

**KERATAN AKHBAR-AKHBAR TEMPATAN**  
**TARIKH: 24 OKTOBER 2016 (ISNIN)**

<b>Bil</b>	<b>Tajuk</b>	<b>Akhbar</b>
1.	From 'Destroyer' to Inventor	The Star
2.	Take advantage of innovations, says Madius	The Star
3.	DPM: Flood awareness must be increased	The Star
4.	Syarikat Malaysia berpotensi terajui teknologi nano	Berita Harian
5.	KAGAT terima pengiktirafan keempat ISO 9001: 2008	Harian Metro
6.	Malaysia bakal jadi hab perubatan biologik ASEAN	Utusan Malaysia

## FROM 'DESTROYER' TO INVENTOR



**Ecstatic:** A beaming Alif Imran posing with his award and trophy during the National Innovation Award (AIN) 2016 gala night.



**Solving water woes:** (From left) Teng explaining how her water filter works to Madius, his deputy Datuk Dr Abu Bakar Mohamad Diah and Mostri Services and Development secretary Lailah Mohd Che Darus when they visited her booth.

By ROYCE TAN  
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**KUALA LUMPUR:** As a kid, Alif Imran Zabri was always scolded by his father for being a "destroyer" who often dismantled household items and had no clue on how to put the pieces back together.

His curiosity led him to create new inventions. Now a Form Five student, he was crowned the winner in the school category of the **National Innovation Award (AIN) 2016**.

The MRSM Taiping student's brainchild is the "Float Over" or FO-ver, a road pole to warn motorists of floods.

"There were many cases of flash floods, especially in Kuala Lumpur, causing accidents and stalled vehicles."

"I wanted to invent something that can warn motorists and help them avoid badly flooded roads," the 17-year-old said.

Alif Imran took two months to brainstorm before putting together a prototype.

"This is also an SPM project for my invention subject and coincidentally, the theme for the subject this year is flooding," he said.

Flood is a problem close to Alif Imran's heart since his encounter with one of the country's worst floods in Kelantan in 2014.

He said his family was on a holiday to Kelantan when he saw a lot of cars stalled in Bandar Permaisuri, Terengganu, and thought something preventive could be done.

"The FO-ver has three main cylinders arranged like a Russian nesting doll. It will rise as the water level goes up, and the LED lights on top of the FO-ver will also come on to warn motorists."

The curiosity that got Alif Imran into trouble as a child has now led to an award-winning innovation to help others.



**Creative concept:** (From second left) Datuk Dr Abu Bakar Mohamad Diah and Madius taking a closer look at the FO-ver project by MRSM Taiping students (from right) Amirul Haiqal Rosli An-nur, 16, Alif Imran, Muhi Farris Zamri, 16, and Ameersyazli Asmadi, 17, during the closing ceremony of the National Innovation Award (AIN) 2016.

"The depth of the water, in metres, will also be shown on the body of the FO-ver," Alif Imran said.

He received RM10,000 and a trophy for his innovation from Science, Technology and Innovation Minister Datuk Seri Madius Tangau during the AIN 2016 Gala Night recently.

Alif Imran said that he wished to study automotive engineering in Japan.

In the grassroots category, 44-year-old housewife Teng Yu-Mein took the accolade with her innovation, the Efinity EZ Water Filter system, a kit that requires no tap pressure or electrical pump to filter water.

It uses a bicycle air pump to pump dirty water through a filter cap to get clean water.

Teng said she had a light-bulb moment when using a water spray while ironing clothes at home.

"I was thinking about the orang asli communities that I was helping. They do not have clean water and electrical supply," she said.

Teng took home RM20,000 and a trophy.

She had earlier taken part in the Mainstreaming Grassroots Innovations (Magris) by the Malaysian Foundation for Innovation, where the coaches helped her fine-tune her idea.

She won in the finals and received RM30,000 to come up with a prototype and to carry out testings.

"This product can help many people from the rural areas. I conducted a survey with the orang asli villages and they find the water filter really helpful," said Teng, adding that she currently has five prototypes in Kampung Gebok in Mantin, Negri Sembilan, Kampung Batu 16 in Gombak, Selangor, and a village in Bidar, Perak.

Other AIN winners were Brig Jen Dr Roza Anon Mohamad Ramlee from the Malaysian Armed Forces Dental Services in the service category for her innovation - Portable Dental Treatment Unit Compact and Tough (CAT) - and the National Hydraulics Research Institute of Malaysia's Prof Dr Nasehir Khan E. M. Yahaya in the product category for the Nahrin Integrated Drainage System.

They won RM50,000 each.

The AIN is an annual event by the Science, Technology and Innovation Ministry since 2006 to recognise local inventors who create products or services with their creativity and innovation.

Madius said Mosti would assist the winners to commercialise their innovation by advising them on copyrights and patents application.



## Take advantage of innovations, says Madius

**KUALA LUMPUR:** Malaysians should equip themselves and take advantage of innovations in the new era as the country approaches the Fourth Industrial Revolution, said Science, Technology and Innovation Minister Datuk Seri Madius Tangau.

He said Malaysians should keep abreast to face an era where cyber-physical technology fusion would depend on more advanced technologies such as nanotechnology, robotics, Internet of things (IoT), and BigData.

"To achieve a digital economy, the planning and action to face this technology revolution

must be integrated and comprehensive, involving all stakeholders.

"In ensuring our country's success, we have to look at the progress of countries like Germany, Sweden, Switzerland and Japan that use innovation as one of their ongoing agendas in their economic development.

"I urge all parties to be involved in the innovation 'mantra' as the main agenda through conducive environment and facilities," he said at the National Innovation Award Gala Night recently.

Madius said his ministry had always

encouraged involvement of all parties to ensure the implementation of macro and sectoral science, technology and innovation policies (STI) was done in an inclusive and integrated manner.

"The Government is in the final planning stage to set up a Research Management Agency to coordinate all research and development (R&D) and commercialisation activities.

"This will definitely give a bigger impact on the country's R&D and C&I (commercialisation and innovation) agenda for a long term.

"At the ministry's level, a National STI Master Plan is being drafted to provide a new direction for the medium and long term. This will ensure that the country's STI ecosystem will be centred on the convergence of manpower and resources," Madius said.

He said he was confident that the master plan had taken into consideration the balance of the country's resources.

The culture of innovation could be implemented extensively starting from the school level right up to the industry players in various sectors, he said.

## DPM: Flood awareness must be increased

**KEMAMAN:** Despite having gone through past experiences of losing lives and being stranded, the people's awareness about floods is still not up to par.

In saying this, Deputy Prime Minister Datuk Seri Dr Ahmad Zahid Hamidi said that on a scale of one to 10, he would rate the awareness level as five.

"The awareness level must be increased. The public should be well prepared for any eventuality and adhere to evacuation orders.

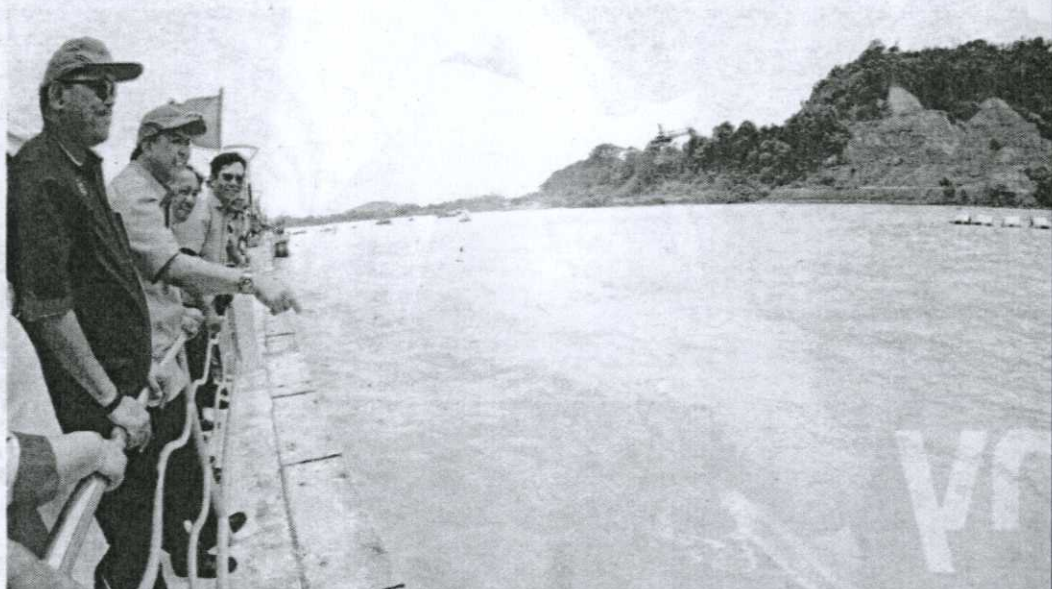
"They should cast aside their wait-and-see attitude, take up an active role instead of leaving everything to the authorities.

"In the case of Nadma (National Disaster Agency) and other agencies such as the Civil Defence, police, Fire and Rescue Department, army, air force and Rela, they are all 100% ready," he said after launching the 2016 National Preparedness Month here yesterday.

Dr Ahmad Zahid, who is also Nadma chairman, said these agencies have done a good job over the years and in terms of allocations, the Federal Government had set aside enough funds for purchase of assets during operations.

He said the aim of the programme was to create awareness and inculcate the culture of being ready during disasters, especially floods.

Earlier in his speech, Dr Ahmad Zahid urged those living in flood-prone areas to monitor the weather forecast and warnings issued by the **Meteorological Department**.



**Working together:** (From left) Shahidan, Dr Ahmad Zahid and Kemaman MP Datuk Seri Ahmad Shabery Cheek sharing a light moment after the launch of the 2016 National Preparedness Month in Kemaman. — Bernama

"This is the right attitude which will enable us to be prepared for any eventuality, including evacuation," he said.

Dr Ahmad Zahid said the "Kemaman Template" was now used as an example for the entire nation and had received international recognition.

"In 2013 and 2014, Kemaman was badly hit by floods. Many properties were damaged.

"But last year, by using this template, damages were minimised and victims were evacuated early," he said.

National Security Council chairman Datuk Seri Shahidan Kassim, in his speech, said Nadma was using a new approach of evacuating victims before a flood occurred.

Shahidan said countries like Japan only used about 10 boats to monitor the situation and not for

the purpose of evacuating residents.

"This is what we want. Residents can be evacuated early so that they are safe and minimum assets are needed to be deployed out during floods," he said.

Watch the video  
[thestartv.com](http://thestartv.com)





# Syarikat Malaysia berpotensi terajui teknologi nano

➔ Negara miliki kelebihan sumber  
alam bangunkan produk komersial

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**S**yarikat Malaysia berpeluang besar untuk bersaing dan menjadi peneraju global dalam teknologi nano dengan memanfaatkan kepakaran dan sumber alam yang ada di negara ini.

Ketua Pegawai Eksekutif NanoMalaysia

sia Bhd, Dr Rezal Khairi Ahmad, berkata buat masa ini belum ada lagi negara yang benar-benar boleh dianggap sebagai peneraju dalam bidang berkenaan.

Justeru, katanya, setiap negara kini mempunyai peluang saksama dalam pembangunan teknologi termaju itu yang bakal menjadi pemacu kepada revolusi perindustrian keempat dengan menyaksikan benda, peralatan atau gajet boleh berhubung sesama sendiri. **Lihat Ms.B2**

Rezal Khairi Ahmad,  
Ketua Pegawai Eksekutif  
NanoMalaysia Bhd

## Anjur forum tingkat kesedaran kepentingan teknologi nano

◀ Dari Ms.B1

"Perkembangan revolusi perindustrian bermula dengan penjaan tenaga menerusi wap yang mengubah cara produk dihasilkan, diikuti penggunaan elektrik untuk mengeluarkan produk secara besar-besaran, seterusnya menerusi teknologi maklumat, elektronik dan robotik. Kini, ia berkembang menerusi teknologi nano untuk menghubungkan dunia siber dengan dunia fizikal.

"Malaysia mempunyai kelebihan dari segi sumber alam untuk dibangunkan sebagai produk berasaskan teknologi nano. Sebagai contoh, sekam padi boleh digunakan untuk menghasilkan silika nano yang boleh digunakan untuk menguatkan tayar kenderaan, untuk rawatan air dan farmaseutikal," katanya kepada BH ketika ditemui di Kuala Lumpur, baru-baru ini.

Rezal Khairi berkata, kini ini ada 30 syarikat tempatan terabit dalam program fasilitasi untuk mengkomersialkan produk menggunakan teknologi nano memabitkan industri getah, plastik, elektrik dan elektronik, penyimpanan tenaga atau bateri dan bendalir nano.

Beliau berkata, setakat ini enam syarikat akan menyiapkan pembangunan produk pada Disember depan, sementara beberapa lagi syarikat tahun depan.

### Produk dilancar tahun depan

"Satu produk akan dilancarkan secara komersial pada Mac tahun depan. Produk itu adalah bendalir nano," katanya.

Mengenai usaha meningkatkan kesedaran mengenai kepentingan teknologi nano di Malaysia, Rezal Khairi berkata, NanoMalaysia bekerjasama dengan firma perunding dan penyelidik global, Lux Research, Inc. untuk menganjurkan Forum Lux Research-NanoMalaysia 2016 di Kuala Lumpur, hari ini.

Forum itu, katanya, akan menjadi platform kepada peserta industri, penyelidik dan pembuat dasar di negara ini bertemu dan menjalin kerjasama serta mendapat gambaran jelas mengenai kepentingan teknologi nano sebagai pemacu resolusi perindustrian keempat.

"Kami berharap peserta industri, penyelidik dan pembuat dasar yang menghadirinya untuk menjalin kerjasama dalam menghasilkan produk berasaskan teknologi nano.

"Secara meluas, forum ini akan membincangkan dalam pembangunan teknologi dalam empat sektor utama iaitu elektronik, makanan dan pertanian, tenaga dan persekitaran serta perubahan dan penjagaan kesihatan," katanya.

**KERATAN AKHBAR**  
**HARIAN METRO (TENGAH) : MUKA SURAT 41**  
**TARIKH: 24 OKTOBER 2016 (ISNIN)**

**KAGAT terima pengiktirafan keempat ISO 9001: 2008**

Jabatan Arah Kor Agama Angkatan Tentera (KAGAT) menerima pengiktirafan keempat Persijilan ISO 9001:2008 oleh pihak SIRIM QAS International Sdn Bhd.

Penyerahan sijil itu disempurnakan Ketua Seksyen SIRIM QAS International, Zakaria Mohamad Nor kepada Ketua Pengarah KAGAT, Mejar Jeneral Datuk Kamarudin Mamat dan disaksikan Timbalan Panglima Tentera Darat Leftenan Jeneral Datuk Seri Panglima Ahmad Hasbullah Mohd Nawawi bertempat di Wisma Pertahanan di sini.

Menurut kenyataan semalam, sijil dikeluarkan SIRIM QAS International Sdn Bhd. itu adalah bagi memastikan semua aspek Pengurusan Pendidikan dan Perkhidmatan Keagamaan Angkatan Tentera Malaysia (ATM) dan Pengurusan Sumber Manusia KAGAT memenuhi keperluan Sistem Pengurusan Kualiti ditetapkan.

"Sel Inspektorat/Pembangunan dan Penyelidikan (R&D) dipertanggungjawabkan untuk memastikan



**ZAKARIA (kiri) menyerahkan sijil ISO 9001 : 2008 kepada Kamarudin (kanan).**

pawaian itu dipatuhi oleh semua sel di Jabatan Arah KAGAT.

"Timbalan Panglima Tentera Darat juga menyempurnakan pelancaran Sistem Information System for Ahwal Syakhshiah (iSAS) yang dibangunkan oleh Jabatan Arah KAGAT pada Majlis Sambutan Maal Hijrah Peringkat ATM 1438H/2016M, baru-baru ini," katanya.

Difahamkan, Sistem i-SAS adalah sistem laporan nikah, cerai, aduan dan ru-

juk (NCAR) ATM yang dibangunkan Jabatan Arah KAGAT dalam usaha mempercepatkan sistem penyampaian maklumat, sistem data-base, mengurangkan bebanan tugas staf agama di pasukan dan mengurangkan penggunaan kertas.

"Sistem iSAS dibangunkan bagi menggantikan laporan berkaitan NCAR secara manual kepada kaedah laporan secara dalam talian sesuai dengan perkembangan teknologi maklumat masa kini," katanya.



**KERATAN AKHBAR**  
**UTUSAN MALAYSIA (DALAM NEGERI) : MUKA SURAT 4**  
**TARIKH: 24 OKTOBER 2016 (ISNIN)**

## Malaysia bakal jadi hab perubatan biologik ASEAN

**TEHRAN, IRAN 23 Okt.** - Kerjasama strategik antara **Inno Biologics Sdn. Bhd. (Inno Bio)** dan syarikat dari republik ini, Aryogen Pharmed Co. dalam pertukaran teknologi mampu menjadikan Malaysia sebagai hab perubatan biologik di rantau ASEAN.

Pengerusi usahasama tersebut, Datuk Dr. Ahmed Tasir Lope Pihie berkata, ketika ini terdapat empat jenis teknologi ubat yang dibangunkan di Iran akan dibawa masuk ke Malaysia dalam tahun ini iaitu Rituximab, Trastuzumab, Factor VII dan

Etanercept.

Katanya, Inno Bio juga akan membawa masuk empat lagi ubat dalam tahun depan.

"Kita melihat Iran sebagai sebuah negara berpotensi dalam bidang ini. Berbeza dengan negara-negara maju, teknologi pembangunan perubatan di sini adalah berpatutan dan berprospek tinggi.

"Penarikan sekatan terhadap republik ini pada Januari lalu juga membuka ruang untuk kita mempertingkatkan kerjasama strategik dalam bidang ini," katanya kepada *Utusan Malaysia*

di sini hari ini.

Rituximab digunakan untuk rawatan leukemia, Trastuzumab untuk rawatan kanser payudara manakala Factor VII untuk rawatan masalah darah dan Etanercept untuk masalah sendi.

Kerjasama antara Inno Bio dan Aryogen Pharmed Co. bidang teknologi perubatan biologik telah dimeterai pada Disember 2014.

Perkongsian itu membolehkan beberapa siri pertukaran teknologi di kemudahan farmaseutikal milik Inno Bio di Putra Nilai, Malaysia. - **UTUSAN**