

KERATAN AKHBAR-AKHBAR TEMPATAN
TARIKH: 20 OKTOBER 2016 (KHAMIS)

Bil	Tajuk	Akhbar
1.	NAHRIM wins National Innovation Award for its innovative Drainage System	BERNAMA
2.	Inovasi sumbang kepada ekonomi Negara	Utusan Borneo
3.	NAHRIM raih Anugerah Inovasi Negara	Berita RTM
4.	MOSTI seeks cheaper rubber tapping device to overcome worker shortage	BERNAMA
5.	MOSTI mahu perkenal alat toreh getah automatik	BERNAMA
6.	Utusan menang Anugerah Inovasi Negara	Utusan Malaysia
7.	No second wave of high-tide anytime soon – ATSB	BERNAMA
8.	Tiada gelombang kedua air pasang besar diramalkan – ATSB	BERNAMA
9.	Education Ministry to probe incident of scissors embedded in pupil's eyebrow	BERNAMA
10.	Wacana keselamatan	Utusan Malaysia
11.	Allocate more funds for R&D in 2017 budget	New Straits Times



NAHRIM Wins National Innovation Award For Its Innovative Drainage System

KUALA LUMPUR, Oct 19 (Bernama) -- Ten years of hard work of the National Hydraulic Research Institute of Malaysia (NAHRIM) finally paid off when it won a top award at the National Innovation Awards (AIN) today.

NAHRIM's Integrated Drainage System (NIDS), the third generation of drainage system which has treatment facilities for solid waste, garbage, sludge, oil and waste treatment and groundwater infiltration system, won the Product category award.

In addition, the Armed Forces Dental Services Agency won the Services category for its innovation projects on mobile dentistry unit treatment equipment.

Both categories of innovation won RM50,000, trophy and certificate.

For the Grassroots category, a housewife, Teng Yu Mein, 44, took home RM20,000 for her efforts in 'Efinity Ez Water Filter System' a system that allows Orang Asli to filter water from the river or hill without using pressure pipes for drinking and daily use. For the first time this year, two new categories were introduced, namely, print and electronic media.

Utusan Malaysia journalist, Ashriq Fahmy Ahmad won the print media category for his article 'Biak Tisu Manusia' while Radio Televisyen Malaysia Sabah journalist Jualina Bangot won the electronic category for her special report titled 'Nenek Jurutera Solar, Kampung Sensogon'.

Both won RM10,000 in cash each.

AIN is an annual event of the **Science, Technology and Innovation Ministry** aimed at recognising local inventors who produce products and services via creativity and innovation.

Meanwhile, **Science, Technology and Innovation Minister, Datuk Seri Madius Tangau**, who presented the awards, said the 2016 AIN winners were not only being recognised by the nation, but also, the government via the ministry, would help to commercialise the products and innovations produced in terms of advisory service to get copyright and patents.

"This recognition is in line with the government's aspiration to turn innovation into one of the national agenda specifically to transform the nation towards a developed, high income nation by 2020," he added.

There was also a School category, where Mara Junior Science College Taiping, Perak was named the winner. The college defeated nine other competitors from across the country. Their creations, 'FO-ver', an abbreviation of the word 'Float Over', a flood warning system for road users won RM10,000, trophy and certificate.

The National Young Scientists Award was won by Associate Prof Dr Juan Joon Ching from Universiti Malaya while the National Technologist Award went to Shaiful Hisham Samsudin of Mechanical Engineering Department, Universiti Teknologi Petronas. They won RM20,000 and RM10,000 respectively, a trophy and certificate.

For the first time this year, two new categories were introduced, namely, print and electronic media.

Utusan Malaysia journalist, Ashriq Fahmy Ahmad won the print media category for his article 'Biak Tisu Manusia' while Radio Televisyen Malaysia Sabah journalist Jualina Bangot won the electronic category for her special report titled 'Nenek Jurutera Solar, Kampung Sensogon'.

Both won RM10,000 in cash each.

AIN is an annual event of the Science, Technology and Innovation Ministry aimed at recognising local inventors who produce products and services via creativity and innovation.

Meanwhile, Science, Technology and Innovation Minister, Datuk Seri Madius Tangau, who presented the awards, said the 2016 AIN winners were not only being recognised by the nation, but also, the government via the ministry, would help to commercialise the products and innovations produced in terms of advisory service to get copyright and patents.

"This recognition is in line with the government's aspiration to turn innovation into one of the national agenda specifically to transform the nation towards a developed, high income nation by 2020," he added.

-- BERNAMA



Inovasi sumbang kepada ekonomi negara



Utusan Borneo (Sabah) 19 Oct 2016 +3 more

KUALA LUMPUR: Malaysia harus mencontohi negara maju dalam mencapai tahap teknologi terbaik menerusi ciptaan baharu dan inovasi yang akan menyumbang kepada kadar pertumbuhan Keluaran Dalam Negara Kasar (KDNK).

Menteri Sains, Teknologi dan Inovasi Datuk Seri Madius Tangau berkata sebagai contoh, Sweden yang mempunyai penduduk 9.9 juta orang mencatatkan KDNK bernilai US\$ 492.62 bilion (US\$1=RM4.20).

“Selain itu, Sweden juga negara yang berjaya melahirkan rakyat berinovasi tinggi yang memenangi Hadiah Nobel... dan apa yang lebih menarik ialah 52 peratus sumber tenaga negara itu dihasilkan menerusi sumber tenaga baharu,” katanya.

Beliau memberitahu pemberita demikian selepas menutup pameran Anugerah Inovasi Negara 2016 selama dua hari mulai semalam di Nu Sentral di sini, kelmarin.

Selain Sweden, katanya, Korea Selatan yang tidak kaya dengan sumber semulajadi mempunyai rakyat yang kreatif sehingga mampu mencipta pelbagai produk inovasi baharu dan memberi sumbangan kepada ekonomi negara mereka.

“Malaysia mampu maju seperti Sweden dan Korea Selatan dalam sektor teknologi dengan sentiasa menghasilkan produk inovasi baharu dari semasa ke semasa,” katanya.

Sementara itu, Madius berkata dua kategori tambahan diperkenalkan dalam Anugerah Inovasi Negara tahun ini iaitu kategori Anugerah Media Cetak dan Media Elektronik.

“Kategori baharu ini bertujuan memberi penghargaan kepada pengamal media yang membantu kementerian mempromosi agenda sains, teknologi dan inovasi negara,” katanya.

Majlis penyampaian Anugerah Inovasi Negara 2016 dijadual berlangsung hari ini. - Bernama

BERITA RTM

NAHRIM RAIH ANUGERAH INOVASI NEGARA

Kuala Lumpur - Hasil ciptaan Institut Penyelidikan Hidraulik Kebangsaan Malaysia (Nahrim) memenangi kategori produk pada Malam Anugerah Inovasi Negara (AIN).

Usaha selama 10 tahun untuk mencipta 'Nahrim Integrated Drainage System (NIDS), sebuah sistem perparitan generasi ketiga, merangkul anugerah tersebut.

Selain itu, Unit Perkhidmatan Pergigian, Angkatan Tentera Malaysia pula memenangi Kategori Perkhidmatan, iaitu projek inovasi unit peralatan rawatan pergigian mudah alih.

*Pemenang kedua-dua kategori inovasi tersebut masing-masing membawa pulang RM50,000, trofi dan sijil yang disampaikan oleh **Menteri Sains, Teknologi dan Inovasi, Datuk Seri Madius Tangau.***

Bagi kategori Akar Umbi, suri rumah dari ibu negara, Teng Yu Mein, 44, membawa pulang RM20,000 atas usaha mencipta 'Efinity Ez Water Filter System', sistem yang membolehkan penduduk Orang Asli menapis air sungai atau air bukit tanpa tekanan paip untuk minuman dan kegunaan seharian.

Hasil inovasi pelajar Maktab Rendah Sains Mara Taiping, Perak dinobatkan sebagai pemenang Kategori Sekolah, mengetepikan sembilan pesaing lain dari seluruh negara.

Ciptaan mereka, 'FO-ver', singkatan daripada perkataan 'Float Over' merupakan sistem amaran banjir kepada pengguna jalan raya memenangi RM10,000, trofi dan sijil.

Anugerah Saintis Muda Negara dirangkul oleh Prof Madya Dr Juan Joon Ching dari Universiti Malaya manakala Anugerah Juruteknologi Negara pula dianugerahkan kepada Shaiful Hisham Samsudin dari Jabatan Kejuruteraan Mekanikal, Universiti Teknologi Petronas.



MOSTI Seeks Cheaper Rubber Tapping Device To Overcome Worker Shortage

KUALA LUMPUR, Oct 19 (Bernama) -- **The Ministry of Science, Technology and Innovation (MOSTI)** is seeking to introduce an affordable automated rubber tapping device as one way to overcome the worker shortage.

Minister Datuk Seri Wilfred Madius Tangau said at present, the sector has a problem bringing in foreign workers.

"We have planted hundreds of thousands of rubber trees through a government assistance scheme, but we are facing a challenge in tapping these trees as we can't bring in foreign workers.

"So what is the solution? (For MOSTI) the solution is to automate it, and we have to come up with an innovative device that does not just tap the trees but also collects the latex," he told reporters here today.

Earlier, Madius opened the 2nd Technology and Applications for Disaster Management International Conference organised by Astronautic Tecnology (M) Sdn Bhd.

He said although such a device already exists and is used by the Malaysian Rubber Board, its operating cost is too high.

"The operating cost is around RM50 per tree and that doesn't make any business sense. We are looking to get universities, research institutes, innovators and other relevant bodies to come up with a much cheaper technology, maybe at around RM5 per tree," said Madius.

He added that MOSTI would hold regular roundtable meetings with stakeholders to discuss human resource, economic and practical issues plaguing the industry.

-- BERNAMA



MOSTI Mahu Perkenal Alat Toreh Getah Automatik



KUALA LUMPUR, 19 Okt (Bernama) -- **Kementerian Sains, Teknologi dan Inovasi (MOSTI)** mahu memperkenalkan alat menoreh getah automatik pada harga berpatutan bagi mengatasi masalah kekurangan pekerja.

Sehubungan itu, Menteri, Datuk Seri Wilfred Madius Tangau berkata pihaknya kini dalam usaha mendapatkan penglibatan pihak universiti, institusi penyelidikan, kalangan pereka dan badan berkaitan untuk mengemukakan inovasi atau teknologi bersesuaian.

"Ribuan pokok getah ditanam menerusi skim bantuan kerajaan. Bagaimanapun, kita berdepan cabaran untuk menoreh pokok berkenaan kerana tidak dapat membawa masuk pekerja asing.

"Bagi MOSTI, penyelesaiannya adalah dengan menjadikan usaha menoreh secara automatik. Ini termasuk memperkenalkan alat inovasi yang tidak hanya sekadar menoreh pokok, tetapi mampu mengumpulkan susu getah," katanya.

Beliau berkata demikian kepada pemberita selepas merasmikan Persidangan Antarabangsa Aplikasi dan Teknologi Bagi Pengurusan Bencana Kali Kedua anjuran Astronautic Technology (M) Sdn Bhd di sini, hari ini.

Mengulas lanjut, Madius berkata biarpun alat menoreh getah itu sudah berada di pasaran dan digunakan oleh pihak Lembaga Getah Malaysia, namun kos operasinya adalah terlalu tinggi.

"Kos itu sekitar RM50 sepokok dan tidak memadai dari segi perniagaan. Kita kini cuba mendapatkan (penglibatan) pihak universiti, institut penyelidikan, para pereka dan badan berkaitan lain untuk mengemukakan teknologi lebih murah sekitar RM5 sepokok," katanya.

Menurutnya, MOSTI juga akan lebih kerap mengadakan rundingan meja bulat dengan pihak berkepentingan bagi membincangkan isu modal insan, ekonomi dan perkara lain membabitkan industri itu.

-- BERNAMA

KERATAN AKHBAR
UTUSAN MALAYSIA (ALBUM HARI INI) : MUKA SURAT 2
TARIKH : 20 OKTOBER 2016 (KHAMIS)



UTUSAN MENANG ANUGERAH INOVASI NEGARA

WARTAWAN *Utusan Malaysia*, Ashriq Fahmy Ahmad bersama trofi dan replika cek bernilai RM10,000 yang dimenangkannya bagi Anugerah Inovasi Negara 2016 kategori media cetak anjuran Kementerian Sains, Teknologi dan Inovasi di Hotel Hilton, Kuala Lumpur, malam tadi. Ashriq Fahmy meraih kemenangan itu menerusi rencana bertajuk *Blak Tisu Manusia*.- UTUSAN/
AZLAN HADI ABU BAKAR



No Second Wave Of High-Tide Anytime Soon - ATSB

KUALA LUMPUR, Oct 19 (Bernama) -- The high-tide phenomenon that hit several states since last Friday is expected to end today with no probability of a second wave forecast anytime soon.

Astronautic Technology (M) Sdn Bhd (ATSB) chief executive officer Datuk Dr Ahmad Sabirin Arshad said the phenomenon however, is expected to return by year end when the earth, moon and sun are aligned, causing gravitational pull.

"This causes high tide, similar to what we have experienced now. It will only worsen if there is a thunderstorm or heavy rain," he told a press conference which was also attended by **Science, Technology and Innovation Minister Datuk Seri Madius Tangau** after the 2nd Technology and Applications for Disaster Management International Conference, here Wednesday.

Ahmad Sabirin said this when asked about the probability of a second wave of the high-tide phenomenon.

On the same matter, Madius said the ministry would be constantly monitoring the development of any kind of disaster in the country.

Earlier in his speech, Madius stressed that MOSTI through its agencies such as ATSB, Malaysia Meteorological Department and Malaysian Remote Sensing Agency was prepared to face any eventuality of disaster hazards by providing technical assistance to the relevant parties.

He said through various disaster incidents in the country, several measures including early warning detection systems had been upgraded.

This he said, included 15 new seismic stations - five placed in Kota Kinabalu, two in Lahad Datu and eight in various locations of Sabah - plus 53 units of tsunami sirens across strategic locations in Malaysia for faster tsunami warning.

-- BERNAMA



Tiada Gelombang Kedua Air Pasang Besar Diramalkan - ATSB

KUALA LUMPUR, 19 Okt (Bernama) -- Fenomena air pasang besar yang melanda beberapa negeri sejak Jumaat lepas dijangka berakhir hari ini dan setakat ini tiada kebarangkalian gelombang kedua diramalkan pada bila-bila masa.

Ketua Pegawai Eksekutif **Astronautic Technology(M) Sdn Bhd (ATSB)**, Datuk Dr Ahmad Sabirin Arshad berkata fenomena itu bagaimanapun dijangka melanda kembali menjelang akhir tahun apabila bumi, matahari dan bulan berada pada kedudukan selari, menyebabkan tarikan graviti.

"Ini yang menyebabkan air pasang, namun keadaannya lebih kurang sama kali ini, dan menjadi lebih dahsyat apabila ditambah dengan hujan," kata beliau pada sidang media selepas Persidangan Antarabangsa Teknologi dan Aplikasi bagi Pengurusan Bencana ke-2 di sini hari ini.

Turut hadir ialah **Menteri Sains, Teknologi dan Inovasi Datuk Seri Madius Tangau.**

Ahmad Sabirin berkata demikian ketika ditanya mengenai kebarangkalian gelombang kedua air pasang besar melanda.

Madius juga berkata Kementerian Sains, Teknologi dan Inovasi (MOSTI) akan memantau perkembangan sebarang bentuk bencana di negara ini dari semasa ke semasa.

"Kita akan memberi maklumat kepada yang akan terlibat, orang ramai, supaya semua terlibat akan bersedia," kata beliau.

Terdahulu, Madius berkata MOSTI melalui agensinya seperti ATSB, Jabatan Meteorologi Malaysia dan Agensi Remote Sensing Malaysia bersedia menghadapi sebarang kemungkinan bahaya bencana dengan memberi bantuan teknikal kepada pihak-pihak terlibat.

Beliau berkata susulan pelbagai insiden bencana di negara ini, beberapa langkah termasuk sistem amaran awal mengesan banjir telah ditingkatkan.

Ini termasuk memasang 15 stesen seismik - lima di Kota Kinabalu, dua di Lahad Datu, dan lapan di pelbagai tempat di Sabah, dan 53 unit siren tsunami di lokasi-lokasi strategik di Malaysia bagi memberi amaran lebih cepat mengenai tsunami.

-- BERNAMA



Education Ministry To Probe Incident Of Scissors Embedded In Pupil's Eyebrow

KUALA LUMPUR, Oct 19 (Bernama) -- The Education Ministry will conduct a thorough investigation into an incident involving a Year Six pupil of Sekolah Kebangsaan Khir Johari in Sabak Bernam, Selangor who had a pair of scissors piercing his right eyebrow today.

Its Deputy Minister Datuk P. Kamalanathan said it was still too early to make any statement on the incident as the ministry had just received a report on it.

He was commenting on the incident that befell Asraf Saiefuiddin Nuri Shamsuddin, 12, who had to endure more than an hour of pain after a pair of scissors became embedded in his right eyebrow.

According to media reports, the pupil was carrying out an activity with his classmates in the school laboratory when the incident occurred at noon.

The victim who was holding a pair of scissors had gotten up from his chair and suddenly tripped over a table before falling off, causing the scissors to pierce into his eyebrow.

As such, Kamalanathan advised teachers not spread sensitive photographs or information of such nature in the future.

Earlier, Kamalanathan had attended the closing ceremony of the final round of the **National ICT Security Discourse: CyberSafe Challenge** Trophy organised by **CyberSecurity Malaysia** here, Wednesday.

In his speech, he said Malaysia's economic competitiveness and future progress would be determined by the quality of the nation scientists, academicians, researchers and students.

"Such manpower has to be drawn especially from the field of engineering, science and technology. Therefore, science, technology, engineering and mathematics education or STEM should be given greater attention," he said.

The National ICT Security Discourse events support and complements the STEM initiative in the Malaysia Education Blueprint 2013-2025 which aims to achieve a 60:40 ratio of Science and Technical and Arts students.

-- BERNAMA

KERATAN AKHBAR
UTUSAN MALAYSIA (ALBUM HARI INI) : MUKA SURAT 2
TARIKH : 20 OKTOBER 2016 (KHAMIS)



WACANA KESELAMATAN

TIMBALAN Menteri Pendidikan, Datuk P. Kamalanathan (kiri) bersama Timbalan Menteri Sains, Teknologi dan Inovasi, Datuk Dr. Abu Bakar Mohamad Diah (kanan) beramah mesra bersama peserta pertandingan akhir Wacana Keselamatan ICT Kebangsaan Piala Cabaran Cybersafe 2016 di Kuala Lumpur, semalam. Turut sama, Ketua Pegawai Eksekutif CyberSecurity Malaysia, Dr. Amirudin Abdul Wahab (belakang, dua dari kiri). - BERNAMA

Allocate more funds for R&D in 2017 Budget

LONG-TERM INTEREST: R&D serves to spur innovation and build scientific talent

THIS year counts as the most challenging year for research and development in the fields of science and technology. The year saw substantial cuts in the budget for R&D. This has never happened before. Some put the cut at close to 70 per cent.

It was definitely a painful year for the R&D community. The research universities were especially affected, not only by the drastic curtailment in R&D activities, but also by the cuts in funding for their contract research professors.

Since R&D is an investment for the long term, such drastic reduction in the financial allocation coupled with the ill-advised termination of the country's key R&D talent, will have negative implications on the nation's resolve to use science and technology as the strategic weapon to prop up the nation's competitiveness.

Many are hoping for a reversal of the cuts in the 2017 Budget, to be tabled by Prime Minister Datuk Seri Najib Razak tomorrow.

Actually, many among the science community were taken by surprise by the almost insane cuts in R&D funding this year. This is because the government has always emphasised that investment in R&D is strategic for the nation.

This is especially crucial at a time when we want to use technology as the platform to spearhead our aspiration to become a fully developed economy.

The fact that technology supremacy breeds competitiveness and prosperity has been demonstrated many a time, not only among the many developed economies, but more so by the top businesses of the world. It would be a serious mistake if we as a country do not recognise this fact.

We are fortunate that the prime minister is a strong believer in the power of science and R&D.

We see clear evidence of this in the many science driven initiatives he has taken. One prominent action was the establishment of the Global Science Innovation Advisory Council (GSIAC).

A major outcome of GSIAC is the renewed vigour on STEM education. This is the education in science, technology, engineering and mathematics which is extremely crucial in charting the nation's future in science.

A recent talk by a prominent futurist from the United Kingdom held at the Academy of Sciences

highlighted the importance of science and technology in securing future opportunities in the global economy.

The drastic cuts in R&D this year can set the nation back by many years. All the hard work that was making good progress was suddenly stalled and it will be more expensive to restart the whole process.

A good example concerned the funding that was allocated for high-impact research hosted by Universiti Malaya.

Yes, there were criticisms about the poor coordination. But this could have been remedied. Closing the entire programme altogether is even more damaging.

We cannot afford to slow down the progress of science, and in particular its R&D investment, if we are to achieve our dreams as enshrined in our New Economy Policy of high income with sustainability and inclusiveness.

In this respect, we can look for guidance from countries which has reaped the benefits of their long-term commitment to R&D spending.

I am referring to countries such as South Korea, Taiwan, Germany and the Scandinavian nations. Records have shown that all these countries would not slash their R&D allocations even during times of grave economic difficulties.

This largely explains why these countries have scored envious success in their pursuit of technology development and innovation.

Furthermore, we have yet to reach the international benchmark of R&D spending of three per cent of GDP annually.

So far, our R&D spending has not even breached the one per cent GDP barrier.

Reducing the allocation for R&D did serious injustice to the momentum we have created all these years. We must also be reminded of the fact that the spending in R&D caters for two important target objectives — developing innovation and building scientific talent.

Therefore, under 2017 Budget, the science fraternity would like to appeal to the government to not only reinstate the R&D allocation according to the formula of preceding years, but also allocate more. It is in our long-term interest.

ahmad.ibrahim@akademisains.gov.my

The writer is a Fellow at Academy of Sciences Malaysia

The drastic cuts in R&D this year can set the nation back by many years. All the hard work in R&D that was making good progress was suddenly stalled and it will be more expensive to restart the process."



DR AHMAD IBRAHIM