

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

Bil	Berita	Media	Capaian Berita Penuh
9 NOVEMBER 2018 (JUMAAT)			
1.	[VIDEO] Banjir, 523 penduduk sekitar Empangan Kenyir 'dipindah' Ketua Penolong Pegawai Daerah HuluTerengganu, Mohd, Zalizan Sulong berkata, program anjuran Jawatankuasa Pengurusan Bencana daerah tersebut diadakan secara bersepadu melibatkan 20 agensi termasuk Tenaga Nasional Berhad (TNB) dan badan bukan kerajaan (NGO).	UTUSAN ONLINE	Klik pada tajuk berita
2	TNB wins second World Branding Awards Tenaga Nasional Bhd  (TNB) has won “Brand of the Year” award for 2018-2019, under the power category of the national winners for Malaysia, at the prestigious World Branding Awards. The first time TNB received the award was in 2014.	THE STAR ONLINE	Klik pada tajuk berita
3	Hujan, ribut petir diramal hingga Ahad Jabatan Meteorologi Malaysia dalam satu kenyataan menjelaskan, cuaca berkenaan dijangka berterusan sehingga Ahad ini.	SINAR ONLINE	Klik pada tajuk berita
4	Cuaca di Kelantan bertambah baik Sementara itu, Ketua Pengarah Jabatan Meteorologi Malaysia, Alui Bahari, dalam satu kenyataan hari ini, berkata keadaan cuaca di Kelantan, Terengganu, Perlis, Kedah, Pulau Pinang dan Perak dijangka bertambah baik.	BH ONLINE	Klik pada tajuk berita
5	Aktiviti pembalakan, rekreasi di Kelantan dibekukan 2 bulan Katanya, JPNK akan sentiasa memantau dengan Jabatan Meteorologi Malaysia bagi melihat keadaan cuaca.	MALAYSIA KINI	Klik pada tajuk berita

6	<u>MTDC calls for teamwork in embracing Industry 4.0</u> Malaysian Technology Development Corp Sdn Bhd (MTDC) CEO Datuk Norhalim Yunus (<i>picture</i>) has called upon industry players and companies to forge closer collaboration to leverage on Industry 4.0.	MALAYSIAN RESERVE	Klik pada tajuk berita
7	<u>Penggunaan tenaga diperbaharui bermula dengan pendidikan - SEDA Malaysia</u> Pihak Berkuasa Pembangunan Tenaga Lestari (SEDA) Malaysia menegaskan pendidikan tentang tenaga diperbaharui (RE) untuk rakyat Malaysia perlu dijadikan sebagai langkah pertama ke arah penggunaan tenaga lestari di negara ini.	BERNAMA.COM	Klik pada tajuk berita
8	<u>Gempa Bumi</u> Merupakan pergerakan semula jadi bumi yang boleh menyebabkan bencana yang dahsyat. Sesetengah gempa bumi mengakibatkan berlakunya ombak kuat dikenali sebagai tsunami.	UTUSAN ONLINE	Rujuk Lampiran 1
9	<u>“We need to work with our neighbour”</u> More collaboration in research between Indonesia and Malaysia is needed to understand how Indonesia’s earthquakes would affect Malaysia, said a geologist.	THE STAR	Rujuk Lampiran 2
10	<u>Empangan Kenyir selamat, sukar retak</u> Hal demikian ini kerana jelasnya, Tenaga Nasional Berhad(TNB) serta pengurusan stesen jana elektrik berkenaan sentiasa membuat pemantauan termasuk melakukan kekerapan pemeriksaan bagi memastikan ianya selamat.	UTUSAN MALAYSIA	Rujuk Lampiran 3
11	<u>TNB menang Anugerah Penjenamaan Dunia</u> Tenaga Nasional Bhd.(TNB) Berjaya meraih Anugerah jenama Terbaik Tahunan bagi 2018 hingga 2019 dalam katogori tenaga bagi pemenang Malaysia pada anugerah berprestij Anugerah Penjenamaan Dunia	UTUSAN MALAYSIA	Rujuk Lampiran 4

12	<u>TNB is Brand of the year for second time</u> Tenaga Nasional Bhd(TNB) has won"Brand of the year" award for 2018-2019 under the power category at the prestigious World Branding Awards.	NEWSTRAIT TIMES	Rujuk Lampiran 5
13	<u>TNB menang Jenama Terbaik</u> Tenaga Nasional Bhd.(TNB) Berjaya meraih anugerah Jenama Terbaik Tahunan bagi 2018 hingga 2019.	HARIAN METRO	Rujuk Lampiran 6

TEMPATAN

Bil	Berita	Media	Capaian Berita Penuh
9 NOVEMBER 2018 (JUMAAT)			
14	<u>3 daerah di Selangor dilanda banjir kilat</u> Tiga daerah di negeri Selangor hari ini sekali lagi terjejas selepas dilanda banjir kilat berikutan hujan lebat sejak, awal pagi tadi.	BH ONLINE	Klik pada tajuk berita
15	<u>Telcos, Tenaga, banks push KLCI to higher close</u> Some fund buying of telcos, Tenaga Nasional and banks enabled the FBM KLCI to close higher on Thursday, tacking the firmer key Asian markets except for China.	THE STAR ONLINE	Klik pada tajuk berita
16	<u>Penyampaian perkhidmatan awam perlu berubah</u> Beliau berkata, Industri 4.0 mencakupi pelbagai teknologi baharu seperti automasi, Internet of Things (IoT), analisis data besar, simulasi, integrasi sistem dan penggunaan robotik.	UTUSAN ONLINE	Klik pada tajuk berita Rujuk / Lampiran

ANTARABANGSA

Bil	Berita	Media	Capaian Berita Penuh
9 NOVEMBER 2018 (JUMAAT)			
17.	Nextgreen, firma Jepun bekerjasama labur teknologi hijau Nextgreen Global Bhd (NGGB) merancang untuk melabur sebanyak RM700 juta bagi membangunkan sebuah kilang di Taman Teknologi Hijau (GTP) di Pekan, Pahang tahun depan.	BH ONLINE	Klik pada tajuk berita
18.	Nextgreen inks MoU with Japan's IHI, Nomura for green tech Nextgreen Global Bhd has inked an MoU with Japan's IHI Corporation and Nomura Holdings Inc to undertake a green technology investment partnerships.	THE STAR ONLINE	Klik pada tajuk berita
19	<u>Japan Investment Boost</u> Nomura says RM700m for Green Technology Park is just the start	NEWSTRAIT TIMES	Rujuk Lampiran 7

LAMPIRAN 1 UTUSAN MALAYSIA (MEGA INFO): MUKA SURAT 36 TARIKH: 9 NOVEMBER 2018 (JUMAAT)

GEMPA BUMI

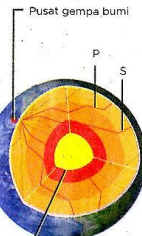
Merupakan pergerakan semula jadi bumi yang boleh menyebabkan bencana yang dahsyat. Sesetengah gempa bumi mengakibatkan berlakunya ombak kuat dikenali sebagai tsunami.

Kerak luar Bumi terbentuk oleh kepingan besar dikenali sebagai plat tektonik. Plat ini sentiasa bergerak dan menolak satu sama lain dengan kuat. Plat tektonik ini bebas untuk menggelincir antara satu sama lain. Ini membentuk tekanan yang kuat sehingga berlakunya peralihan secara tiba-tiba antara blok batuan atau patahan pada atau dekat garis permukaan Bumi. Pergerakan yang berlaku menyebabkan tenaga dibebaskan dalam bentuk gelombang atau getaran yang kuat menyebabkan berlaku gempa bumi. Sekiranya berlaku di dasar laut, ia boleh membentuk tsunami.

BAGAIMANA TSUNAMI BERLAKU

Terdapat banyak kejadian yang boleh mengakibatkan tsunami, termasuk letupan gunung berapi berdekatan atau dalam laut; berlakunya tanah runtuh di kawasan laut dan impak disebabkan oleh asteroid. Kebiasaannya ia berlaku disebabkan oleh gempa bumi kuat di dasar laut, selalunya apabila salah satu plat tektonik beralih.

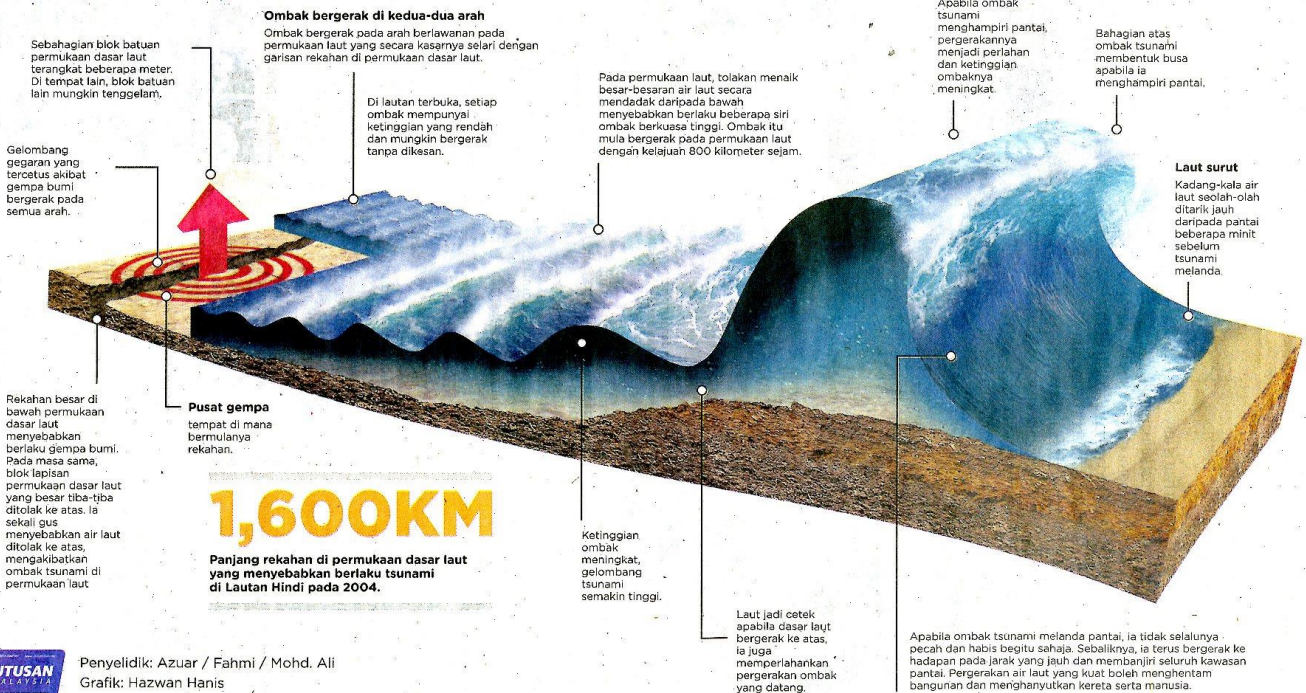
Gempa bumi menghasilkan dua jenis gelombang kejut dikenali sebagai gelombang P dan S, yang bergerak menerusi bahagian dalam Bumi. Saintis boleh mengetahui di mana dan bila gempa berlaku dengan mengesan gelombang berkenaan sebaik ia sampai ke permukaan.



Gelombang P berubah arah sedikit ketika ia melintasi lapisan Bumi.

Kawasan-kawasan merbahaya

Sesetengah negara terjejas teruk dengan bencana gempa bumi berbanding negara-negara lain kerana berada di sempadan antara plat tektonik. Peta ini menunjukkan 10 negara yang terdedah dengan gempa bumi yang meragut paling banyak nyawa.



LAMPIRAN 2
THE STAR (NATION): MUKA SURAT 19
TARIKH: 9 NOVEMBER 2018 (JUMAAT)

'We need to work with our neighbour'

Geologist: Collaboration necessary to understand how Indonesia tremors affect M'sia

By CLARISSA CHUNG

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PETALING JAYA: More collaboration in research between Indonesia and Malaysia is needed to understand how Indonesia's earthquakes would affect Malaysia, said a geologist.

Universiti Teknologi Malaysia Centre of Tropical Geoengineering director Prof Dr Edy Tonnizam Mohamad said Malaysia may experience tremors when the Sunda plate on which it sits collides against the Philippines Sea Plate near Sabah or the Indo-Australian Plate on the west.

"Researchers have mapped out most of the potential fault zones in Malaysia and studied their potential reactivity.

"The nature of earthquakes in Malaysia is different from Indonesia because Indonesia is located near to the subduction zone," he said.

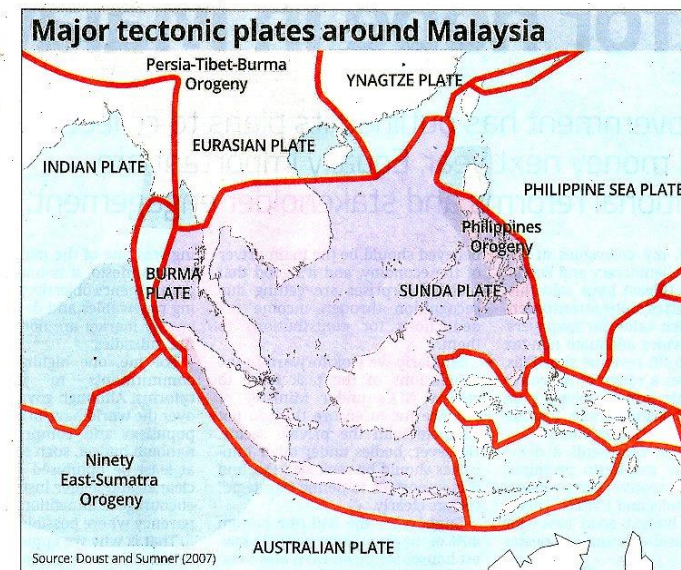
Prof Edy said that subduction zones are areas where two tectonic plates collide and hit each other.

"What could be improved is our understanding of how the regional subduction patterns, such as the ones in Indonesia, affect our country's fault lines," he said in an interview.

Recently, Sulawesi in Indonesia was hit by a 7.5-magnitude earthquake, which triggered a tsunami and left more than 2,000 people dead.

Prof Edy disputed the misconception that quarrying, mining activities and construction of the MRT train line would lead to earthquakes.

"These activities do not penetrate very deep into the ground whereas the earth's



crust is much thicker," he added.

While there have been earthquakes in Sabah, it is not a well-known fact that earthquakes frequently occur in Peninsular Malaysia as well.

Prof Edy said there are seven main fault lines in Peninsular Malaysia – Bok Bak Fault,

Lebir Fault, Terengganu Fault, Bukit Tinggi Fault, Kuala Lumpur Fault, Lepar Fault and Mersing Fault.

He said fault zones are the breakage between plates, likening it to the joints of our body.

"These fault zones are like the 'joints',

where movement is easier compared to body parts that are solid and rigid.

"Generally, these fault lines in Peninsular Malaysia are stable but there have been low-to medium-scale tremors recorded in a few locations," he said.

Tremors have been recorded even in places such as Kuala Lumpur, Bukit Tinggi, Jerantut and Baling in the past decade, he said, although these do not exceed 4.0 on the Richter scale.

In Sabah, Lahad Datu experienced a 6.2-magnitude earthquake in 1976 while a 5.9-magnitude earthquake struck Ranau in 2015, leading to 18 deaths.

A spokesman from Institute of Geology Malaysia said earthquakes felt in Malaysia are from two sources.

One is known as the "far-field earthquakes", which arise from earthquakes originating in Sumatra or the Philippines.

The second source of earthquakes are those of local origin, which are the tremors felt in the Kenyir Dam or in central or eastern Sabah.

He, however, dispelled the notion that the fault lines in the peninsula would be reactivated and leave Malaysia at risk of large-scale tremors.

"There is currently no evidence to show there would be reactivation of fault lines in Peninsular Malaysia.

"In Sabah, there are active fault zones in the Ranau and Lahad Datu areas and these are also being monitored by the Department of Mineral and Geoscience Malaysia and the Malaysia Meteorological Department," he said, adding that active measures are being taken by the authorities to prepare for earthquakes.

LAMPIRAN 3
UTUSAN MALAYSIA (DALAM NEGERI): MUKA SURAT 12
TARIKH: 9 NOVEMBER 2018 (JUMAAT)

Empangan Kenyir selamat, sukar retak

HULU TERENGGANU 8 Nov. - Tahap keselamatan Empangan Kenyir dekat sini sentiasa terjaga dan orang ramai khususnya penduduk di beberapa buah kampung sekitarnya dinasihatkan tidak risau atau panik.

Pengurus Besar Stesen Jana Elektrik Sultan Mahmud (Empangan Kenyir), Mustapha Kamal Yaacob ketika memberi jaminan itu berkata, kebarangkalian berlaku permasalahan di empangan itu termasuk retak sehingga menyebabkan banjir besar adalah terlalu kecil.

Hal demikian ini kerana jelasnya, Tenaga Nasional Berhad (TNB) serta pengurusan stesen jana elektrik berkenaan sentiasa membuat pemantauan termasuk melakukan kekerapan pemeriksaan bagi memastikannya selamat.

"Proses pemeriksaan empangan adalah ketat dan setiap minggu, bulan atau tahun, kita akan buat pemeriksaan bagi memastikannya sentiasa dalam keadaan selamat.

"Malah setiap 10 tahun, kita akan panggil pakar dari luar negara untuk buat pemeriksaan. Kita sentiasa mempunyai peralatan yang cukup seperti alat mengukur atau sukat sekiranya berlaku gegaran



PENDUDUK mukim Jenagor dan Kuala Berang menyertai Program Latih Amal Simulasi Keselamatan Empangan Kenyir di Dewan Majlis Daerah Kuala Berang, Terengganu, semalam. - UTUSAN/FARID JANUDIN

dan sebagainya," katanya.

Beliau menyatakan perkara itu kepada pemberita selepas program Keselamatan Empangan Latih Amal Tindak Balas Kecemasan Penduduk Mukim Jenagor dan Kuala Berang di Dewan Majlis Daerah Hulu Terengganu di sini hari ini.

Yang turut hadir Ketua Penolong Pegawai Daerah Hulu Terengganu, Mohd. Zalizan Sulong.

Mustapha Kamal seterusnya berkata, limpahan air daripada empangan itu hanya akan berlaku apabila kuantiti atau takungan air mencecah paras bahaya iaitu 153 meter.

Beliau menjelaskan, sejak Empangan Kenyir beroperasi pada 1986, ada berlaku sedikit limpahan dalam kejadian banjir di seluruh negara beberapa tahun lalu dan paras air tertinggi ketika itu hanya 148 meter.

LAMPIRAN 4
UTUSAN MALAYSIA (BISNES): MUKA SURAT 46
TARIKH: 9 NOVEMBER 2018 (JUMAAT)

TNB menang Anugerah Penjenamaan Dunia

KUALA LUMPUR 8 Nov – Tenaga Nasional Bhd. (TNB) berjaya meraih anugerah Jenama Terbaik Tahunan bagi 2018 hingga 2019 dalam kategori tenaga bagi pemenang Malaysia pada anugerah berprestij Anugerah Penjenamaan Dunia.

TNB berkata, anugerah tersebut adalah kemenangan kedua mereka selepas membolot anugerah pertama pada 2014.

Ketua Pegawai Korporatnya, Datuk Wira Roslan Ab. Rahman menerima anugerah tersebut dari Pengerusi World

Branding Forum, Richard Rowles di Kensington Palace, London baru-baru ini.

Anugerah Penjenamaan Dunia adalah program pengiktirafan anugerah anjuran World Branding Forum.

Lebih 4,500 jenama dari 57 negara dicalonkan tahun ini, dengan 351 jenama dari 49 negara diumumkan sebagai pemenang, termasuk 81 jenama dari 16 negara menerima anugerah itu di New York manakala 270 pemenang dari 33 negara lagi menerima anugerah tersebut di London.



ROSLAN AB. RAHMAN (kiri) menerima Anugerah Jenama Terbaik Tahunan daripada Richard Rowles di Kensington Palace, London baru-baru ini.

LAMPIRAN 5
NEWSTRAIT TIMES (BUSINES): MUKA SURAT 23
TARIKH: 9 NOVEMBER 2018 (JUMAAT)

WORLD BRANDING AWARDS

TNB is 'Brand of the Year' for second time

KUALA LUMPUR: Tenaga Nasional Bhd (TNB) has won "Brand of the Year" award for 2018-2019 under the power category at the prestigious World Branding Awards.

TNB had won the award for the first time in 2014, it said in a statement yesterday.

TNB chief corporate officer Datuk Wira Roslan Ab Rahman received the award from World Branding Forum chairman Richard Rowles at Kensington Palace, London, recently.

Winners are judged through three streams — brand valuation, consumer market research and public online voting. About 70 per cent of the scoring process comes from consumer votes.

"The award is a testament to the dedication and commitment of 35,000 employees who work hard in building and growing our brand.

"The award will drive us to work harder to strengthen the brand through the provision of the best customer and brand experience," said Roslan.

He said TNB was committed to creating a "better, brighter" future for the nation and people.

LAMPIRAN 6
HARIAN METRO (BUSINES): MUKA SURAT 39
TARIKH: 9 NOVEMBER 2018 (JUMAAT)

Kuala Lumpur

**TNB menang
Jenama Terbaik**

Tenaga Nasional Bhd (TNB) berjaya meraih anugerah Jenama Terbaik Tahunan bagi 2018 hingga 2019 dalam kategori tenaga bagi pemenang Malaysia pada anugerah berprestij Anugerah Penjenamaan Dunia.

TNB dalam kenyataan berkata, anugerah itu adalah kemenangan kedua mereka selepas membolot anugerah pertama pada 2014.

Ketua Pegawai Korporat Datuk Wira Roslan Ab Rahman menerima anugerah berkenaan daripada pengerusi World Branding Forum, Richard Rowles di Kensington Palace, London baru-baru ini.

Anugerah Penjenamaan Dunias adalah program pengiktirafan anugerah anjuran World Branding Forum.

Lebih 4,500 jenama dari 57 negara dicalonkan tahun ini, dengan 351 jenama dari 49 negara.

LAMPIRAN 7
NEWSTRAIT TIMES (BUSINES): MUKA SURAT 19
TARIKH: 9 NOVEMBER 2018 (JUMAAT)

MoU WITH NEXTGREEN

*New Straits Times
Friday
9/11/2018
Page 19
- BUSINESS*

JAPAN INVESTMENT BOOST

Nomura says RM700m for Green Technology Park is just the start

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MALAYSIA may see arguably the first Japanese investment in its private sector since Tun Dr Mahathir Mohamad took over as prime minister in May.

Nomura Holdings Inc may be looking to bring in an initial RM700 million, mainly from Japan, to the RM2 billion Green Technology Park in Pahang.

The company has signed a memorandum of understanding (MoU) with project owner



(From left) Nomura Asia infrastructure project office head Mitsutoshi Murakata, Nextgreen Global Bhd managing director Datuk Lim Thiam Huat and IHI Corp resources, energy and environment business area vice-president Hiroshi Ide exchanging documents after the signing of a memorandum of understanding in Kuala Lumpur yesterday. PIC BY MOHAMAD SHAHRIL BADRI SAALI

Nextgreen Global Bhd to explore investment opportunities in the technology park.

The collaboration also involves another Japanese firm, IHI Corp, which may provide major technology support to the project.

Nomura Asia infrastructure project office head Mitsutoshi Murakata said the RM700 million, earmarked for Phase 2A and Phase 2B, would only be a start and might increase in the future as it eyed further collaboration in the project.

"We will be looking at all types of investment instruments. It may include bonds and loans... We may be looking to provide in-

vestments beyond Phase 2A and Phase 2B," said Murakata after the MoU signing ceremony, here, yesterday.

Nextgreen managing director Datuk Lim Thiam Huat said the MoU, which was effective for one year, would facilitate a joint feasibility study on potential cooperation in the development of power generation and other facilities for the second and subsequent phases of the park.

Lim said via the tie-up, the park would have a positive economic, social and environment impact on Malaysia and the world, and allow Nextgreen to become a major player in the global green pulp and paper production market.

Phase 2A and 2B involve a factory with a capacity to produce 100,000 tonnes of box liner paper and 120,000 tonnes of corrugated paper.

Main industries in the park use green technology to convert oil palm empty fruit bunches into pulp and paper, box liner paper, corrugated paper and tissue paper.

During his third visit to Japan, Dr Mahathir had said the government was interested in seeing more Japanese investments in the country.