

**KERATAN AKHBAR-AKHBAR TEMPATAN**  
**TARIKH: 23 DISEMBER 2016 (JUMAAT)**

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# T'ganu spared from major floods

## State likely to get normal rainfall till March

By SHARANPAL SINGH RANDHAWA  
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**KUALA TERENGGANU:** No major floods are expected in Terengganu for the remainder of the monsoon season, said state Meteorological Department director Jenuwa Husin.

The weather forecast, he said, indicated isolated and relatively light rainfall until the end of the monsoon in March.

"We believe the state will get normal, average rainfall from now on," he told *The Star*.

He said there were small-scale floods in Kemaman, parts of Kuala Terengganu, Hulu Terengganu and other low-lying places last month.

This followed a heavy downpour for about eight hours on Nov 29.

Some 317 people had to be evacuated to five flood relief centres in Kemaman and Kuala Terengganu.

Jenuwa said Terengganu had been on high alert between Dec 13 and 22 following an earlier forecast of heavy rains and high tides of up to 3.5m in Kemaman.

Despite the good news, the state government and rescue agencies were not taking any chances.

State Civil Defence Force director Lt Col Che Adam A. Rahman said 3,000 personnel from various agencies were on standby.

He said flood simulation exercises had been carried out with the Fire and Rescue Department.

Rivers, irrigation canals and drainage systems had also been deepened and cleaned to mitigate the possibility of floods.

The first wave of floods in several states in the peninsula had receded, but wet weather due to the North-East Monsoon will persist for those living in the east coast.

**Science, Technology and Innovation Minister Datuk Seri Madius Tangau** said Kelantan, Terengganu, Pahang and eastern Johor were expected to get more than 500mm of rainfall this month.

At noon yesterday, the Malaysian Meteorological Department warned of widespread thunderstorms over waters off Terengganu and the Straits of Malacca.

It predicted strong winds reaching up to 50kph and waves as high as 3.5m.

At 3pm yesterday, the Department of Irrigation and Drainage issued a warning for those living in Kelantan.

Its official website, <http://publicinfobanjir.water.gov.my/> reported that Sungai Golok had exceeded its normal water level by almost a metre.

Earlier this month, more than 100 people in Perak and Kelantan were forced to evacuate their homes due to floods.



# 1,400 pelajar, murid terima sumbangan beg sekolah

**ALOR GAJAH 22 Dis.** - Talk Focus Sdn. Bhd. (Tron), sebuah syarikat telekomunikasi di ibu negara menyasarkan sejumlah 1,400 murid dan pelajar dari seluruh negara bakal menerima sumbangan dan bantuan persekolahan menerusi program #hadiahkasihsayang #bag2school yang dianjurkan syarikat itu sehingga tahun depan.

Menerusi program tanggungjawab sosial korporat (CSR) syarikat itu dengan kerjasama Lembaga Pelindung dan Kebajikan Pengguna Malaysia (LPKPM), sebanyak 100 pelajar sekolah rendah dan sekolah menengah di setiap negeri akan menerima sumbangan beg sekolah sebagai persediaan mereka untuk sesi persekolahan 2017.

Ketua Pegawai Eksekutif Tron, Datuk Seri Dr. Eric Yap berkata, sumbangan keseluruhan bernilai RM60,000 itu melibatkan tiga fasa bermula fasa pertama di Melaka diikuti Kelantan, Kedah dan Negeri Sembilan.

"Untuk fasa kedua dan ketiga, program ini akan diadakan di semua negeri selain fasa pertama di Semenanjung Malaysia seterusnya Sabah dan Sarawak pada Januari depan," katanya ketika ditemui pada majlis penyampaian sumbangan berkenaan di A Famosa Resort, Simpang Ampat di sini.

Pada majlis itu, **Timbalan Menteri Sains, Teknologi dan Inovasi, Datuk Dr. Abu Bakar Mohamad Diah** hadir menyampaikan sumbangan kepada 100



**ABU BAKAR MD. DIAH (kiri) berjabat tangan dengan Eric Yap sebagai simbolik perasmian program #hadiahkasihsayang #bag2school di Alor Gajah, Melaka, kelmarin. - UTUSAN/MOHD AZIM ABD RAHMAN**

pelajar dan murid sekolah di negeri ini serta 10 pelajar tingkatan tiga yang mencapai keputusan cemerlang dalam ujian Pentaksiran Tingkatan Tiga (PT3) yang diumumkan baru-baru ini.

Yang turut hadir, Timbalan Presiden dan Ketua Pegawai Eksekutif LPKPM, Dr. Lee Nan Sang; Presiden LPKPM, Datuk Seri Dr. Shaharuddin Awang Yahya dan Pengerusi Jawatankuasa Hal Ehwal Syarikat, Sumber Manusia dan NGO (Pertubuhan Bukan Kerajaan) negeri, Datuk M.S Mahadevan.

Menurutnya, program berkenaan bertujuan mengurang-

kan kos perbelanjaan yang ditanggung penjaga dan ibu bapa yang mempunyai bilangan anak ramai.

Sementara itu, Abu Bakar ketika berucap pada majlis itu menyambut baik usaha syarikat tersebut yang dapat mengurangkan bebanan ditanggung ibu bapa berpendapatan rendah.

Beliau berkata, langkah diambil Tron membantu masyarakat yang kurang berkemampuan amat dipuji tetapi pada masa yang sama, penerima perlu menanam sikap untuk berjaya suatu hari kelak untuk membantu golongan lain pada masa akan datang.



# CSM terima 3,612 aduan kes curi data peribadi

➔ Syor pusat koordinasi bersepadu  
kesan serangan siber lebih awal

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**S**ebanyak 3,612 aduan penipuan secara mencuri data sensitif termasuk phishing, menerusi pautan dalam talian, dilaporkan kepada CyberSecurity Malaysia (CSM) sejak awal tahun ini.

Insiden phishing berlaku apabila perisian virus jahat dihantar menerusi e-mel untuk mencuri maklumat peribadi mangsa seperti kata laluan, nama pengguna, nombor akaun atau data peribadi lain.

Naib Presiden Kanan Khidmat Tindak Balas CSM, Dr Aswami Arifin, berkata jenayah phishing sama

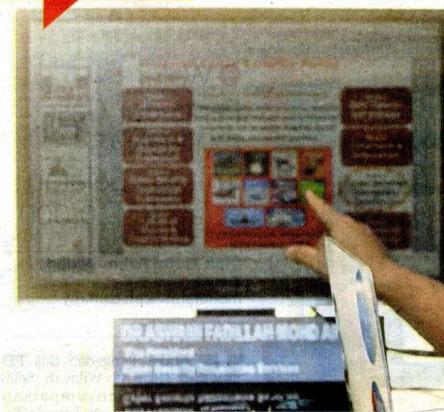
kaedah ransomware (pemerasan dalam talian) melalui emel yang ada pautan ke sesawang palsu bagi menghubungkan server penyerang dengan komputer mangsa.

Katanya, komputer mangsa yang mempunyai sistem pertahanan lemah, dijangkiti kod bahaya.

"Contohnya antara kegiatan phishing yang dikesan adalah menyamar sebagai wakil bank yang meminta maklumat peribadi termasuk kata laluan sistem perbankan atas talian.

"Ransomware adalah ancaman siber yang mustahil untuk dihapuskan dan data dikembalikan, berkemungkinan berupaya melakukan pemusnahan sendiri (self destruct) yang menyukarkan pencarian bukti forensik digital.

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di [www.bharian.com.my](http://www.bharian.com.my)  
untuk lebih gambar dan video



[FOTO MUHAMMAD ASYRAF SAWAL/BH]

Aswami menerangkan bagaimana maklumat peribadi dicuri daripada mangsa.

## Info

### Jumlah serangan botnet dilaporkan CSM

→ 2014: 775, 312 kes  
→ 2015: 719, 207 kes  
→ 2016: 762, 117 kes

### Insiden 2016

→ Lembah Klang: 496, 571 kes  
→ Johor: 92, 796 kes  
→ Perak: 72, 962 kes

### Pusat koordinasi

"Sehubungan adalah penting tindakan menghalang dibuat dengan cadangan mewujudkan satu pusat koordinasi bersepadu bagi mengesan awal sebarang serangan siber," katanya kepada BH.

Aswami berkata, menerusi cadangan itu, data mengenai ancaman botnet (penyerang siber yang mengambil alih rangkaian sistem komputer) dan sebagainya dapat dikongsi dengan lebih berkesan.

"Negara kita mesti memiliki sistem perkongsian maklumat ancaman siber yang baik, di samping proses penyelesaian bersepadu dan juga tenaga mahir diiktiraf peringkat antarabangsa.

"Bagaimanapun pusat koordinasi bersepadu hanya boleh dilak-

sanakan setelah undang-undang siber dipinda supaya semua pihak wajib memaklumkan insiden jenayah siber dan tindakan boleh diambil secepat mungkin.

"CSM dengan pengalaman lebih 20 tahun CSM mampu membantu jika kerajaan memberi mandat dan peruntukan yang sepatutnya," katanya.

Suruhanjaya Komunikasi dan Multimedia Malaysia (SKMM) baru-baru ini pula menyekat 1,573 laman sesawang yang digunakan untuk aktiviti phishing sejak tahun 2015 sehingga September lalu.

**Untuk komen**  
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atau di laman Facebook BH Online

**KERATAN AKHBAR**  
**THE STAR (NATION) : MUKA SURAT 16**  
**TARIKH : 23 DISEMBER 2016 (JUMAAT)**

## Fake news sites' main objective may be to steal personal data

**KUALA LUMPUR:** Be careful the next time you want to read a story with a headline that is too good to be true.

You may be exposing yourself to cybersecurity risks.

CyberSecurity Malaysia chief executive officer Datuk Dr Amirudin Abdul Wahab advised Internet users to think twice before visiting pages of fake news sites they see on social media as these

sites may be fishing for personal information.

"Some malicious code may be embedded in the fake news site," he said.

Users may even be asked to pro-

vide personal information or log in to their social media accounts to view pages on these fake news sites, exposing them to risks of having their data stolen to be used in phishing scams and cyber harassment.

The Government's Internet security agency said it received 93 reports of online hoaxes this year, although 88 of them simply involved social media accounts impersonating someone else.

# PUSHING SME PRODUCTIVITY

**INNOVATIVE SOLUTIONS:** Collaboration with Fraunhofer Institute to meet new industrial research demands



SIRIM Industrial Research vice-president **Ir Dr Mohamad Jamil Sulaiman**

## KUALA LUMPUR

**S**IRIM Bhd has been entrusted with the responsibility to be an innovation partner to small- and medium enterprises (SMEs), in a bid to enhance their productivity for greater innovation.

The agency under the Science, Technology and Innovation Ministry has been working hard to nurture a healthy ecosystem in the country to enable SMEs to reach their full potential.

This has led to its collaboration with Fraunhofer Institute, a leading German institute for applied research, in which the pact has reinforced SIRIM's

strengths to meet new demands on industrial research and technology development as mandated by the government.

SIRIM Industrial Research vice-president Ir Dr Mohamad Jamil Sulaiman said through the partnership, SIRIM will leverage on Fraunhofer network of institutes to increase technology uptake of SME with emphasis on joint research and technical services, exchange of personnel and information, strategic innovation studies, initialisation and implementation of research and development (R&D) projects.

The SIRIM-Fraunhofer programme consists of various sub-programmes and activities such as Technology Audit, Innovation Culture in SME, Inno-

vation Training, Nurture SME Growth and Industry-wide Solutions for Productivity Enhancement, which are implemented for targeted SMEs.

Technology Audit is one of the initiatives introduced under the implementation of Innovation Management. It refers to the process where a company is evaluated in terms of its technology management capability and capacity.

This initiative will look into how technology management activities of the SMEs are structured into defined processes, supported by suitable methods, skilled employees and an organisation and networking that supports collaboration.

The Fraunhofer framework has been

used to develop several technology assessment tools in other countries that have inspired SIRIM to adapt some of the tools to suit the needs of Malaysian SMEs.

Mohamad Jamil said SIRIM had developed SIRIM Innovation Model to assist SMEs in achieving increased productivity and sustainable growth through technology and innovation.

To summarise the above, Malaysian SMEs are encouraged to take part in the programme in order to reap the benefits of these endeavours.

Dr Jamil highlights the following three programmes as an inclusive strategy to ensure the productivity of SMEs can be improved and positioned to be more competitive.



## FORAYS INTO ENERGY EFFICIENCY, SOLAR PROCESS HEAT

**SIRIM** has taken a step towards enabling a full fledged approach to the potential of Solar Process Heat in Malaysia.

Recently, the agency has organised a capacity building action approach for the development of technologies and development of research and engineering competencies with the engagement and involvement of industrial partners in paving the way for the technological possibility.

Developed in cooperation with specialists from Fraunhofer Institute for Solar Energy, the action targeted a group of researchers, project and plant engineers and solar thermal technology suppliers, covering the entire spectrum of actors involved in the task of bringing these technological solutions to Malaysian industry.

It covers a comprehensive overview of suitable solar thermal technologies and solar system design and integration topics, as well as using "Pinch Analysis" as a tool for the priority exploitation of energy efficiency measures.

The International Energy Agency's outlook on Final Energy Consumption (FEC)



**Concentrated solar power plant for food and beverage industry in Switzerland.**

show that, as of 2013, heat related FEC in industry (excluding electricity consumption) stands for 23.5 per cent of the overall FEC worldwide, exceeding the overall total consumption by more than 20 per cent.

Even if heat consumption in industry is often overlooked and related to large size plants in the energy-intensive sectors (Pulp & Paper, Chemical & Petrochemical, Non-metallic Minerals and Iron & Steel), 48 per cent of heat is still consumed in non-energy-intensive sectors such as food & beverage, machinery or textile sectors.

With solar thermal technologies available for heat supply suiting the requirements of industrial processes in a range of 50°C to more than 250°C, solar process heat can play a role in this decarbonisation path.

Considering the potential for the integration of endogenous renewable resources in the energy supply to industry, solar energy appears, beside biomass, as an important resource to the decarbonisation of the Malaysian industrial sector.

**KERATAN AKHBAR**  
**NEW STRAITS TIMES : MUKA SURAT B3**  
**TARIKH : 23 DISEMBER 2016 (JUMAAT)**





**KERATAN AKHBAR  
NEW STRAITS TIMES : MUKA SURAT B3  
TARIKH : 23 DISEMBER 2016 (JUMAAT)**

**SIRIM** is offering Eco-Industrial Design Services as a cross-cutting enabler to drive the manufacturing and service sectors towards sustainability and global competitiveness.

Although Eco-Innovation is not part of the SIRIM-Fraunhofer programme directly, it is, however, linked through the internalisation of products under the SIRIM-Fraunhofer initiatives.

SIRIM Industrial Research vice-president Ir Dr Mohamad Jamil Sulaiman said the services was to help SMEs to move up the design and manufacturing value chain by providing affordable services in the areas of conceptual and eco-design developments as well as prototyping services.

"Eco-Innovation is about trying to achieve zero waste in manufacturing; re-

ducing the carbon footprint. When eco-designing, we think of the ease of manufacture, assembly and maintenance – incorporating the environment in the design 'from cradle to grave'," he said.

Eco-Innovation is an initiative that aims to incorporate economic, social and environmental targets into the companies' business strategies.

It works to expand the boundary of innovation to ensure that the environmental benefits reaped come together with economic benefits.

SIRIM started this initiative and is currently working with international bodies

such as the United Nations Environmental Program and ASEM SMEs Eco-Innovation Centre in South Korea.

According to Mohamad Jamil, SIRIM's Eco-Innovation initiative complemented the government's efforts of achieving sustainable development that would translate into a low carbon economy.

This, he said, was in line with the 11th Malaysia Plan (2016-2020) to "pursue green growth for sustainability and resilience".

SIRIM's Eco-Innovation helps in enhancing business performance of companies through its services that covers renewable

energy, advanced energy storage, resource efficiency, bio-based materials and products, and pollution abatement.

Mohamad Jamil said SIRIM was encouraging more companies to be Original Design Manufacturers as there was reliable support from the agency in developing new technologies and products.

"The Eco-Innovation Design Centre in SIRIM works with companies on designing of their products from the ideation stage where the Life Cycle Assessment determines how the product in terms of materials for instance, will impact the environment," he said.

From the business point of view, eco-labelling certification will help to educate and inform the public that the product is eco-friendly.

Certification in this way will help open up new markets for the product. Once certified, these products can then participate in green procurement tenders for the products to be procured, said Mohamad Jamil.

"This is what the Eco-Innovation initiative aims to achieve – green businesses upstream and downstream – to ensure synergy in terms of the economy and environment."

## CREATING WEALTH THROUGH ECO-INNOVATION

**KERATAN AKHBAR**  
**THE STAR (NATION) : MUKA SURAT 24**  
**TARIKH : 23 DISEMBER 2016 (JUMAAT)**



**Wet jam:** The flash flood at the third kilometre of the BKE after heavy rain in Seberang Jaya.

## Highway submerged in high waters

**BUTTERWORTH:** An hour-long torrential downpour brought traffic along the Butterworth-Kulim Expressway to a halt, which saw about 100m of the expressway submerged.

The downpour started at 3pm and several cars were caught in the flash flood.

The flood waters failed to recede by the time the evening rush hour started, causing a jam stretching for several kilometres.

A check with the Meteorological Department showed that daily afternoon showers were forecast in the state until Wednesday.