

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

Bil	Berita	Media	Capaian Berita Penuh
1.	<u>Lynas boss says plant workers face less radiation than frequent flyers/ 'Lynas plant workers face less radiation than frequent flyers'</u> Last month, the Energy, Science, Technology, Environment and Climate Change Ministry announced a committee to review Lynas's operations.	Malay Mail	Rujuk lampiran 1 atau klik pada tajuk berita
2.	<u>A bright outlook for 'Malaysia: A New Dawn'</u> Other speakers include Lim, Bank Negara Malaysia governor Datuk Nor Shamsiah Mohd Yunus, Communications and Multimedia minister Gobind Singh Deo, International Trade and Industry minister Ignatius Darell Leiking, Energy, Technology and Science minister Yeo Bee Yin and Khazanah Nasional Bhd managing director Datuk Shahril Ridza Ridzuan.	The Sun Daily	Klik pada tajuk berita
3.	<u>Sabah to gear towards renewable energy to safeguard habitats, preserve livelihoods</u> Before this, Energy, Science, Technology, Environment and Climate Change Minister Yeo Bee Yin was quoted as saying that Malaysia has set a target of 20 per cent of the country's electricity to be generated from renewable sources by 2030, an increase from two per cent currently.	The Star	Klik pada tajuk berita
4.	<u>Don't have one law for us and one for others, says Lynas</u> She added that these regulations were professionally applied by government agencies, particularly the Department of Environment and the Atomic Energy Agency.	Free Malaysia Today	Klik pada tajuk berita
5.	<u>Operasi Lynas: Kerajaan PH mesra alam sekitar – Fuziah</u> Bulan lepas, dilaporkan bahawa Menteri Tenaga, Teknologi, Sains, Perubahan Iklim dan Alam	Astro Awani	Klik pada tajuk berita

	Sekitar Yeo Bee Yin berkata Fuziah dan Anggota Parlimen Bentong, Wong Tack akan mengetuai jawatankuasa itu, yang akan meneliti operasi pemprosesan nadir bumi Lynas.		
6.	Singapore agrees high-speed rail link delay The two neighbours have agreed to share technology to cut plastic and packaging waste, Malaysian environment minister Yeo Bee Yin told the Malaysia-Singapore Joint Committee on the Environment.	Asean Economist	Klik pada tajuk berita
7.	Lynas operations: PH Govt is environment-friendly Last month, it was reported that Energy, Technology, Science, Climate Change and Environment Minister Yeo Bee Yin had said Fuziah and Bentong MP Wong Tack would head the committee which would look into the Lynas rare-earth processing operations.	The Edge Market	Klik pada tajuk berita
8.	Operasi Lynas: Kerajaan HARAPAN mesra alam sekitar – Fuziah Bulan lepas, dilaporkan bahawa Menteri Tenaga, Teknologi, Sains, Perubahan Iklim dan Alam Sekitar Yeo Bee Yin berkata Fuziah dan Anggota Parlimen Bentong, Wong Tack akan mengetuai jawatankuasa itu, yang akan meneliti operasi pemprosesan nadir bumi Lynas.	Malaysia Kini	Klik pada tajuk berita
9.	Malaysia to investigate Australian rare earth miner Lynas Asked if a negative review of the plant could lead to the government asking Lynas to shut down the facility, Ms Fuziah said: "It is up to the minister," referring to Yeo Bee Yin, minister of energy, who set up the new committee.	Financial Times	Klik pada tajuk berita
10.	Ti questions Fuziah's ability to be objective in heading committee reviewing Lynas operations It was reported that Energy, Technology, Science, Climate Change and Environment Minister Yeo Bee Yin had said Fuziah and Bentong MP Wong Tack would head the	New Straits Times	Klik pada tajuk berita

	committee which would look into the Lynas rare-earth processing operations.		
11.	<u>Degree level studies for TVET diploma holders</u> This follows the exchange of 21 memoranda of understanding (MoUs) between Malaysia Board of Technologists (MBOT) with the Technology Expert Panel (TEP), a strategic alliance between three sectors, namely government agencies, industry and the academia, under the purview of the Human Resource Ministry, Energy, Technology, Science, Climate Change and Environment Ministry, and Education Ministry, in Putrajaya last week.	New Straits Times	Rujuk lampiran 2
12.	<u>Four more appointed to National Education Advisory Council</u> He said the four new council members appointed were technical and vocational education and training (TVET) specialist Datuk Boonler Somchit; Malaysian Education Association secretary-general P. Ramanathan; Member of University Senate, Universiti Teknologi Malaysia Prof Omar Yaakob and Ministry of Energy, Science, Technology, Environment and Climate Change (Science, Technology and Innovation Sector) deputy secretary-general, Prof Madya Ramzah Dambul.	Malay Mail	Klik pada tajuk berita
13.	<u>4 more appointed to National Education Advisory Council</u> He said the four new council members appointed were technical and vocational education and training specialist Boonler Somchit; Malaysian Education Association secretary-general P Ramanathan; member of university senate, Universiti Teknologi Malaysia Omar Yaakob; and energy, science, technology, environment and climate change ministry (science, technology and innovation sector) deputy secretary-general Ramzah Dambul.	Free Malaysia Today	Klik pada tajuk berita
14.	<u>4 lagi ahli MPPK dilantik</u> Menterinya Dr Maszlee Malik berkata, empat anggota baru berkenaan termasuk Ketua	Berita Harian	Klik pada tajuk berita

	Pegawai Eksekutif Pusat Pembangunan Kemahiran Pulau Pinang (PSDC), Datuk Boonler Somchit; Setiausaha Agung Persatuan Pendidikan Malaysia, P Ramanathan; Ahli Senat Universiti Teknologi Malaysia (UTM), Prof Dr Omar Yaakob dan Timbalan Ketua Setiausaha Sektor Sains, Teknologi dan Inovasi, Kementerian Tenaga, Sains, Teknologi Alam Sekitar dan Perubahan Iklim, Prof Madya Dr Ramzah Dambul.		
15.	<u>Angin kencang ribut petir hingga Nov.</u> Ketua Pengarah Jabatan Meteorologi, Alui Bahari berkata, dalam tempoh tersebut, kawasan serantau negara menerima tiupan angina dari pelbagai hala dengan kelajuan yang lemah.	Utusan Malaysia	Rujuk lampiran 3
16.	<u>Harvesting solar energy on water</u> Our next appearance will be at Igem 2018 at Kuala Lumpur Convention Centre from Oct 17 to 20",Irwan shared.	New Straits Times	Rujuk lampiran 4
17.	<u>Klang still reeling from its worst storm</u> According to Malaysian Meteorological Department (MetMalaysia) director-general Alui Bahari the storm was due to active weather convection.	The Star	Rujuk lampiran 5 atau klik pada tajuk berita
18.	<u>MDV makes RM200m payment for second fund</u> Malaysia Debt Venture Bhd (MDV), a wholly owned subsidiary of the Finance Ministry, made a RM200 million payment of its RM1.5 billion government-guaranteed sukuk programme on September 26.	New Straits Times	Rujuk lampiran 6
19.	<u>MDV bayar RM200 juta Dana Kedua</u> Malaysia Debt Venture Berhad (MDV), anak syarikat milik penuh Menteri Kewangan Diperbadankan membayar RM200 juta daripada RM1.5 bilion Program Sukuk Jaminan Kerajaan (Dana Kedua).	Utusan Malaysia	Rujuk lampiran 7

20.	<u>MDV makes RM200m payment for government guaranteed sukuk programme</u> Malaysia Debt Venture Bhd (MDV), a wholly owned subsidiary of the Minister of Finance Inc. had on Sept 26, 2018 made payment of RM200 million of its RM1.5 billion government guaranteed sukuk programme.	The Sun Daily	Klik pada tajuk berita
21.	<u>MDV repays RM200m of RM1.5b sukuk</u> Malaysia Debt Venture Bhd (MDV), a wholly-owned subsidiary of the Minister of Finance Inc, had on Sept 26, 2018 made a RM200 million payment of its RM1.5 billion government-guaranteed sukuk programme, its second fund.	The Edge Market	Klik pada tajuk berita
22.	<u>MoF unit Malaysia Debt Venture repays RM200m of RM1.5b govt sukuk</u> Malaysia Debt Venture Bhd (MDV), a unit of the Minister of Finance Inc. has repaid RM200mil of its RM1.5bil government guaranteed sukuk programme.	The Star	Klik pada tajuk berita

TEMPATAN

Bil	Berita	Media	Capaian Berita Penuh
23.	<u>An open letter to the government and people of Malaysia</u> As the only miner and producer of rare earth products outside China, Lynas Malaysia is an important supplier to many industries including the automotive, electronics, oil and gas, and renewable energy	The Star	Klik pada tajuk berita
24.	<u>Ratusan kenderaan terperangkap air naik 1m</u> Banjir kilat itu menyebabkan kesesakan lebih 15 kilometer dilaporkan berlaku dikedua-dua arah laluan berkenaan susulan banjir kilat setinggi hampir satu meter itu.	Berita Harian	Rujuk lampiran 8

25.	<u>Semai budaya hargai alam sekitar</u> Jelas Hafizan, berdasarkan statistic yang dikeluarkan oleh Jabatan Alam Sekitar pada tahun 2016, sebanyak 43 sungai atau Sembilan peratus daripadanya mengalami pencemaran terutamanya di kawasan bandar.	Kosmo	Rujuk lampiran 9
26.	<u>Inovasi hijau galakkan aktiviti berkebun</u> Guru pasukan inovasi sekolah itu, Puan Artina Ariff, berkata produk berkenaan dapat membantu orang ramai yang gemar berkebun tetapi berdepan kekangan masa, terutama untuk menyiram dan menjaga tanaman diusahakan.	Berita Harian	Rujuk lampiran 10
27.	<u>Kerajaan sasar bantu maju 30 PKS sektor aeroangkasa</u> Kerajaan menyasarkan untuk membangunkan 30 syarikat pembuatan perusahaan kecil dan sederhana (PKS) baharu dalam sektor aeroangkasa menjelang 2020, selain 20 syarikat yang ada sekarang.	Berita Harian	Rujuk lampiran 11
29.	<u>Malaysia berpotensi jadi hab industri aeroangkasa</u> Katanya, peluang serta permintaan bagi sektor itu sentiasa berkembang, oleh itu kementerian perlu mempunyai perancangan dalam memperluaskannya.	Berita Harian	Rujuk lampiran 12
30.	<u>Lynas hopes for fair, transparent review</u> Fuziah, who is also the Lynas executive review committee chairman, said the Radioactive Waste Management Plan would be the centre of the review "since the radioactive waste is a very pertinent issue to be deliberated by the committee from the perspective of sustainability and sustainable development".	The Star	Rujuk lampiran 13 atau klik pada tajuk berita
31.	<u>Panel set up to resolve environmental issues in Camerons</u> A joint action committee has been set up between the Federal and Pahang governments to resolve the various environmental issues affecting the popular tourist spot.	The Star	Rujuk lampiran 14 atau klik pada tajuk berita

32.	<u>Mega First wins suit against Sabah Electricity, RM28.79m final award</u> Mega First Corp Bhd has won a lawsuit against Sabah Electricity Sdn Bhd with the final award amounting to RM28.79 million.	The Sun	Rujuk lampiran 15 atau klik pada tajuk berita
33.	<u>Sabah Electricity directed to pay compensation to Mega First</u> Furthermore, the Arbitral Tribunal order also included interest on the shortfall in energy payment and capacity payment for the period between Nov 15, 2007 to Nov 30, 2016 and calculated up to May 31, 2018 a total of RM9.13mil as well the claimant's representation costs fixed at RM420,000.	The Star	Rujuk lampiran 16 atau klik pada tajuk berita
34.	<u>Malaysia aims to develop 30 new aerospace manufacturing SMEs</u> The government targets to develop 30 new manufacturing small and medium enterprise (SME) players in the aerospace sector by 2020, in addition to the current 20 companies.	The Star	Rujuk lampiran 17
35.	<u>CEO: Technology will not take over human jobs</u> He said technology, in line with industrial revolution 4.0 (IR 4.0), would upscale the work force to cater to future demand.	The Star	Rujuk lampiran 18

ANTARABANGSA

Bil	Berita	Media	Capaian Berita Penuh
36.	<u>Panel discussion to explore role of science and tech in sustainable living</u> Talking about how we were a sustainable society 25 years ago, she says, "Things have changed, consumption patterns have changed, and we have somewhere lost that natural ability to live along the environment."	Indian Express	Klik pada tajuk berita

37.	<u>Achieving complete renewable energy reliance</u> The biggest achievement of the CVF leaders was to lobby for and succeed in including the long-term goal of limiting temperature rise to 1.5 degrees in the Paris Agreement on Climate Change in 2015 at the 21st Conference of Parties (COP21) of the UNFCCC.	The Daily Star	Klik pada tajuk berita
38.	<u>Ikea says goodbye to plastic straws with display at London's Design Museum</u> Ikea today symbolically unveiled its last single-use plastic straw in a display at London's Design Museum, after it stopped serving or selling the items in any of its UK and Ireland stores, restaurants and bistros this week.	The Guardian	Klik pada tajuk berita
39.	<u>The new normal? How climate change is making droughts worse</u> "Whether it is climate change or it is not," Morrison said, "is completely irrelevant to everybody here."	The Guardian	Klik pada tajuk berita
40.	<u>Energy And Data: The Duo Defining Our Global Future</u> The very fabric of economic life today is inextricably linked to data. But if you look closer, these game-changing technologies that we believe define our global future all rely either directly or indirectly on an even more basic element: energy.	Forbes	Klik pada tajuk berita

LAMPIRAN 1
MALAY MAIL (TOP NEWS): MUKA SURAT 10
TARIKH: 3 OKTOBER 2018 (RABU)

'Lynas plant workers face less radiation than frequent flyers'

By Anith Adilah
anith@mmail.com.my

KUALA LUMPUR — Rare earths refiner Lynas Malaysia Sdn Bhd said its workers were exposed to lower cumulative radiation than airline pilots and crew over the course of a year.

Chief executive officer Amanda Lacaze said this claim illustrated the "very low level" of radiation contained in by-products produced during processing, contrary to public perception.

"A pilot or a flight crew is more exposed to radiation a year compared to our staff. People say that all radioactivity level is the same but it is not," Lacaze told a press conference at a hotel here yesterday.

"The radioactive content in our residue is less than a variety of other sources."

She said the by-product from processing has comparable radioactivity as the black sands from the beaches in Langkawi, Kedah.

Asked if there was any case of severe radiation exposure in the six years Lynas has been operating its Kuantan facility, Lacaze said no and added that safety remained Lynas's priority.

"If I'm not mistaken, over the years, we have about 176 babies who were born to our staff and I can assure you they are all beautiful and healthy," she said.

"Our residue storage is in line with permanent deposit safety facility standards. We ensure that the storage unit is lined and equipped with drainage so that anything would not seep into the surrounding environment. There is also a heavy lining on top to contain the radioactive," she said.



Lacaze says more than 650 workers will be affected should the Lynas plant in Kuantan be shut down. — Picture by Mukhriz Hazim

The federal government is conducting a review of the Lynas plant in Kuantan, led by Deputy Minister in the Prime Minister's Department Fuziah Salleh.

Fuziah is the MP for Kuantan and was

a vocal opponent of the Lynas plant from before it was built, prompting concerns of possible bias.

Lacaze said more than 650 employees would be affected if the plant was

shuttered, adding that 97 per cent were Malaysians.

"If we were to close down, actually thousands will lose their jobs. I'm talking about direct and indirect employees and businesses which are dependant of our staff for revenues," she said.

Lacaze also stressed that Lynas was committed to continuing operations in the Gebeng area of Kuantan.

She urged the government to be objective in its review, alleging that there was indications of partiality now.

She said Lynas was prepared to fully cooperate with the review, but expressed concern of possible prejudice based on the tone of reports surrounding the undertaking.

"Lynas also wants the process to be fully transparent and fair," she said.

"We would like to stay. It's a stable environment and we have a terrific workforce here."

Last month, the Energy, Science, Technology, Environment and Climate Change Ministry announced a committee to review Lynas's operations.

However, Lacaze said Lynas had yet to receive formal notification of this.

Before its construction, activists and environmentalists fought to prevent Lynas from building its Advanced Material Plant (LAMP) rare-earth processing facility over fears of a possible repeat of the Asian Rare Earths disaster in Bukit Merah, Perak, from the 1980s.

Rare earths is a term used to describe 18 metals that are vital for many industrial and hi-tech processes such as the production of smartphones, hybrid car batteries, wind turbines, steel and low-energy light bulbs.

LAMPIRAN 2
NEW STRAITS TIMES (HIGHER ED): MUKA SURAT 34
TARIKH: 3 OKTOBER 2018 (RABU)

Degree level studies for TVET diploma holders



Deputy Energy, Technology, Science, Climate Change and Environment Minister Isnaraissah Munirah Majilis (fifth from left) with Malaysia Board of Technologists (MBOT) president Tan Sri Ahmad Zaidee Laidin (fourth from left) and Deputy Human Resources Minister Datuk Mahfuz Omar in a group picture to commemorate the signing of the memorandum of understanding between MBOT and the Technology Expert Panel in Putrajaya. PIC BY AHMAD IRHAM MOHD NOOR

TECHNICAL and Vocational Education and Training (TVET) diploma holders will soon have the opportunity to study at the bachelor's degree level in four universities under the Malaysian Technical University Network (MTUN), creating better career opportunities for their future.

This follows the exchange of 21 memoranda of understanding (MoUs) between the Malaysia Board of Technologists (MBOT) with the Technology Expert Panel (TEP), a strategic alliance between three sectors, namely government agencies, industry and the academia, under the purview of the Human Resource Ministry, Energy, Technology, Science, Climate Change and Environment Ministry, and Education Ministry, in Putrajaya last week.

Deputy Human Resources Minister Datuk Mahfuz Omar said the initiative will look at existing gaps that TVET graduates face in

terms of qualifications to enable them to further their studies at Universiti Tun Hussein Onn Malaysia, Universiti Teknikal Malaysia Melaka, Universiti Malaysia Pahang and Universiti Malaysia Perlis.



Datuk Mahfuz Omar

"What seems to be the problem for most TVET diploma holders is that they don't have the necessary Sijil Pelajaran Malaysia credits required by MTUN for entry. We hope to prepare students at TVET colleges with the necessary requirements before they apply to enter MTUN universities," he said.

However, Mahfuz said, even if TVET diploma holders did not further their studies at universities, they will have the advantage of being recognised as professional technologists and certified technicians.

"We must explore collaborations with international bodies so that our TVET graduates will not only have certificates from Malaysia but also be internationally certi-

fied. That way, they can either work abroad or gain better positions when foreign investors come to Malaysia through recognition accorded," he added.

MBOT, the professional body that gives professional recognition to technologists and technicians in related technology and technical fields, has already embarked on the articulation process to enable TVET diploma holders to bridge the gap towards the bachelor's degree level education, said its president, Tan Sri Ahmad Zaidee Laidin.

"The process entails matching the courses, requirements and coursework at vocational colleges with that at higher education institutions. This will ensure that courses the students complete will not have to be repeated at the institution to which they are transferring," said Zaidee.

He said MBOT has signed an MoU with Education Ministry's Malaysian Qualifications Agency to facilitate the process for the MTUN initiative.

"On the private higher education side, UniKL is already working with MBOT to

facilitate entry of technologists and technicians into their degree courses," he said.

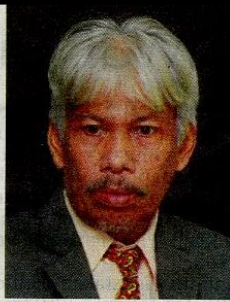
Mahfuz said in supporting the country's aspiration towards Industrial Revolution 4.0, MBOT is seen as a dynamic and flexible professional body and most relevant platform to leverage expertise and skills from various areas of technology under its wings.

"This advanced technological elements are pervasively embedded into the TVET curricular right up to the technological practicing provision, to add value to the various booming industrial sectors in Malaysia," he said.

At the MoU exchange, among the TEP panel members that were represented were CyberSecurity Malaysia, DRB-Hicom University of Automotive Malaysia, Allied Aeronautics Training Centre Sdn Bhd, Mara Corporation, the Chartered Institute of Logistics and Transport and Federation of Malaysian Skills Development Centres.

Also present was Deputy Energy, Technology, Science, Climate Change and Environment Minister Isnaraissah Munirah Majilis.

LAMPIRAN 3
UTUSAN MALAYSIA: MUKA SURAT 30
TARIKH: 3 OKTOBER 2018 (RABU)



ALUI BAHARI

**Angin
kencang,
ribut petir
hingga Nov.**

KUALA LUMPUR 2 Okt. - Ribut petir dan angin kencang yang berlaku ketika ini disebabkan fasa peralihan monsun sejak 28 September lalu sehingga awal November ini.

Ketua Pengarah Jabatan Meteorologi, Alui Bahari berkata, dalam tempoh tersebut, kawasan serantau negara menerima tiupan angin dari pelbagai hala dengan kelajuan yang lemah.

"Corak angin seperti ini adalah sesuai untuk pembentukan awan ribut petir. Semasa tempoh peralihan monsun, kejadian hujan lebat dan ribut petir dalam jangka masa yang singkat serta angin kencang lebih kerap berlaku terutamanya pada waktu petang dan awal malam di kebanyakan kawasan negeri di pantai barat dan pedalaman Semenanjung, pantai barat Sabah serta kawasan barat dan tengah Sarawak.

"Kami turut menasihatkan orang ramai agar lebih berwaspada dan sentiasa mendapatkan maklumat cuaca terkini ketika tempoh peralihan monsun ini," katanya ketika dihubungi *Utusan Malaysia* di sini, hari ini.

Jelas Alui, ribut yang berlaku di Klang, Selangor pada petang kelmarin adalah disebabkan oleh fenomena ribut petir kuat yang terhasil daripada proses perolakan aktif.

"Ribut di Klang kelmarin adalah kejadian tempatan dan tiada kaitan dengan bencana di Jepun dan Indonesia," katanya.

LAMPIRAN 4

NEW STRAITS TIMES (HIGHER ED): MUKA SURAT 55

TARIKH: 3 OKTOBER 2018 (RABU)

ROZANA SANI
rsani@nst.com.my

It was during a renewable energy course that Universiti Tenaga Nasional (Uniten) Bachelor of Mechanical Engineering student, Irwan Nizam Ismail, learned some intriguing facts about electricity generation in Malaysia.

"From the Malaysia Energy Statistics Handbook 2017, which was published by the Energy Commission Malaysia, the lecturer cited that the 43.5 per cent of electricity in Malaysia was generated by gas, 42.5 per cent by coal and less than 0.3 per cent. I found this fact staggering," he said.

Irwan discussed the matter with course-mate Muhammad Nur Adha Arimi in their robotics class, upon which the latter suggested designing an automated solar PV (photovoltaic) system.

As they walked home after class, the two friends passed by the Unites lake and the idea of the automated solar PV system on water came across. This idea, they felt, would be the best solution to the inefficiency of the current solar PV system and the land scarcity issue in Malaysia.

"We did some research and found there is an abundant amount of water areas in the country, and most of these spaces are not being fully utilised. There are more than 50 lakes in Selangor alone, and 90 per cent of these lakes are under-utilised. Therefore, we thought that it would be a great idea to fully exploit the unused area of water and create a floating platform that is automated so that solar energy can be efficiently harvested."

"We want to improve the green technology in Malaysia and eventually increase the percentage of the solar power generation in the Malaysia energy mix. Since then we have actively developed the smart and sensitive solar floating platform called Senslar," said Irwan.

Senslar, coined from a combination of two words: solar and sensitive, recently clinched the top prize at the national level James Dyson Award 2018 competition.

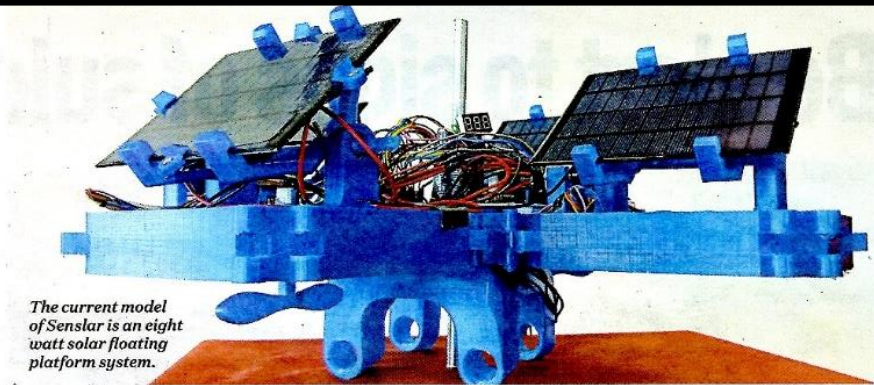
The James Dyson Award runs in 27 countries. The contest is open to university level students (and recent graduates) studying product design, industrial design and engineering. The award encourages ideas that challenge convention, lean engineering - less is more, and design with the environment in mind.

Senslar is a floating platform system that is sensitive to sunlight and can smartly move according to the sun's position. Irwan, together with his teammates, Adha, Muhammad Haikal Aznan, Muhammad Aidil Aizad Kamarulsahar, Ahmad Zulfadli Dzulkifli, Muhammad Faris Mohamad Rosle and team adviser Dr Hassan Mohamed, believe that Senslar can have a valuable impact on the renewable energy industry in Malaysia and globally as this will promote the use of solar panels on underutilised surface areas of lakes, dam reservoirs and oceans.

The group first worked on Senslar to join a mini design competition held in Unites. The prototype, which was a single and small unit of a floating solar platform (5cm by 5cm) got the group the second place.

Then they improved the design by adding innovative features to the original prototype and challenged themselves to compete at the International Invention, Innovation and Technology Exhibition (IITE).

"Four months before the event, we generated many conceptual designs, optimised the programming code for the tracking system and added features such as the tilting motion, modular function, 'brain' module, electrical ring connector and the anchoring pole for the



The current model of Senslar is an eight watt solar floating platform system.

Harvesting solar energy on water

vertical motion.

"We also tested the efficiency of the improved automated design with 8 Watt solar cells, and it was proven that this concept can harvest about 60 to 80 per cent more energy than a static module."

"During the proof-of-concept model development process, we spent roughly around RM1,200 (including materials, manpower, fabrication and manufacturing cost). The cost seems inexpensive since we always thought about the design manufacturability and cost-effectiveness throughout the development process. Alhamdulillah, we won a silver medal in ITEX 2018," said Irwan.

Since then, the group has built a small model of four Senslar platforms with each platform housing a two-watt solar cell, totalling to an eight-watt Senslar system. This small system can basically power up an LED light or a clock. It can also be used to charge a power bank to a full level for more than 40 hours with direct sunlight depending on the power bank capacity.

Installing the system on water not only overcomes the issue of limited space, but the water also plays the role of a cooling agent for the solar PV, reducing maintenance costs incurred by conventional PV systems.

"But, bear in mind that Senslar is not designed for small applications. We foresee Senslar replacing old, inefficient, stationary, solar floating farms in Malaysia. One of the examples is the solar floating farm on Sungai Labu, Selangor, which has about 432 panels (108kWp) that theoretically can provide electricity for 20 houses annually. With Senslar, the energy harvesting efficiency can be improved to more than 40 per cent and the number of houses that receive the electricity can be potentially doubled," said Irwan.

The team has tested the proof-of-concept model, and it was proven that system works very well as the model can optimally tilt and rotate while effectively harvest direct sunlight, increasing the efficiency of solar energy harvesting to more than 40 per cent based on their lab test.

"We are very grateful and thankful to James Dyson Award UK and Dyson Malaysia for be-



We want to improve the green technology in Malaysia and eventually increase the percentage of the solar power generation in the Malaysia energy mix.

IRWAN NIZAM ISMAIL
Mechanical engineering graduate from Unites

lieving in our project. With the prize money of E2,000 (RM11,000) received from the award, we will build full sized Senslar platforms (larger than 2m by 2m size installed with commercial 250-watts solar panels). The development process, including designing, manufacturing, testing and commissioning, will be completed before the end of the year so that it can be first installed on the UNITEN's lake," Irwan said, who has recently graduated.

He said the team has a big dream supported with a structured plan for Senslar.

"We have started a company called Senslar Tech. We are actively looking for partners or investors through competitions and meetings to support this project. Our next appearance will be at iGEM2018 at Kuala Lumpur Convention Centre from Oct 17 to 20," Irwan shared.

With the initial prize money from the James Dyson award, the team will complete the construction and testing of the first large prototype by the end of 2018.

"Starting next year, we will be installing and rigorously testing a few Senslar units on various targeted lakes. In five years, we plan to install Senslar on several lakes in Malaysia, especially in Selangor, Putrajaya and Cyberjaya. In the next 10 years, we aim to be one of the leading power supply companies in Malaysia by having our solar panels installed in Peninsular Malaysia."



(From left) Hassan Mohamed, Muhammad Nur Adha Arimi, Irwan Nizam Ismail, Muhammad Aidil Aizad Kamarulsahar and Muhammad Haikal Aznan with the current model of Senslar.

LAMPIRAN 5
THE STAR (NATION): MUKA SURAT 4
TARIKH: 3 OKTOBER 2018 (RABU)

Klang still reeling from its worst storm

By **WANI MUTHIAH**
wani@thestar.com.my

KLANG: The storm that ravaged parts of Klang on Monday was one of the worst to have hit the coastal town in recent times.

Residents were shocked and most were unprepared for the devastation, such as uprooted trees as well as destruction to property and vehicles caused by the storm.

D. Siva, who manages a restaurant in Jalan Tengku Kelana, said he couldn't remember seeing such strong winds and heavy rainfall in Klang.

"The thunderstorm was literally howling and several pieces of our

awning and roofing were either ripped off or blown away by the strong winds," said Siva adding Jalan Tengku Kelana was fraught with chaos during the incident.

Strangely, not the whole of Klang was battered by the storm with areas nearer to Port Klang merely experiencing heavy rains.

According to **Malaysian Meteorological Department** (MetMalaysia) director-general Alui Bahari the storm was due to active weather convection.

"Our country is in the inter-monsoon period from Sept 28 until early November. And during this period the country will receive mild winds from all directions," he said adding

these winds are the ones that create thunderstorms.

Alui said short periods of heavy rains and thunderstorms, coupled with strong winds, would commonly occur in the evenings and early part of the night during inter-monsoon.

The rainfall and thunderstorm generally hits the west coast and interior of the peninsula as well as the west coast of Sabah and west and central Sarawak, he added.

Selangor Disaster Management Unit head Ahmad Fairuz Mohd Yusof said the unusually big storm could also be due to global climate change.

He added more than three thun-

derstorm warnings are being issued on a daily basis by his department.

"We have winds coming from many directions and there are cloud formations all over South-East Asia.

Meanwhile, Alui cautioned everyone to be aware of weather changes by getting the latest information and alerts from the department's myCuaca app, its social media pages as well as its website.

He advised the public to avoid open spaces, trees, electric poles, floodwaters and unstable structures during a thunderstorm.

"Take shelter inside sturdy buildings during these thunderstorms," he added.

LAMPIRAN 6
NEW STRAITS TIMES (NEWS): MUKA SURAT 23
TARIKH: 3 OKTOBER 2018 (RABU)

RM1.5b GOVERNMENT GUARANTEED SUKUK

MDV makes RM200m payment for second fund

KUALA LUMPUR: Malaysia Debt Venture Bhd (MDV), a wholly-owned subsidiary of the Finance Ministry, made a RM200 million payment of its RM1.5 billion government-guaranteed sukuk programme on September 26.

In a statement yesterday, MDV said its second fund had been fully drawn down and it had successfully made timely payments on all commitments due to date. The full payment is scheduled for 2023.

"The current RM200 million payment marked the third scheduled payment with a cumulative payment value of RM900 million. In August last year, MDV set-up its third fund of RM1 billion government-guaranteed sukuk programme, of which RM230 million has been issued to date," it said.

Since its inception in 2002, MDV has raised RM1.6 billion for its first fund from the Japanese Bank for International Coopera-

tion via a government-to-government programme and successfully repaid all its commitments in 2015. Of the RM3.1 billion available from the first two funds, it disbursed RM11.5 billion in financing to more than 800 com-

panies.

"The third fund will enable the company to continue financing companies that fall under its technology mandate, particularly in newly-emerging sectors.

"This reflects our ongoing commitment to ensure that

we are able to serve the financing demands from companies with bankable technology projects and continue to support our existing customers and their growth aspirations."

MDV said it had serviced all past funding commitments on a timely basis and remained confident of continued timely payment of its funding obligations in accordance with the respective maturity of its sukuk. **Bernama**

 *The current RM200 million payment marked the third scheduled payment with a cumulative payment value of RM900 million.*

LAMPIRAN 7
UTUSAN MALAYSIA (BISNES): MUKA SURAT 46
TARIKH: 3 OKTOBER 2018 (RABU)



**MDV bayar
RM200 juta
Dana Kedua**

Oleh MUHD.
SHAHIZAM TAZALI
ekonomi@utusan.com.my

KUALA LUMPUR 2 Okt.

- Malaysia Debt Venture Berhad (MDV), anak syarikat milik penuh Menteri Kewangan Diperbadankan membayar RM200 juta daripada RM1.5 bilion Program Sukuk Jaminan Kerajaan (Dana Kedua).

MDV dalam kenyataannya berkata, sejak penubuhannya pada 2002 MDV telah meningkatkan Dana Pertama sebanyak RM1.6 bilion daripada Bank Jepun untuk kerjasama antarabangsa melalui program kerajaan dengan kerajaan (G2G) dan membayar kesemua komitmennya pada 2015.

Menurutnya, pembayaran itu merupakan yang ketiga dibuat dengan jumlah terkumpul bernilai RM900 juta.

"Setakat ini syarikat telah berjaya membayar pinjaman dalam tempoh yang ditetapkan. Pembayaran penuh Dana Kedua dijangka selesai menjelang 2023.

"Pada Ogos tahun lalu MDV telah menubuhkan Dana Ketiga RM1 bilion Program Sukuk Jaminan Kerajaan yang mana setakat ini sebanyak RM230 juta telah diterbitkan," katanya di sini hari ini.

Tambah MDV, pihaknya telah menggunakan RM11.5 bilion untuk membiayai lebih daripada 800 syarikat.

Jelasnya, Dana Ketiga membolehkan MDV meneruskan pembiayaan kepada syarikat-syarikat yang berada di bawah mandat teknologi terutama sektor baharu muncul.

Katanya lagi, ia juga mencerminkan komitmen berterusan MDV dalam memastikan peranannya mampu memenuhi permintaan pembiayaan daripada syarikat teknologi, menyokong pelanggan dalam pelaksanaan projek bersama dengan aspirasi pertumbuhan mereka.

"Dana Ketiga akan memacu negara ke arah ekonomi berpengetahuan dan menyediakan bantuan pembiayaan yang berpatutan kepada sektor yang kurang diberi perhatian.

LAMPIRAN 8
BERITA HARIAN (BANJIR): MUKA SURAT 55
TARIKH: 3 OKTOBER 2018 (RABU)



Kedudukan kenderaan yang terperangkap akibat banjir kilat berhampiran Bandar Puteri Puchong, petang semalam.

Ratusan kenderaan terperangkap air naik 1m

➔ Banjir kilat punca kesesakan luar biasa sepanjang 15km di dua laluan LDP

Oleh Nor Azizah Mokhtar
cnews@nstp.com.my

■ Kuala Lumpur

Ratusan kenderaan terperangkap dalam kesesakan luar biasa susulan banjir kilat yang berlaku di Kilometer (KM) 23.4 ke KM24 arah selatan ke Bandar Puteri Puchong, Lebuhraya Damansara-Puchong (LDP) di sini, akibat hujan yang terlalu lebat, petang semalam.

Banjir kilat itu menyebabkan kesesakan lebih 15 kilometer dilaporkan berlaku di kedua-dua arah laluan berkenaan susulan banjir kilat setinggi hampir satu meter itu.

Lingkar Trans Kota Holdings Berhad (LITRAK) dalam satu kenyataan yang disiarkan di laman Facebooknya, semalam, memaklumkan banjir kilat itu mula di kesan sekitar jam 5.05 petang susulan hujan lebat bermula jam 4.30 petang.

"Siasatan awal kami menda-

pati kejadian banjir kilat itu disebabkan hujan yang terlalu lebat dengan taburan hujan mencecah 108.5 milimeter (mm).

"Kita mengambil langkah segera dengan mengarahkan Pasukan Kecemasan (ERT) ke lokasi untuk membantu pengguna yang memerlukan bantuan," kata kenyataan itu.

Banjir surut jam 5.50 petang

Katanya, banjir kilat dilaporkan mulai surut pada jam 5.50 petang apabila dua lorong di lebuh raya berkenaan sudah boleh dilalui sebelum banjir dilaporkan surut sepenuhnya pada jam 6.07 petang dan semua lorong boleh digunakan.

Sementara itu, Jabatan Bomba dan Penyelamat Selangor menerima laporan banjir kilat di tiga lokasi sekitar Puchong iaitu di Bandar Puteri Puchong, Jalan Puchong Besar berhampiran Puchong Commercial Centre dan Jalan Intan 2/8, Taman Puchong Intan.

Menurut jurucakapnya, pihaknya menghantar jentera dan anggota ke lokasi terjejas untuk memantau keadaan dan membantu pengguna jalan raya yang terperangkap dalam banjir kilat di tiga lokasi berkenaan.

Sementara itu, dalam kejadian berasingan, sebatang pokok tumbang dan sebahagian dahannya menghempap se-



[FOTO IHSAN BOMBA]

Anggota bomba membantu menolak kenderaan yang terperangkap dalam banjir kilat di Bandar Puteri Puchong, petang semalam.



Siasatan awal kami mendapati kejadian banjir kilat itu disebabkan hujan yang terlalu lebat dengan taburan hujan mencecah 108.5 mm"

Kenyataan LITRAK

buah kereta buggy yang dinaiki oleh pemandu dan seorang pemain golf kira-kira jam 7.30 malam di Padang Golf TPC, Bukit Kiara.

Mangsa cedera ringan

Anggota bomba dari Balai Bomba dan Penyelamat Taman Tun Dr Ismail dikejarkan ke tempat kejadian untuk memotong dahan yang menimpa kereta dan mengeluarkan mangsa.

Bagaimanapun, kedua-dua mangsa dilaporkan hanya mengalami kecederaan ringan dan dihantar ke hospital untuk rawatan selanjutnya.

LAMPIRAN 9
KOSMO (VARIA): MUKA SURAT 27
TARIKH: 3 OKTOBER 2018 (RABU)

Semai budaya hargai alam sekitar

SUASANA pagi di tasik Universiti Sultan Zainal Abidin (UniSZA) Kampus Gong Badak, Kuala Nerus, Terengganu baru-baru ini meriah dengan kehadiran lebih 50 pelajar tingkatan empat dari 10 buah sekolah menengah sekitar daerah itu.

Masing-masing begitu bersemangat selepas mendengar ceramah mengenai kesedaran melindungi sumber air yang dikendalikan oleh dua orang pensyarah.

Program sehari anjuran Institut Penyelidikan Alam Sekitar Pantai Timur (Eseri) itu merupakan salah satu usaha membina kesedaran masyarakat dan penglibatan awam dalam melindungi sumber air seperti sungai dan tasik.

Hari Pemantauan Air Sedunia 2018 (WWMD) turut memberi pendedahan kepada para pelajar terbabit untuk mengendalikan peralatan-peralatan forensik alam sekitar bagi tujuan

persampelan dan pemantauan kualiti air.

Pengarah Eseri, Prof. Madya Dr. Hafizan Juahir berkata, program yang disambut pada 18 September setiap tahun di seluruh negara itu dianjurkan bagi menyuntik semangat serta menyemai budaya cintakan alam sekitar khususnya dalam aspek menjaga sumber air.

Menurut Hafizan, program yang masuk tahun kedua penganjurannya itu menerima maklum balas memberangsangkan daripada pelajar-pelajar sekolah yang meminati bidang sains.

“Aktiviti yang diatur memfokuskan kepada kemahiran Sains, Teknologi, Kejuruteraan dan Matematik (STEM) menggunakan modul Saintis Cilik Alam Sekitar yang dihasilkan oleh Eseri.

“Modul tersebut menekankan konsep lapangan iaitu peserta dilatih untuk mengendalikan peralatan forensik alam sekitar dan makmal selain menimba pengalaman dalam melakukan

kerja-kerja persampelan,” katanya ketika ditemui *Kosmo!* di kawasan tasik UniSZA Kampus Gong Badak baru-baru ini.

Tambah Hafizan, kaedah persampelan dan pemantauan yang dijalankan di sekitar tasik berkenaan turut memberi pengalaman baharu kepada pelajar bagi mengetahui tahap pencemaran di sekitar mereka.

Katanya lagi, hasil daripada ujian tersebut akan dimuat naik di laman web Eseri bagi tujuan rujukan serta penanda aras bagi penganjuran program sama selepas ini.

Dalam pada itu, Hafizan berkata, umum mengetahui akan kepentingan sumber air bersih tetapi hanya segelintir yang ambil peduli mengenai keadaan sungai di negara ini.

Jelas Hafizan, berdasarkan



SEORANG petugas (dua dari kiri) menunjukkan cara-cara melakukan ujian pemantauan tasik kepada tiga peserta di kawasan tasik UniSZA, Kuala Nerus, Terengganu baru-baru ini.

statistik yang dikeluarkan oleh Jabatan Alam Sekitar pada tahun 2016, sebanyak 43 sungai atau sembilan peratus daripadanya mengalami pencemaran terutamanya di kawasan bandar.

“Masalah tersebut berpunca daripada sikap suka membuang sampah ke dalam sungai selain aliran sisa industri yang tidak terancang,” ujarnya.

LAMPIRAN 10
BERITA HARIAN (SKOR): MUKA SURAT 50
TARIKH: 3 OKTOBER 2018 (RABU)

Inovasi hijau galakkan aktiviti berkebun

➔ Tanaman menggunakan Self-Sufficient Soil hanya perlu disiram sekali setahun

Oleh Mohd Khairul Anam
Md Khairudin
khairul.anam@bh.com.my

➔ Penampang

Melihat beban tugas pekerja pember-
sihan di sekolah
yang semakin meningkat
mendorong sekumpulan
pelajar Sekolah Menengah
Kebangsaan (SMK) Datuk
Peter Mojuntin, di sini, mem-
bangunkan inovasi hijau
berasaskan tanah kompos
yang dinamakan *Self-Suffi-
cient Soil*.

Guru pasukan inovasi
sekolah itu, Puan Artina
Ariff, berkata produk ber-
kenaan dapat membantu
orang ramai yang gemar
berkebun tetapi berdepan
kekangan masa, teruta-
ma untuk menyiram dan
menjaga tanaman diusa-
hakan.

Beliau berkata, inovasi

yang dihasilkan itu meng-
gunakan sisa makanan dan
tumbuhan tanpa campuran
bahan pengawet lain.

"Ideia menghasilkan
produk ini tercetus apabila
melihat kepada tugas pe-
kerja pembersihan sekolah
yang perlu menjalankan
banyak kerja dalam satu
masa seperti menyeleng-
gara tanaman, membersih
bangunan dan bilik darjah
serta memotong rumput.

Kos rendah

"Manik air (*water beads*)
pada produk ini diperoleh
daripada lampin pakai
buang terpakai, manakala
pasu bunga sepenuhnya
menggunakan tanah liat
yang sudah tidak diguna-
kan," katanya kepada *BH*
Skor di sini, baru-baru ini.

Puan Artina berkata, di
samping tidak memerlukan
kos besar, produk berkenaan
turut menekankan nilai 3R
iaitu guna semula, kurang-



Keunikan tersendiri produk inovasi berasaskan tanah kompos membolehkan SMK Datuk Peter Mojuntin meraih pelbagai kejayaan membanggakan.

kan dan kitar semula.

"Kita sedia maklum
tumbuhan perlu disi-
ram sekurang-kurangnya
satu atau dua kali sehari,
bagaimanapun menerusi
Self-Sufficient Soil ini, tana-

man atau tumbuhan hanya
perlu disiram sekali seta-
hun sahaja.

"Konsep 3R diterap-
kan ini mampu memberi
kesedaran kepada pelajar
betapa pentingnya menja-

ga kelestarian alam sekitar,
sekali gus menggalakkan
perkembangan produk
baharu dan platform ter-
baik bagi melahirkan pel-
ajar berinovasi tinggi pada
masa hadapan," katanya.

Info

Inovasi tanah kompos mesra hijau

➔ Produk mula dibangunkan
sejak tahun 2014

➔ Inovasi ini dapat
membantu kawasan
berlandskap seperti di
sekolah, bangunan kerajaan
dan swasta, selain
menekankan aspek
kepentingan karbon dioksida
kepada tumbuhan serta
oksigen kepada manusia

➔ Terdiri daripada dua
pelajar Tingkatan Empat iaitu
Faustina Florin dan Rachel
Ann Riji

➔ Mendapat anugerah
gangsa pada pertandingan
*International Young Scientist
Innovation Exhibition (IYSIE)*
2018 yang diadakan di
Universiti Tenaga Nasional
(UNITEN), Bangi, Selangor,
baru-baru ini

LAMPIRAN 11
BERITA HARIAN (BISNES): MUKA SURAT 20
TARIKH: 3 OKTOBER 2018 (RABU)

Kerajaan sasar maju 30 PKS sektor aeroangkasa

Kerajaan menyasarkan untuk membangunkan 30 syarikat pembuatan perusahaan kecil dan sederhana (PKS) baharu dalam sektor aeroangkasa menjelang 2020, selain 20 syarikat yang ada sekarang.

Ketua Pejabat Penyelarasan Industri Aeroangkasa Kebangsaan (NAICO), Shamsul Kamar Abu Samah, berkata segmen pembuatan industri aeroangkasa tempatan menunjukkan pertumbuhan mengagumkan sejak 1990-an dan baru-baru ini mengatasi segmen penyelenggaraan, pembaikan dan baik pulih (MRO) sebagai penyumbang pendapatan utama dalam sektor aeroangkasa.

"Sudah tentu, sektor MRO telah menyediakan sejumlah pendapatan kepada Malaysia tetapi pada masa

ini, (segmen) pembuatan adalah nombor satu. Kami berharap ia (pembuatan) boleh meningkat antara 7.0 dan 15.0 peratus setiap tahun, tetapi ia sangat bergantung kepada bagaimana kita boleh membawa lebih banyak pelaburan," katanya kepada pemberita selepas pelancaran Konvensyen Perniagaan Aeroangkasa Antarabangsa Kuala Lumpur (KLIABC) ketiga di Kuala Lumpur, semalam.

Shamsul Kamar berkata, kira-kira 48 peratus atau RM6.6 billion hasil industri aeroangkasa pada 2017 datang daripada segmen pembuatan aeroangkasa, diikuti 46 peratus daripada segmen MRO dan selebihnya daripada segmen perkhidmatan kejuruteraan dan reka bentuk.

Pelaburan baharu

Beliau berkata, keputusan General Electric, syarikat berpangkalan di Amerika Syarikat untuk melabur RM200 juta bagi menubuhkan sebuah pusat perkhidmatan LEAP berteknologi tinggi baharu di Malaysia akan menghasilkan sehingga 40 syarikat penerbangan baharu yang menyelenggara enjin mereka di lapangan terbang Subang.

"Kami berharap dengan pelaburan baharu itu lebih banyak enjin akan diservis di Subang," katanya.

Pelancaran itu dirasmikan oleh Menteri Perdagangan Antarabangsa dan Industri, Dorell Leiking.

Shamsul Kamar berkata, NAICO, satu unit di bawah Kementerian Perdagangan Antarabangsa dan Industri (MITI), akan bekerjasama



Segmen pembuatan industri aeroangkasa tempatan menunjukkan pertumbuhan mengagumkan sejak 1990-an"

**Shamsul Kamar
Abu Samah,**

Ketua Pejabat Penyelarasan Industri Aeroangkasa Kebangsaan (NAICO)

dengan PKS untuk memastikan penglibatan jangka panjang mereka dalam industri aeroangkasa.

"MITI melalui agensinya seperti Perbadanan Pembangunan Perdagangan Luar Malaysia (MATRADE), Lembaga Pembangunan Pelaburan Malaysia dan SME Corporation (SME Corp), akan menyediakan geran untuk membantu PKS dalam industri aeroangkasa.

"Geran terbabit, bagaimanapun hanya meliputi kira-kira 50 peratus daripada pelaburan yang diperlukan kerana kita mahu melihat komitmen yang sama daripada pemain industri dan untuk menentukan sama ada mereka benar-benar mahu melabur dalam segmen ini," tambahnya.

BERNAMA

LAMPIRAN 12
BERITA HARIAN (BISNES): MUKA SURAT 19
TARIKH: 3 OKTOBER 2018 (RABU)

Malaysia berpotensi jadi hab industri aeroangkasa



Darell bersalaman dengan peserta KLIABC 2018 di Kuala Lumpur, semalam.

➔ Negara miliki kepakaran, keupayaan tinggi hasil komponen pesawat

Oleh Nabil Basaruddin
nabil.basaruddin@nstp.com.my

Malaysia mampu menjadi hab pelaburan aeroangkasa global bersandarkan kepada keyakinan tinggi terhadap kepakaran dan keupayaan yang dimiliki negara.

Menteri Perdagangan Antarabangsa dan Industri, Darell Leiking, berkata pembabit negara dalam menghasilkan komponen

pesawat bukan lagi perkara asing kerana terdapat syarikat tempatan yang mengeksport komponen seperti sayap dan ekor pesawat.

Beliau berkata, selari dengan pelbagai usaha yang dilaksanakan, pihaknya yakin untuk mencapai sasaran pertumbuhan pendapatan industri berjumlah RM55.2 bilion atau lebih menjelang 2030.

Destinasi terbaik pelaburan

"Malaysia sentiasa berada di hadapan dalam pelbagai aktiviti sepanjang rantai nilai industri aeroangkasa seperti perkhidmatan reka bentuk dan kejuruteraan, penyepaduan sistem serta kemudahan penyelenggaraan, pembaikan dan membaik pulihnya (MRO).

"Justeru, perkara ini menjadikan negara ini sebagai destinasi terbaik bagi pelaburan untuk sektor aeroangkasa sekali gus menjadi antara hab utama di dunia," katanya pada sidang

media selepas merasmikan Konvensyen Perniagaan Aeroangkasa Antarabangsa Kuala Lumpur 2018 (KLIABC 2018) di Kuala Lumpur, semalam.

Hadir sama, Ketua Setiausaha MITI, Datuk Isham Ishak; Ketua Pegawai Eksekutif Perbadanan Pembangunan Perdagangan Luar Malaysia (MATRADE), Ir Dr Mohd Shahreen Zainooreen Madros dan Ketua Pejabat Koordinasi Industri Aeroangkasa Kebangsaan (NAICO) Shamsul Kamar Abu Samah.

KLIABC 2018 berlangsung pada 2 hingga 4 Oktober itu disertai 150 syarikat aeroangkasa dari 21 negara yang diadakan di Pusat Pameran dan Perdagangan Antarabangsa Malaysia (MITEC).

Antara peserta industri yang terabit termasuklah Airbus, Rolls Royce, Boeing, Safran France, Ruag Aviation, Embraer, AirAsia, Malaysia Airports Holdings Bhd, CTRM, UMW Aerospace, Dviation Group dan Strand

Aerospace Malaysia.

Pusat perkhidmatan MRO

Darell berkata, dengan kepesatan rantau Asia Pasifik yang akan menerima 16,000 pesawat baru pada 2035 dan menjadi pasaran pengangkutan udara terbesar dunia, ia adalah peluang terbaik buat negara.

"Saya berani katakan, bahawa kita juga berupaya memacu perkara ini dan menjadikan Malaysia sebagai pusat perkhidmatan MRO dan pengeluaran pesawat terbesar di dunia," katanya.

Sementara itu, beliau berkata, pihaknya tidak menolak kemungkinan untuk meninjau lokasi baru bagi melaksanakan pembangunan sektor itu dari hab sedia ada di Subang, Sepang dan Serendah.

Katanya, peluang serta permintaan bagi sektor itu sentiasa berkembang, oleh itu kementerian perlu mempunyai perancangan dalam memperluaskannya.

LAMPIRAN 13
THE STAR (NATION): MUKA SURAT 12
TARIKH: 3 OKTOBER 2018 (RABU)

Lynas hopes for fair, transparent review

KUALA LUMPUR: Lynas Malaysia has made a public appeal for a fair, just, objective, scientific and transparent review by the evaluation committee.

In a press conference yesterday, Lynas chief executive officer Amanda Lacaze requested that any review be "procedurally fair, in keeping with the values of the Malaysian government and its people".

"For us, that means a review committee that is independent and public. It has the technical skills to make informed judgments.

"Its scope is defined and communicated, the terms of reference are clear and communicated, and the review committee's enquiries are open and public," she said.

The appeal was also made public through an open letter from Lacaze, published in *The Star* on the same day.

In response, Kuantan MP Fuziah

The committee ... is committed to safety standards and decisions that promote intergenerational justice.

Fuziah Salleh

Salleh said the review on the Lynas rare earth refinery would be guided by a framework of sustainable development and investments.

Fuziah, who is also the Lynas executive review committee chairman, said the Radioactive Waste Management Plan would be the centre of the review "since the radioactive waste is

a very pertinent issue to be deliberated by the committee from the perspective of sustainability and sustainable development".

The committee will also look into other safety aspects such as health, social and environmental impacts, while reports from previous committees such as the Parliamentary Select Committee and recommendations by the International Atomic Energy Agency will also be considered.

"The committee emphasises that it is committed to safety standards and decisions that promote intergenerational justice, as well as policies that promote sustainable investments as a future guideline for the government of the day," Fuziah said in a statement.

She said the committee welcomed Lynas' suggestion that the hearing be open to the public and would equally consider the views of the company's stakeholders.

LAMPIRAN 14
THE STAR (NATION): MUKA SURAT 2
TARIKH: 3 OKTOBER 2018 (RABU)

Panel set up to resolve environmental issues in Camerons

By **SIM LEOI LEOI**
leoi@thestar.com.my

CAMERON HIGHLANDS: A joint action committee has been set up between the Federal and Pahang governments to resolve the various environmental issues affecting the popular tourist spot.

Deputy Water, Land and Natural Resources Minister Tengku Zulpuri Shah Raja Puji said the committee was set up during a meeting here between both sides yesterday.

"We have agreed to have a series of discus-

sions with the Pahang government through the committee, as well as with the various stakeholders on long-term measures to resolve the environmental pollution in Cameron Highlands, especially that which involves the agricultural sector.

"One long-term measure we will discuss is repairing or reserving land banks along the rivers, which will require the cooperation of landowners," he told reporters after chairing the meeting.

Among others, the meeting focused on issues of land encroachment, illegal farm-

lands and river pollution in Cameron Highlands.

Also present were the Pahang exco member in charge of environment, Datuk Seri Mohd Shahkar Shamsudin, and Bentong MP Wong Tack.

Other measures, said Tengku Zulpuri, included roping in agencies such as the National Hydraulic Research Institute and other experts to draw up specifications for the type of land that could be safely exploited for agriculture and guidelines for "sensitive" areas.

"We hope that this platform can eventually be extended to discussions on environmental issues in other areas in Pahang.

"But the critical spot now is Cameron Highlands," he added.

Mohd Shahkar said the authorities were told to act against those flouting environmental laws, adding that programmes would be held to promote awareness among farmers.

"We need to discuss the long-term measures because we don't want to carry out anything that will also affect the farmers unjustly," he said.

LAMPIRAN 15
THE SUN (SUNBIZ): MUKA SURAT 13
TARIKH: 3 OKTOBER 2018 (RABU)

Mega First wins lawsuit against Sabah Electricity

PETALING JAYA: Mega First Corp Bhd has won a lawsuit against Sabah Electricity Sdn Bhd with the final award amounting to RM28.79 million.

In a filing with the stock exchange yesterday, Mega First said the Arbitral Tribunal had on Sept 28 awarded to its subsidiary Serudong Power Sdn Bhd; the principal shortfall of RM19.24 million in energy payment (EP) and capacity payment (CP) for the period of Nov 15, 2007 to Dec 1, 2016; interest on the shortfall in EP and CP of RM9.14 million calculated up to May 31, 2018; as well as Serudong Power's representation cost of RM420,000.

Mega First noted that the final award will increase its earnings per share and net assets per share of 2.86 sen each for the financial year ending Dec 31, 2018.

The group added that the combined amount of RM28.37 million arising from the principal shortfall and interest on the shortfall had been recognised in its consolidated income statement for the six-month period ended June 30, 2018 announced on Aug 28, 2018.

"The above will result in a marginal improvement in the group's gearing. However, it is not expected to have any effect on Mega First's share capital and substantial shareholders' shareholdings."

To recap, Serudong Power is the owner of an electricity generating facility in Tawau, Sabah. Pursuant to a power purchase agreement dated April 13, 1995 between Serudong Power and Lembaga Letrik Sabah (currently known as Sabah Electricity), Sabah Electricity was to purchase from Serudong Power the generating capacity and electric energy generated by its facility.

The arbitration proceedings are in relation to the recovery of outstanding EP and CP due to the adjustment of the fixed operating rate and variable operating rate for the period of Dec 2000 to November 2013 together with interests thereon.

In April 2016, Serudong Power was given a partial award by the Kuala Lumpur Regional Centre for Arbitration Rules declaring that Sabah Electricity must pay RM7.75 million to Serudong Power.

Mega First's share price rose 5 sen or 1.5% to close at RM3.45 on 57,300 shares done.

LAMPIRAN 16
THE STAR (NEWS): MUKA SURAT 4
TARIKH: 3 OKTOBER 2018 (RABU)

Sabah Electricity directed to pay compensation to Mega First

PETALING JAYA: The Arbitral Tribunal has directed Sabah Electricity Sdn Bhd to pay compensation to Mega First Corp Bhd's (MFCB) power generation subsidiary Serudong Power a total of RM28.79mil.

In a filing to Bursa Malaysia last week, MFCB said the Arbitral Tribunal had ordered Sabah Electricity to pay to its subsidiary the principle shortfall amount of RM19.23mil in energy payment and capacity payment for the period between Nov 15, 2007 to Dec 1, 2016.

Furthermore, the Arbitral Tribunal order

also included interest on the shortfall in energy payment and capacity payment for the period between Nov 15, 2007 to Nov 30, 2016 and calculated up to May 31, 2018 a total of RM9.13mil as well the claimant's representation costs fixed at RM420,000.

The group believes the final award of RM28.79mil would have a positive impact on the earnings and net assets of MFCB for financial year ending Dec 31, 2018.

Moving forward, MFCB also looks forward to an increase of 2.86 sen in earnings per share and an increase of 2.86 sen in net assets

per share.

"The combined amount of RM28.37mil from principal shortfall and interest had been recognised in MFCB's consolidated income statement for the six-month period ended June 30, 2018 and announced on Aug 28, 2018.

"This would result in a marginal improvement in the group's gearing.

"However, it is not expected to have any effect on MFCB's share capital and substantial shareholders' shareholdings," the group added.

LAMPIRAN 17
THE STAR (NEWS): MUKA SURAT 4
TARIKH: 3 OKTOBER 2018 (RABU)

Malaysia aims to develop 30 new aerospace manufacturing SMEs

KUALA LUMPUR: The government targets to develop 30 new manufacturing small and medium enterprise (SME) players in the aerospace sector by 2020, in addition to the current 20 companies.

National Aerospace Industry Coordinating Office (NAICO) head Shamsul Kamar Abu Samah said the local aerospace industry's manufacturing segment had shown tremendous growth since the 1990s and recently surpassed the maintenance, repairs and overhaul (MRO) segment as the top revenue contributor in the aerospace sector.

"Of course, the MRO sector has been providing quite a sum of revenue to Malaysia but at this point of time, manufacturing (segment) is number one. We hope that it (manufacturing) can increase between 7% and 15% every year, but this will very much depends on how we can bring in more investments.

Shamsul Kamar said about 48% or RM6.6bil of the aerospace industry's revenue in 2017 came from the aerospace manufacturing segment, followed by 46% from the MRO segment and the remaining from the engineering and design services segment.

He said US-based General Electric's decision to invest RM200mil to set up a new high-tech Leap service centre in Malaysia would result in up to 40 new airlines servicing their engines in Subang airport.

"We hope with the new investment, more engines will be serviced in Subang," Shamsul told reporters after the launch of the third Kuala Lumpur International Aerospace Business Convention (KLIABC). — Bernama

LAMPIRAN 18
THE STAR (NEWS): MUKA SURAT 4
TARIKH: 3 OKTOBER 2018 (RABU)

CEO: Technology will not take over human jobs

KUALA LUMPUR: The general belief that technology will take over human jobs in the future is a grave misconception, said Islamic Banking and Finance Institute Malaysia (IBFIM) chief executive officer Yusry Yusoff.

He said technology, in line with industrial revolution 4.0 (IR4.0), would upscale the work force to cater to future demand.

"With technology, we do not need to open bank branches anymore as everything can be done online. However, people think that with this, there will be less jobs. This is not correct.

"Those who use to be clerks can now become financial planners if they upscale themselves. Yes, the jobs that they have now may no longer exist, but new jobs, in line with the change, will be created," he told Bernama on the sidelines of a forum on "Digital Economy and its Potential at Reskilling for Future Economy."

According to the 2016 World Economic Forum, 65% of children in schools today would end up working in jobs that do not exist yet.

He added that the regular banking process could be automated but investment banking still needed human touch.

"Not everything can be automated. There are some areas where robots and automation can never replace human capabilities," he said.

In a related development, Yusry said that Malaysia continued being the leader in Islamic finance and can go further with technology adoption as it can reach out to more people.

"Islamic finance, is poised to grow tremendously over the years, and simultaneously with the development of Islamic economy.

"This will increase the chances for small and medium enterprises to receive financial assistance. With financial technology in place, we can tap into the bigger market," Yusry added. — Bernama