

**KERATAN AKHBAR-AKHBAR TEMPATAN**  
**TARIKH: 3 NOVEMBER 2017 (JUMAAT)**

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## 4IR Perlukan Lebih Banyak Pelaburan Untuk Latih Tenaga Kerja Masa Depan -- Madius

Tarikh kemaskini: 02/11/2017

PUTRAJAYA, 2 Nov (Bernama) -- Ketibaan Revolusi Perindustrian Keempat (4IR) memerlukan lebih banyak pelaburan dalam melatih tenaga kerja masa depan, terutamanya dalam sains, teknologi, kejuruteraan dan matematik, kata **Menteri Sains, Teknologi dan Inovasi, Datuk Seri Wilfred Madius Tangau.**

Madius berkata memiliki teknologi terbaik atau sambungan Internet terpantas tidak bermakna sekiranya negara tidak mempunyai tenaga kerja yang sesuai untuk mengendalikannya.

Beliau berkata tenaga kerja 2050 akan dibentuk oleh Generasi Z hari ini, pasca millennial dan alfa generasi terdiri daripada mereka yang lahir daripada tahun 2010 dan seterusnya.

"Apabila mereka memasuki sektor tenaga kerja, kognisi ruang, robotik dan kecerdasan buatan akan menjadi perkara biasa.

"Bagi memastikan kita tidak ketinggalan, kualiti dan kuantiti tenaga kerja yang betul perlu dibangunkan dan digunakan dengan efektif," katanya pada majlis pembukaan Forum ASEAN 2050: Revolusi Perindustrian Keempat, di sini, hari ini.

Dalam konteks ASEAN, Madius berharap negara-negara anggota juga boleh berkongsi visi mereka ke arah 2050, yang boleh menjadi asas bagi membentuk visi jangka panjang persatuan itu.

"Dalam semangat ini saya berharap kita boleh membentuk ASEAN Foresight Alliance bagi menerajui inisiatif ini," katanya.

Melangkah ke hadapan bersama-sama, Madius berkata, anggota ASEAN perlu menyedari bahawa sains, teknologi dan inovasi (STI) adalah pemacu kepada ekonomi baharu.

"STI merangsang pewujudan perniagaan baharu, pekerjaan baharu dan memacu produktiviti, pada kadar dan skala yang belum pernah berlaku sebelum ini.

"Potensi masa depan adalah penting. Sekiranya kita berjaya, ASEAN akan mempunyai masa depan yang cerah," katanya.

Semasa acara itu, Madius juga melancarkan laporan, 'Envisioning Malaysia 2050: A Foresight Narrative', yang dikeluarkan oleh Akademi Sains Malaysia..

Laporan itu bertujuan menyediakan input ke arah membina visi strategik bagi Malaysia ke arah 2050.

BERNAMA





## **Mosti urges scientists to focus on energy, climate change, medicine**

**PUTRAJAYA:** The Ministry of Science, Technology and Innovation (Mosti) urges scientist to further study on the topic of energy, climate change and medicine.

Its Minister, Datuk Seri Wilfred Madius Tangau, said this area is a key for Malaysia to become one of the top 20 nations by 2050.

"The government is now critically looking to expand the people's awareness, skill set and knowledge in order for us to achieve the TN50 (National Transformation 2050).

"I am very happy that our scientists have played an active role in the international community, and what we need more now is to expand our studies on the energy, climate change and medicine area," Tangau said during the Conferment of the Academy of Sciences Malaysia (ASM) fellowship and announcement of ASM Top Research Scientists Malaysia held at Putrajaya Marriot Hotel here today.

He added this was among the areas that developed countries such as Japan and China are currently studying.

Meanwhile, ASM has conferred 26 professors with its fellowship and one as a senior fellow.

Fellows are nominated by ASM Fellows and through a stringent vetting exercise and are then recommended to the ASM annual general meeting to be selected as new Fellows.

Currently, ASM Fellowship stands at 326 Fellows which includes 28 Senior Fellows.

ASM is a body established by the government by an Act of Parliament its main function is to be the nation's "Thought Leader" for matters related to science, engineering, technology and innovation.

The Senior Fellow was awarded to academician Tan Sri Ahmad Tajuddin Ali in recognition of his leadership and perseverance in strengthening the field of science, engineering and technology.

The event also witnessed the announcement of the Top Research Scientists Malaysia (TRSM) 2017 to 13 recipients.

This brings the total to 113 of TRSM since its introduction in 2010.

TRSM is an initiative, by ASM that recognises leading Malaysian research scientists who are active in research and development and translate their research into meaningful and impactful outcomes that significantly contribute to the nation's socio-economic transformation.

Among the TRSM winners are Asst Prof Dr Cheah Yoke Kqueen from Universiti Putra Malaysia, Prof Dr Cheong Sok Ching from Cancer Research Malaysia and Prof Dr Mohd Azlan Hussain from University of Malaya.



## **Industrial Revolution 4 requires more investments to nurture workforce of the future: Madius**

**PUTRAJAYA:** The arrival of the Fourth Industrial Revolution (4IR) requires more investments in nurturing the workforce of the future, particularly in science, technology, engineering and mathematics, said **Science, Technology and Innovation Minister Datuk Seri Wilfred Madius Tangau.**

Madius said having the best technologies or the fastest Internet connection would be meaningless if the country did not have the right talent to harness them.

He said the workforce of 2050 would be made up of today's Generation Z, the post-millennials and generation alpha comprising those born from 2010 onwards.

"When they enter the workforce, spatial cognition, robotics and artificial intelligence would be common place.

"To ensure that we will not get lost in trail of followers, the right quality and quantity of talent must be engaged, developed and deployed effectively," he said at the opening of Asean 2050 Forum: Fourth Industrial Revolution here today.

In the context of Association of South-East Asian Nations (Asean), Madius hoped that member countries could also share their visions towards 2050, which could be a basis to shape the association's long-term vision.

"In this spirit I hope we can form an Asean Foresight Alliance to spearhead this initiative," he said.

Moving forward together, Madius said, Asean members must realise that science, technology and innovation (STI) are the drivers of the new economy.

"STI spurs the creation of new businesses, new jobs and drives productivity, at a pace and on a scale that are unprecedented.

"The future potential is significant. If we get it right, Asean will have a bright future," he said.

During the event, Madius also launched a report, 'Envisioning Malaysia 2050: A Foresight Narrative', produced by the Academy of Sciences Malaysia.

The report aims to provide input towards building a strategic vision for Malaysia towards 2050. — *Bernama*





## **Wilfred: TN50 can be realised with strong foundation in science and technology**

KUALA LUMPUR: Malaysians must be aware that science and technology is the foundation and the backbone behind the rise of the Fourth Industrial Revolution (4IR) said Datuk Wilfred Marius Tangau.

The **Science, Technology and Innovation Minister** said this in his address at the Asean 2050 forum on the 'Fourth Industrial Revolution'.

"In Professor Klaus Schwab's (founder and executive chairman of the World Economic Forum) book on the 4IR, we were told this revolution would be fundamentally different from the previous three and characterised by the advances and convergence of technology.

Acknowledging the acceleration of change that is happening in the 4IR and with rapid disruption to industries globally, Wilfred said there is a need to invest in nurturing the workforce of the future.

"The workforce in 2050 will be made up of today's Generation Z and Generation Alpha.

"Young people are open to change and are prepared to embrace the idea of on-demand learning and personal flexibility but they must be properly facilitated and nurtured.

"Most to the jobs awaiting them have yet to exist. When they enter the workforce, spatial cognition, robotics and artificial intelligence would be common place," he said.

He added harnessing these talents is important, as technology is a defining factor of the Generation Z and Alpha.

"Malaysia is currently embarking on our National Transformation 2050 (TN50) initiative, to plan for the future of the country in the 2020 to 2050 period.

"In order to develop this 30 years plan, we are trying to do it differently. We will be developing it using the bottom up approach, that the government is here to listen to the people's aspiration and to prepare the country and the future in order to achieve them," he said.

Wilfred added that Generation Alpha has been predicted to be the most formally educated generation, the most technology supplied generation, and with the greatest wealth at their disposal.

"The world has started to shift from the traditional economy to the new economy and is no longer dependent on resources but on knowledge.

"The key is in developing creative thinking skills and applying to problem solving and innovation.

"Particularly talents must be developed in areas such as science, technology, engineering and mathematics (STEM).

Wilfred had in closing said he hopes Asean member countries could also share their vision towards 2050.

"This can be a basis to shape Asean's long term vision beyond 2025. In this spirit, I hope we can form an Asean Foresight Alliance to spearhead this initiative.

"The future potential is significant. If we get it right, Asean will have a bright future, but to achieve it, we must strengthen leadership" he said.



## 4IR Requires More Investments To Nurture Workforce Of The Future - Madius

Last update: 02/11/2017

PUTRAJAYA, Nov 2 (Bernama) -- The arrival of the Fourth Industrial Revolution (4IR) required more investments in nurturing the workforce of the future, particularly in science, technology, engineering and mathematics, said **Science, Technology and Innovation Minister Datuk Seri Wilfred Madius Tangau**.

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In the context of Association of South-East Asian Nations (ASEAN), Madius hoped that member countries could also share their visions towards 2050, which could be a basis to shape the association's long-term vision.

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Moving forward together, Madius said, ASEAN members must realise that science, technology and innovation (STI) are the drivers of the new economy.

"STI spurs the creation of new businesses, new jobs and drives productivity, at a pace and on a scale that are unprecedented.

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-- BERNAMA



**KERATAN AKHBAR**  
**NEW STRAITS TIMES : MUKA SURAT 7**  
**TARIKH : 3 NOVEMBER 2017 (JUMAAT)**

*Congratulations*



**Thank you**

**YB Datuk Seri Panglima Wilfred Madius Tangau**

Minister of Science, Technology and Innovation  
for gracing the

**CONFERMENT OF FELLOWSHIP OF THE ACADEMY OF SCIENCES MALAYSIA & ANNOUNCEMENT OF THE TOP RESEARCH SCIENTISTS MALAYSIA (TRSM) 2017**  
on 2 November 2017

Senior Fellow Academician Tan Sri Datuk Dr Ir Ahmad Tajuddin Ali FASc

**New Fellows (Medical and Health Sciences Discipline)** • Professor Datuk Dr A Rahman A Jamal FASc, Professor Dr Lim Shen-Yang FASc, Professor Dr Shamala Devi K.C. Sekaran FASc, Professor Dr Thong Meow Keong FASc, Professor Dr Tunku Kamarul Zaman Tunku Zainol Abidin FASc, Professor Dr Yvonne Lim Ai Lian FASc • **(Engineering and Computer Sciences Discipline)** • Professor Dr Azmi Mohd Shariff FASc, Dr Leong Kok Hoong FASc, Professor Dato' Ir Dr Mohd Saleh Jaafar FASc, Professor Ir Dr Ramesh Singh Kuldip Singh FASc, Ir Dr Zuhairi Abd Hamid FASc, • **(Biological, Agricultural and Environmental Sciences Discipline)** • Associate Professor Dr Chan Kok Gan FASc, Professor Dr Mohd Hair Bejo FASc, Emeritus Professor Dr Nor Muhammad Mahadi FASc, Professor Dr Rofina Yasmin Othman FASc, Professor Dr Sheila Nathan FASc • **(Mathematics, Physics and Earth Sciences Discipline)** • Professor Dr Faizd Abd Rahman FASc, Professor Dr Md Rahim Sahar FASc, Professor Dr Mohd Salmi Md Noorani FASc • **(Chemical Sciences Discipline)** • Brig. General Datuk Emeritus Professor Dr Kamarudin Hussin FASc, Datin Dr Sri Nurestri Abd Malek FASc • **(Science & Technology Development and Industry Discipline)** • Dr Ahmad Kushairi Din FASc, Dato' Dr Jataluddin Harun FASc, Emeritus Professor Datuk Dr Shad Saleem Faruqi FASc, Emeritus Professor Dato' Dr Siti Zuraina Abdul Majid FASc & Dr Zainal Ariffin Ahmad FASc.



**Top Research Scientists Malaysia**

Associate Professor Dr Cheah Yoke Kqueen, Professor Dr Cheong Sok Ching, Professor Dr Chua Kek Heng, Ir Dr Leong Wai Yie, Professor Mohamed Ridza Wahiddin, Professor Ir Dr Mohd Azlan Hussain, Professor Ir Dr Mohd Nordin Adlan, Professor Dr Mohd Rafii Yusop, Associate Professor Dr Mohd Yunus Abd Shukor, Professor Dr Nor Hadiani Ismail, Professor Dr Shaliza Ibrahim, Professor Dr Yeap Guan Yeow & Professor Dr Zainal Arifin Ahmad.





## Kastam Tahan Lelaki Bawa Dadah Bernilai RM900,000 Di KLIA

Tarikh kemaskini: 02/11/2017

NILAI, 2 Nov (Bernama) -- Cubaan seorang lelaki tempatan menyeludup masuk 20 kilogram dadah jenis ketamine bernilai RM900,000 gagal apabila ditahan oleh anggota Cawangan Narkotik Jabatan Kastam Diraja Malaysia (JKDM) di Lapangan Terbang Antarabangsa Kuala Lumpur (KLIA), bulan lepas.

Timbalan Ketua Pengarah Kastam (Penguatkuasaan dan Pematuhan), Datuk Zulkifli Yahya berkata dadah berkenaan dalam dua bungkusan ditemukan disorok di dalam bagasi milik lelaki berusia 37 tahun itu selepas tiba dari Mumbai, India, pada kira-kira 10.45 pagi, 13 Okt lepas.

"Hasil pemeriksaan ke atas suspek menjumpai dua bungkusan mengandungi serbuk berwarna coklat di dalam bagasinya dan suspek mendakwa serbuk tersebut adalah serbuk kunyit yang dibeli dari sebuah pasar raya di India untuk dijadikan sebagai bahan campuran untuk menghasilkan minuman kesihatan," katanya kepada pemberita di sini hari ini.

Hasil ujian saringan awal **Jabatan Kimia** mengesahkan sampel serbuk berwarna coklat itu adalah dadah ketamine, katanya.

Zulkifli berkata suspek, seorang pemilik pusat karaoke, turut didapati positif dadah dan sedang dalam tahanan reman sehingga Isnin depan.

"Siasatan juga sedang dijalankan sama ada suspek ini keldai dadah atau bukan," katanya.

Kes disiasat di bawah Seksyen 39B Akta Dadah Berbahaya 1952, dan jika sabit kesalahan boleh dihukum gantung sampai mati.

-- BERNAMA