Lau, who is also starting a market for repurposed goods, says the group will be coming up with guidelines for anyone to adopt in organising and running such events and markets in the future.

Zero Waste Malaysia cofounder Khor Sue Yee says response to the movement has been very enthusiastic in the Klang Valley, adding that the Facebook group that was set up in 2016 now has about 23,000 members.

"With awareness and a strong community response, our voice can become louder and there will be demand from corporate players," she says, adding that it is possible for people to reduce between 50% and even up to 90% of the waste they generate.

"We are still consuming but we can definitely cut down on unnecessary trash such as food packaging and single use disposable products," says Khor, adding that the organisation is planning on a second Zero

Waste Fest this year on June 22 and 23.

The movement hosted zero waste lifestyle guru Bea Johnson during Malaysia's first Zero Waste Fest in 2017.

The Malaysian Agricultural Research and Development Institute's (MARDI) Advanced and Reproductive Technologies Programme deputy director Dr AINU Husna MS Suhaimi says when the agency first launched its MYSaveFood At Ramadan campaign in 2016, events were only held in three locations – this year, there are 15 locations nationwide.

"Under this programme, bazaar traders who cannot finish selling their food after maghrib prayers can offer us the food, which will then be re-distributed by volunteers to needy homes and charities.

"We can get up to 100kg of food from one bazaar alone," says Dr AINU, who is also head of the MYSaveFood secretariat.

MYSaveFood is part of the Save Food Campaign network, an initiative under the United Nations' Food and Agriculture Organisation.

Not many people are aware, says Dr AINU, of what actually goes into producing food like a plate of nasi lemak: "We are not just wasting food but resources like the ingredients as well as water and labour."

Over on Twitter, various Malaysians are trying to get their fellow countrymen excited about #trashtag and #trashchallenge.

Tweeting about the challenge, Semuanya BOLA, a Twitter page for Malaysian football, suggested that local fans pick up their trash after

the next football game.

The tweet received 674 retweets and 402 likes.

One person who is eager to see such challenges take off on social media is Housing and Local Government Minister Zuraida Kamaruddin.

"Activities such as the #trashchallenge over social media is a global initiative to increase the community's awareness of the need to keep their surroundings clean from waste," she says in a recent interview.

"The ministry believes that such an initiative can give rise to the community's care and responsibility towards the waste they generate," she says.

Zuraida, whose ministry oversees solid waste disposal, says it is also running a programme to help reduce waste in selected People's Housing Projects (PPR) around the country.

The Zero Waste Community Project – known as ZeComm – encourages residents to take solid and food waste to a one-stop centre to be recycled in exchange for goods.

"This project benefits the community through the exchange of daily essential goods like cooking oil and rice, which indirectly encourages the practice of recycling as well as reducing solid waste at landfills," she explains.

According to information on the ministry's website, ZeComm is up and running at five locations: Apartment 5R1 in Putrajaya, Rumah Pangsas Senawang in Negri Sembilan, PPR Tehel in Melaka, PPR

**Waste not our future**

This is the start of a series on waste in Malaysia and how we're dealing with it.

Watch the video [bit.ly/starimport](http://bit.ly/starimport) **Star TV**

Melana Indah in Johor, and PPR Kota Baru in Kelantan.

Zuraida says the recycling rate across the country has gone up by 3.6% from 21% in 2017 to 24.6% last year, as validated by the National Committee on Recycling.

But with a year to go before 2020, this is still below the 30% recycling rate that the government hopes to achieve by then via its Reduce, Reuse and Recycle policy.

The Star had previously reported Zuraida as saying that last year, four solid waste disposal sites in Kedah, Kelantan, Negri Sembilan and Terengganu ceased operations following the end of their lifespans.

Another 150 such sites nationwide are still operating, with 74 of them expected to reach the end of their lifespans by 2020.

It looks like ordinary Malaysians are taking up the challenge to stop littering and to recycle, reuse and even reduce their waste not a moment too soon.



# LAMPIRAN 19 (SAMB.) THE STAR (ECOWATCH): MUKA SURAT 3 TARIKH: 21 MEI 2019 (SELASA)

## No plastic bags at this market

THE Sampah Menyampah & Friends' Earth Weekend Market in April is probably one of the few shopping events that encourages its visitors to bring along their own bags.

This is the second year that the Sampah Menyampah market – aimed at building an environmentally aware Malaysia by practising the 5Rs (Refuse, Reduce, Reuse, Repurpose and Recycle) – is being held.

The market, held at The School in Jaya One in Petaling Jaya, saw participation from 33 vendors and five NGOs. Some 8,000 people were estimated to have visited the two-day market.

Besides vendors, green groups that made an appearance included Trash Hero Malaysia, Tak Nak Straw and the Tzu Chi Foundation (a charitable body that has a recycling arm).

In addition to hawking items like handmade sanitary cloth pads, reusable steel straws and dried butternut squash in lieu of shower scrubs, vendors "sold" various concepts of zero waste that encourages the reuse of products, especially plastics.

The goal is for no trash to be sent to landfills or incinerators.

One such concept is BYOB, Bring Your Own Bottle, a social enterprise founded by Clytia Wong. The idea is to bring your own bottles to fill up with floor detergent, dish wash, bleach and even sanitiser, paying only for the liquid and not the packaging.

Wong says public response to the concept was very bad in the first few years. "At that time, customers had just begun learning about recycling and there was no such concept as zero waste."

"We had seven outlets then but now, we were only left with one in Kajang and the other in Damansara Kim (in the Klang Valley)."

"However, lately, the response has picked up. People now understand that recycling does not solve the problem of plastics and more customers have come to understand the zero waste concept," she says.

Wong says this could also be due to recent media reports and pictures of plastic waste piling up in illegal recycling factories in coastal towns in Malaysia.

Plastic, insists Wong, is a good invention but the public should learn to re-use existing plastic they have instead of recycling it.

Citing detergent – a big seller for BYOB – as an example, she points out that every household uses a lot of the liquid to clean. "With this concept, we can cut down a lot on plastic use. We should be buying the content, not the packaging," she emphasises.

Wong's range of products sell from RM3.20 per kilo for non-scented softener to RM18 per kilo for organic vegetable wash.



Visitors thronging the Sampah Menyampah & Friends' Earth Weekend Market last month. — Photos: SIM LEOI/LEOI/The Star



Wong is giving consumers the option of buying household cleaners without the additional cost for packaging.



Cheong (right) busy selling cloth pads to a customer.

"We provide both an organic and non-organic range. Actually, most of our clients are businesses that cannot afford the more expensive organic range," she says.

Cheong Wey Jin, who is a co-founder of In Between Cultura that sells handmade natural and organic cloth pads, says she and two of her friends started the business in 2015 after quitting their jobs in a publishing house.

"We have always been interested in gender and social issues. We

started thinking about a campaign and we got a friend from Taiwan to teach us how to make the cloth pads.

"We actually started by conducting workshops on how to make cloth pads and only made and sold our own after people asked us to," she says.

One of the benefits of using cloth pads as opposed to disposable sanitary napkins, says Cheong, is the lighter impact on the environment. "Just like diapers, a disposable

napkin can take up to 400 to 500 years to biodegrade. Such an impact is harmful considering that half of the world's population are women.

"At the same time, incinerating the disposable napkins produces dioxin," she says.

Cheong says they had always felt that wearing disposable napkins was one way of "period shaming" women.

"We were often told from young not to tell others that we are hav-

ing our period. That's why many of us end up using disposable napkins," she explains.

Cheong warns that while disposable pads are more convenient – less frequent changes and less odour – many chemicals go into the making of these items.

Her cloth pads, which are available for various uses such as panty liners or leak-proofing, also comes in different lengths.

The cloth pads are sold for between RM22 and RM65 each, with the pricing largely dependent on the price of organic cotton imported from Britain or the United States.

"Handmade is expensive as the cost covers the sewing but also, Malaysia does not produce organic cotton so we need to import," she explains.

"Our cloth pads can last about five years, though. Some customers told me they have used cloth pads for up to 10 years," she says, adding that although these pads are more expensive than disposable napkins, they are more viable in the long-term.

Cheong notes that the Malay community tends to be more receptive to using cloth pads as they have a tradition of using them from before while Chinese women find it harder to accept their use.

Another booth at the market was EARTH (E-Waste Recycling Through Heroes), a Cyberjaya-based social enterprise that collects and pays for e-waste.

"We hire freelance 'heroes' – usually freelance drivers or riders – to collect e-waste from people's homes," says founder Mohamed Tarek El-Fatraty.

"Once we have collected a big amount, we send it to a licensed recovery facility where it is processed properly. We get paid two-thirds of the metal value."

ERTH pays at least 50% of the e-waste revenue to both the e-waste owner and hero.

"The higher the reward paid to the public, the higher the country's recycling rate (for e-waste)," says Mohamed Tarek, who is from Finland.

He says at present, many licensed recovery plants have difficulty in collecting e-waste, especially from households.

Sampah Menyampah founder Carolyn Lau says some 8,000 people were estimated to have attended the market.

"We think that the response was lovely – positive – and that everyone had a good time connecting, making new friends, reconnecting with old."

"The school children who attended and the young people had the most inspired time," she says.

Watch the video [bit.ly/star\\_zero](http://bit.ly/star_zero)





LAMPIRAN 20  
THE STAR (NEWS): MUKA SURAT 1  
TARIKH: 21 MEI 2019 (SELASA)

# Rivers of sediment

Orang asli villagers living near Bukit Lagong Forest Reserve in Gombak are suffering as their main source of drinking water has been compromised by activities from nearby quarries. >2&3



**Undrinkable:** Juwariah Kendong showing a sample of the brownish water collected from the taps at her home in the orang asli village at the foot of Bukit Lagong Forest Reserve in Selangor. Villagers complain the drinking water supply is oily and dirty after a downpour. — AZMAN GHANI/The Star

LAMPIRAN 20 (SAMB.)  
THE STAR (NEWS): MUKA SURAT 2  
TARIKH: 21 MEI 2019 (SELASA)

# 'Slimy and oily water' flowing into pipes

Orang asli villagers worry about deteriorating quality of drinking water

By FARID WAHAB  
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THE villagers of Kampung Orang Asli Sungai Buloh dread whenever it rains.

Since last month, the village, which relies on the rivers that flow from the nearby hills for drinking water, has been receiving murky water filled with sediments from their pipes after a downpour.

The village houses 230 people and 64 families and is located at the foot of Bukit Lagong Forest Reserve.

Orang Asli Village Administration Committee (MPPKO) of Sungai Buloh chairman Hanim Apeng said seven quarries had been operating near the forest reserve since the early 1990s. Hanim claimed an eighth quarry was approved for operation early this year.

"We rely on the water from the streams in the hills for drinking. Now our drinking water looks like Milo each time it rains. We are worried that the activities of the quarries in the surrounding area might have something to do with the murky waters coming out of our taps," she said, adding that the village also relies on clean water supplied by the Orang Asli Development Department (Jakoa). A team of four villagers from the village who were despatched to the rivers reported that sediments were visible in two rivers, namely Sungai Kelebar and Sungai Tolong.

Villager Norlizan Amlil who headed the team said they also visited the sites of the quarrying activity.

"They found that trees in the area have been cut down, most likely to begin drilling works.

Norlizan said the quarry operators would normally clear trees to create a path to bring in machineries before drilling work can be carried out.

"They can drill down as deep as 30m before they locate sufficient reserve of rocks to be quarried," he said.

Norlizan said the water supplied



Hanim (left), Shariffa (right) and other Peka representatives having a discussion about the poor water quality the orang asli folk have had to endure. — Photos: AZMAN GHANI/The Star

to his home now feels slimy and oily. "When the roots of trees are pruned, the tree sap will be dislodged by rainwater into the nearby water catchment area which is the river. The sap will then flow into our pipes and that is why our water feels slimy," he added.

According to Norlizan, water from the rivers is collected in a small dam about 10 sq ft before being diverted to the homes in the village.

Following up on the deteriorating quality of the water, Hanim said she contacted the Peninsular Forestry Department who then referred her to the Selangor Forestry Department.

She was informed that the quarries had received approval from the state government to operate at the site.

Pertubuhan Pelindung Khazanah Alam (Peka) president Puan Sri Shariffa Sabrina Syed Akil, who visited the village recently, advised Hanim to write an official complaint to Selangor Menteri Besar Amirudin Shari and relevant government departments, adding that she was perplexed that quar-

ries are allowed to operate within the confines of a forest reserve.

"Selangor is expected to experience a critical water issue. It's crucial that we protect the cleanliness of our rivers to ensure we that we have adequate water supply," she said.

"We are not against development but it must be sustainable and sensitive to the environment," she added.

Hanim said an officer from the forestry department came to visit the village on May 15 to inform them that a stop-work order has been issued.

It is not clear though which among the eight quarries had been issued the order.

A representative from one of the local quarries, who was also present during the visit, offered to install water filters inside the dam.

It is learnt that representatives from the company had planned to visit the village to check out the water tank accompanied by a few villagers.

However, Hanim said she was later informed that the plan was called off due to unforeseen circumstances.



Hanim also expressed her concerns about the blasting sound which could be heard reverberating through the village during weekdays, especially in the evening.

"I heard three blast sounds coming from the quarrying sites in the hills. Our houses shook and we could feel a minor tremor in the floors and walls," she added.

StarMetro visited one of the quarries and spoke with a person who declined to be identified.

"Approval from the district police after recommendation from the Mineral and Geoscience Department is required once every month before we can carry out blasting work. We are only allowed to carry out blasting a



The Jakoa signboard located near the entrance of the orang asli settlement in Sungai Buloh.



Two water tanks which are used by the orang asli villagers to store water from the streams nearby.

LAMPIRAN 20 (SAMB.)  
 THE STAR (NEWS): MUKA SURAT 3  
 TARIKH: 21 MEI 2019 (SELASA)



Left: Trees being cleared to make way to transport machinery to begin quarrying.  
 Right: Sediment is visible at one of the rivers which supplies water to the orang asli village.

maximum of three times a day, from noon to 4pm from Monday to Thursday," he said.  
 "We must obtain a permit before we are allowed to transport explosive substances for our work at the site," he added.  
 Central Selangor District Forest officer Tengku Mohd Ridzuan Tengku Ibrahim, when contacted, said the matter was brought to their attention by the villagers and is being investigated.  
 He said a meeting was held on May 14 with the villagers to find an amicable solution to the issue.  
 "We are waiting for reports from the Forestry Department and other relevant government departments and agencies before we


decide on the next course of action," he said.  
 Hanim expressed hope that the surrounding land housing the orang asli village can be gazetted as a green lung soon.  
 She said the proposal had been forwarded to Jakoa but they have not received any reply.  
 "I have spoken to a representative from the Selangor Forestry Department regarding this matter before. I was informed that we need to replace the land that would be gazetted to us with another piece of land," she said.  
 "I don't see why we have to do that. This is our land since the time of our ancestors. We only want what is rightfully ours," she added.




Hanim is also concerned about the blasting sounds from the nearby quarry.




A villager showing the polluted water collected inside a small tank in front of his house.



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LAMPIRAN 21  
NEW STRAITS TIMES (WORLD / BUSINESS): MUKA SURAT 53  
TARIKH: 21 MEI 2019 (SELASA)

RARE EARTHS FACILITY

# LYNAS PLANS TO SET UP TEXAS PLANT

Firm and partner Blue Line aim to tap US demand for raw materials critical to country's electronics and energy industry

KUALA LUMPUR

**R**ARE earths producer Lynas Corp says it has signed a memorandum of understanding with Texas-based Blue Line Corp to set up a rare earths separation facility in the United States.

The move comes as the US, which is highly-reliant on the world's biggest producer China for rare earths, is prioritising sourcing of its own minerals used in everything from consumer electronics to military equipment.

Lynas and Blue Line will co-

operate over the next year to develop the processing facility in Texas. The venture would be majority owned by Lynas, said the companies in a joint statement.

The deal has been struck as Lynas faces regulatory issues at its processing plant in Malaysia and fend off a US\$1.1 billion (RM4.5 billion) takeover offer from Australian retail-to-chemicals conglomerate Wesfarmers Ltd.

Chief executive officer Amanda Lacaze, in a phone interview, said the US venture was a specific market opportunity and would complement its operations

in Malaysia.

The venture would allow Lynas to close a "critical" supply chain gap for US manufacturers.

"It's an important reflection of the fact that countries all around the world are keen to have rare earths processing capabilities," said Lacaze.

"Electric vehicle manufacturers are looking for security of supply of the heavy rare earths as well as on the light rare earths and this provides the opportunity," she said.

Lynas is the world's only major producer of rare earth minerals

outside China.

The materials produced by the company, such as neodymium-praseodymium, are used in a variety of applications such as electrical components and high-power magnets.

The companies did not give any details on the cost of the proposed US facility.

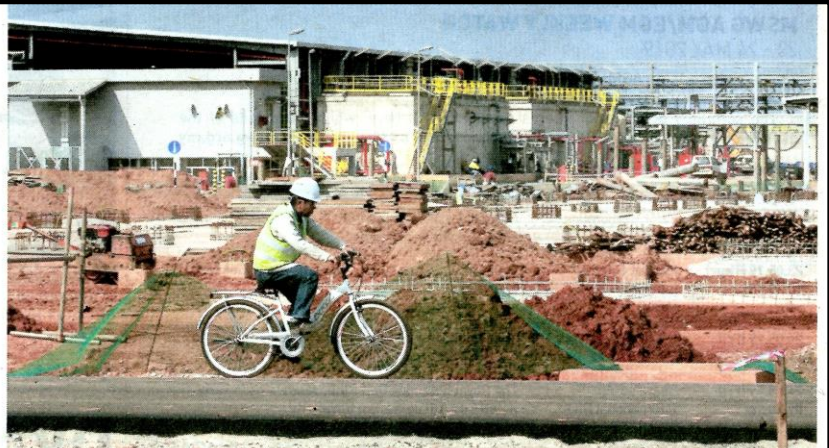
Lacaze said the company was "absolutely committed" to Malaysia, where it has been required to remove years of accumulated waste at its plant in order to have its license renewed.

She was confident Lynas could

meet a framework outlined by Prime Minister Tun Dr Mahathir Mohamad, who said in April that Lynas or any other company will need to clean raw materials coming to Malaysia in order to operate in the country.

Lynas has said it is considering initial ore processing near its Australian mine, given the situation in Malaysia.

The company last month reported a 33 per cent rise in third-quarter production of rare earth oxides and has rejected the Wesfarmers bid as undervaluing its business. **Reuters**



Lynas Corp is teaming up with Texas-based Blue Line Corp to set up a rare earths separation facility in the United States to complement its operations in Malaysia. **BLOOMBERG PIC**