

LAMPIRAN 1
THE STAR (NATION) : MUKA SURAT 14
TARIKH : 17 MEI 2018 (KHAMIS)

MPs want new PSC to probe Lynas

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KUANTAN: Two Pakatan Harapan MPs involved in the anti-Lynas movement will push for the setting up of a new parliamentary select committee (PSC) to reopen investigations into the Lynas rare earth refinery here.

Kuantan MP Fuziah Salleh said the parameters of the new PSC's review of the Lynas Advanced Material Plant (LAMP) would have to be redefined, claiming that the previous definition of safety had been skewed towards the narrative that supported Lynas.

"It had always been about radiation before this while waste management was never mentioned.

"They were completely silent on that," she said here yesterday.

Fuziah added that the previous PSC also did not include the views from opposition MPs.

She said a new committee should be formed to seek opinions from experts and civil society groups.

Bentong MP Wong Tack claimed the previous PSC's purpose was just to legitimise Lynas' operations.

"The new PSC will take into consideration the views of stakeholders. We have to be proper and transparent this time," he said.

Fuziah said the new PSC could only be set up once Parliament reconvenes.

In the meantime, other options are to initiate a caucus or a ministerial committee once the related

minister is appointed, she added.

In 2012, the PSC concluded in its report that Lynas should be awarded a temporary operating licence (TOL) after finding that it met the stipulated requirements.

Fuziah also said the Pakatan government could not simply freeze operations at Lynas or shut it down immediately as regulations have to be followed.

"We can only ask to declassify whatever documents we have not seen before this. There are procedures we have to follow," she added.

Wong said the Government should not go to the extreme when dealing with the matter.

He also said the views of experts would be sought in their review of Lynas' operations and licensing.



Controversial plant: While the MPs claim that a review of Lynas' safety issues is necessary, they also note that the Government cannot just shut down the plant, as regulations must be followed.

Teliti semula isu kilang Lynas

Harap diberi perhatian oleh kerajaan baharu

ERMA YUSNIDA JUSOH

KUANTAN

Kerajaan diminta meneliti semula isu kilang Lynas dengan mewujudkan jawatankuasa khas untuk mengkaji aspek berkaitan syarat perlesenan dan operasi kilang tersebut.

Pengerusi Save Malaysia Stop Lynas, Tan Boon Teet berkata, pihaknya berharap dalam tempoh 100 hari, kerajaan dapat memberi fokus terhadap isu Lynas.

Menurutnya, banyak isu yang masih belum selesai termasuk di mana sisa buangan dibuang selain tidak pernah mengadakan dialog bersama penduduk Kuantan.

"Lynas sebelum ini tidak pernah berdialog dengan



BOON TEET

warga Kuantan untuk menjelaskan mengenai operasi kilang mereka.

"JusteAu, selepas kerajaan baru dibentuk, saya amat mengharapkan isu ini diberi perhatian kerana ia melibatkan soal keselamatan awam dan alam sekitar," katanya kepada sidang media di Pusat Khidmat Dun Semambu, semalam.

Hadirsama, Ahli Parlimen Bentong, Wong Tuck dan Ahli Parlimen Kuantan, Fuziah Salleh.

Sementara itu, Wong



Wong Tuck bersama Fuziah dan wakil NGO pada sidang media, semalam.

Tuck berkata, pihaknya tetap komited memperjuangkan isu Lynas terutama selepas kerajaan baru dibentuk.

Beliau berkata, mesej yang ingin disampaikan adalah jelas iaitu mahu operasi Lynas mengikut prosedur.

"Kita tidak tahu sejauh mana selamatnya kilang Lynas dan tidak berkompromi terhadap sebarang isu keselamatan awam dan alam

sekitar.

"Usaha secara komprehensif akan dilakukan untuk memastikan kilang itu mematuhi prosedur dari pelbagai aspek," katanya.

Wong Tuck menegaskan, pihaknya akan pastikan rakyat dan persekitaran dilindungi daripada sebarang pencemaran ekoran operan di kilang itu.

Dalam pada itu, Fuziah

menawarkan diri untuk menjadi orang tengah antara Lynas dengan penduduk, NGO dan kerajaan untuk berbincang isu tersebut.

Katanya, perkara yang timbul perlu dijelaskan dengan telus.

"Cukuplah Lynas mendapat perlindungan daripada kerajaan sebelum ini.

"Saya percaya, kerajaan pimpinan Perdana Menteri,

info Isu Lynas termasuk dalam manifesto Pakatan Harapan pada PRU14 lalu

Tun Dr Mahathir Mohamad tidak akan membiarkan projek mega seperti Lynas diteruskan jika memberi kesan kepada rakyat dan alam sekitar," katanya.

Dalam manifesto Pakatan Harapan pada PRU14 lalu, turut meletakkan projek kontroversi seperti Lynas perlu dikaji semula.

Isu Lynas bermula sejak 2009 apabila mendapat bantahan ramai terhadap pembinaan kilang pemrosesan logam tanah jarang milik Lynas Corporation di kawasan perindustrian Gebeng.

Sila layari **sinarharian.com.my**

LAMPIRAN 3
UTUSAN MALAYSIA (UTUSAN BIZ) : MUKA SURAT 14
TARIKH : 17 MEI 2018 (KHAMIS)

MaGIC, SEAM, Petrosains kerjasama pacu sektor IDE

Oleh **AKMYR SYAHAR AZWAR**
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KUALA LUMPUR 16 Mei - Pusat Inovasi dan Kreativiti Global Malaysia (MaGIC) menandatangani memorandum persefahaman (MoU) dengan Social Enterprise Academy Malaysia (SEAM) dan Petrosains Sdn. Bhd. (Petrosains).

Ketua Pegawai Eksekutif MaGIC, Ashran Ghazi berkata, perjanjian tersebut diadakan bagi ketiga-tiga entiti itu untuk bersama menyokong dan memupuk sektor Perniagaan Berpanduan Impak (IDE).

"Sebagai pendorong sektor berpanduan impak, MaGIC telah mengadakan pelbagai inisiatif bagi menyokong aspirasi nasional termasuk program utama Impact Driven Enterprise Accreditation (IDEA).

"Kami berbangga dapat menyaksikan usaha selama ini mula membuahkan hasil yang bermak-



na kerana terdapat lebih banyak IDE tempatan yang diiktiraf pada hari ini berbanding dahulu.



ASHRAN GHAZI

"Setiap satu daripada IDE ini menjana impak dalam komuniti secara aktif, malah bekerjasama dengan lebih efektif bersama sektor awam dan swasta," katanya dalam kenyataan di sini hari ini.

MoU itu ditandatangani oleh Ashran mewakili MaGIC bersama Ketua Pegawai Eksekutif Petrosains, Tengku Nasariah Tengku Syed Ibrahim dan Pengarah Urusan SEAM, Sam Baumber.

Ashran memberitahu, kerjasama dengan Petrosains akan mencipta lebih nilai dalam IDE dan perniagaan sosial (SE) dari sudut

Sains, Teknologi, Kejuruteraan dan Matematik (STEM).

Sementara itu katanya, kerjasama dengan SEAM pula akan menyediakan kandungan pembelajaran dan pembangunan berkualiti yang didasarkan kepada usahawan sosial tempatan dan rantau ini.

"Walaupun berbangga dengan kemajuan yang dicapai, banyak lagi yang perlu dilakukan. Inilah sebab kami gembira mengemukakan kerjasama untuk menghubungkan IDE dengan peluang dalam pasaran ini.

"Kami berharap usaha ini akan meningkatkan kesedaran bagaimana sektor swasta dapat bekerjasama dengan sektor IDE untuk mencipta peluang, iaitu sesuatu yang penting bagi IDE untuk memperluaskan impak.

"Ini merupakan antara teras kepada usaha MaGIC untuk memacu perubahan yang menyeluruh, selain membangunkan sektor IDE yang mampan, saksama dan berpaksikan rakyat," jelas Ashran.

LAMPIRAN 4
THE STAR (VIEWS) : MUKA SURAT 30
TARIKH : 17 MEI 2018 (KHAMIS)

STEM education and meritocracy vital for progress

THE article "Nurturing interest in STEM" (*The Star*, May 16) deserves close attention from our new government, which must fine-tune and reform our education system to focus strongly on Science, Technology, Engineering and Mathematics (STEM) courses.

STEM education is the critical foundation for building a skilled and innovative society. Achieving our desire to join the league of high-income nations depends critically on a rapid structural transfor-

mation of our economy. Our education system must be reformed to support skill-intensive and innovation-led growth. This will help to overcome our current low level of human capital which also suffers from a wide technology skills gap.

Research shows that strong STEM education and skills help students to integrate knowledge across subjects and encourage them to think in a more logical and holistic way. Educators have also found that STEM courses make

learning more relevant and interesting as they are based on current and real-world situations. Hence, STEM, and strong computing and technology focus, must be given urgent priority in our education system so that our workforce can develop to be competent digital citizens and future innovators.

Improving proficiency in English is also required. Meritocracy must also be restored in universities and work placements to enhance inclusiveness and encourage the opti-

mal development of high-level skills.

Our current education system is not effectively delivering the required expertise and also failing to retain talent. We can ill afford to allow the brain drain to continue as it erodes our skills base and depresses innovation, elements that are critical to maximising our nation's progress and development.

SZE LOONG STEVE NGEOW
Kajang

Making science interesting

THE advent of the technological age has bred a new generation of kids whose interest in science seems to be diminishing. This generation grew up with gadgets in their hands all the time and have a very short attention span.

The challenge to make science interesting for the next generation is one uphill battle that requires coherent thinking.

Assoc Prof Dr Emily Goh is under no illusion as to the challenges she faces as Monash University Malaysia Head of School.

For many students, science may seem like a web of tangled intricacies, as the depth of the subject means you barely scratch the surface with a few learning sessions.

"Interest in science needs to be instilled at a very young age. We need to nurture our children with a love for science and that is the change I would like bring about as Head of School," said Assoc Prof Goh.

"The rapid advances in science and technology will greatly impact the lives of our children. There are many science workshops we run every year, such as 'Cracking the code of life' where students learn to design a simple DNA extraction kit and fat extraction workshop, which provides students a hands-on experience on extraction of oil from potato chips and subsequently, compare the amount and physical properties of oil in various brands of potato chips.

"We have also collaborated with BASF Malaysia to organise the



Science is a way of life and the BSc is a degree that offers endless possibilities to its graduates.

annual BASF Kids Lab, where kids aged six to 12 perform simple chemistry experiments to apply their chemistry knowledge to daily life."

Changes in teaching and the dissemination of information have also been necessitated by the disruptive world we live in. Didactic methods where teaching is governed by teachers and students listen can seem a little out of place

with the current generation.

"Students have the opportunity to learn outside the classroom, as they go on field trips to places such as Pulau Perhentian, Mulu National Park, Taman Negara and factories," Assoc Prof Goh elaborated.

Monash is cognisant of the various different methods that are being bandied around by those across the academic circles, from using applications like WhatsApp

to social media tools like Facebook, where e-mails were once the order of the day. The revolutionary active learning approach embedded in its courses aims to empower students.

It moves them to a more proactive setting with students themselves in the driving seat.

"In an active learning setting, students are required to come prepared. They will need to study prior to the lesson and then discuss

theory, concepts or applications in the classroom with the lecturer imparting knowledge in an interactive learning environment," explained Assoc Prof Goh.

"This approach is to encourage independent learning among the students."

The School of Science emphasises on industry engagement. Students in the Bachelor of Medical Bioscience and Bachelor of Food Science and Technology programmes will need to complete a compulsory internship programme.

In this internship programme, students will apply their knowledge and gain relevant work experience in companies relevant to the food industry, hospitals, diagnostic laboratories or research laboratories.

As the youngest Head of School, Assoc Prof Goh espouses the importance of creating more opportunities for younger staff to be mentored by their senior colleagues.

"This is important as it will help enhance both their teaching, research and engagement profiles.

"I have had the advantage of seeing the inside out of the school and getting to know each individual staff. All these experiences have allowed me to view problems from different angles and that is my strength," she added.

■ For more details on courses available at the School of Science, Monash University Malaysia, visit www.sci.monash.edu.my

LAMPIRAN 6
THE STAR (EDUCATION GUIDE) : MUKA SURAT 4
TARIKH : 17 MEI 2018 (KHAMIS)

Getting ready for the future revolution

INDUSTRY 4.0 is a term for the present development of mechanisation and data exchange in engineering technologies. We have come a long way from the 17th century to the 19th century encompassing three phases of Industrial Revolution.

During the industrial revolution, manufacturing was done manually with hand tools and basic machinery along with farming and other rural activities.

However, it has now transformed to a modernised industry. The increase in mechanisation has brought about an increase in the standard of living by making life easier through technological improvements.

Basic insights on the four phases of Industrial Revolution:

The first phase, Industrial Revolution 1.0 (IR 1.0) involved the conversion to new manufacturing processes, whereby steam engines and machinery were developed.

Industrial Revolution 2.0 (IR 2.0), known as the Technological Revolution was a time of mass production, with large-scale production of cars, railroads, iron and steel.

Then came the third phase, Industrial Revolution 3.0 (IR 3.0), where the widespread use of machinery in manufacturing and increased use of steam power in IR 2.0 initiated the development of electrification.

At this fourth phase, Industrial Revolution (IR 4.0), we now have access to a range of

new technologies that support automation and link the physical, digital and natural domains, which can have significant impact on economy and industry.

This fourth phase is marked by the advent of Internet of Things (IoT) and Artificial Intelligence (AI), where computers and automation come together in an entirely new way. IoT is the system that connects physical devices to the Internet, collecting and sharing data.

The development of new industry models, which contribute to new ways of interaction in this world, include products such as computerised vehicles (driverless cars), autonomous aerial vehicles (drones), 3D printing and smart robotics.

This creation not only improves the effectiveness in organisations but also helps reinforce the natural environment through new models management, creating a sustainable future for all.

Skilful, efficient and determined engineers and software developers are required to form these rapidly developing technologies.

First City University College trains its engineering and computing students to a highly capable level, preparing them for their future employment in reputable organisations and supports them to explore their talents and skills in the engineering and computing fields offered in its Faculty of Engineering and Computing.



Engineering student Nicholas Teng with his final year project – a ladder climbing robot prototype.

It is not just providing high-quality education, but is also helping shape the students through engagement with industry experts to showcase their abilities and innovative engineering and computing projects in its annual Innovation Day.

First City UC offers various engineering and computing programmes in the field of electronic engineering, mechanical engineering, mechatronics, software engineering, computer science (intelligent systems), information systems (business management), information technology, mobile computing, and networking and security under the Faculty of Engineering and Computing.

These programmes will equip graduating students with the relevant skills and

knowledge to successfully secure a job in the IR 4.0 era.

Quality education at First City UC

First City UC provides value for money education, financial incentives and assistance in the form of scholarships and attractive discounts. Various types of scholarships are offered, such as Teo Soo Cheng Foundation, Merit Scholarship, Sports Scholarship, UEC Scholarship, Student Leader and Top Office Bearer Scholarship and Sibling Incentive.

■ For details, contact 03-7727 3200, e-mail enquiry@firstcity.edu.my or visit www.firstcity.edu.my

LAMPIRAN 7
UTUSAN MALAYSIA (LUAR NEGARA) : MUKA SURAT 12
TARIKH : 17 MEI 2018 (KHAMIS)

Asteroid sebesar padang bola menuju bumi, Selasa

TAMPA 16 Mei - Sebuah asteroid bersaiz sebuah padang bola sepat dijangka menuju ke arah bumi pada Selasa ini, namun pada jarak yang selamat.

Agensi Pentadbiran Angkasa Lepas dan Aeronautik (NASA) memaklumkan, asteroid berkenaan ditemukan pada 2010, namun pakar astronomi hanya dapat memastikan asteroid itu tidak akan berlanggar dengan bumi, baru-baru ini.

Sebaliknya asteroid yang dikenali sebagai Asteroid 2010 WC9 itu akan bergerak di antara bumi dan bulan.

Menurut NASA, asteroid berkenaan akan menghampiri bumi pada pukul 6.04 pagi waktu Malaysia manakala kawasan yang paling hampir dengan laluan itu ialah di kawasan pantai Antartika.

"Semasa menghampiri bumi, asteroid berkenaan akan berada pada jarak 193,000 kilometer dari bumi," ujarinya.

Mereka yang mempunyai teleskop berukuran 20 sentimeter boleh menyaksikan pergerakan asteroid itu dan kawasan paling strategik untuk melihatnya ialah di Cape Town, Afrika Selatan.

Asteroid itu dipercayai beruku-

ran antara 60 meter sehingga 120 meter panjang manakala kelajuan pergerakannya ialah kira-kira 12.9 kilometer sesaat.

NASA memaklumkan, laluan asteroid seumpama itu adalah yang paling hampir dengan bumi dalam tempoh sekurang-kurangnya dua abad.

Pada 17 Oktober tahun depan, asteroid berkenaan akan melintasi bumi pada jarak 43 juta kilometer.

Lebih 10,000 asteroid beredar berhampiran bumi, namun pergerakannya sering dipantau oleh saintis untuk memastikan potensi berlakunya perlanggaran. - AFP

**ASTEROID 2010
WC9 dijangka
menuju ke arah
bumi pada Selasa
ini. - AGENSI**

