

KERATAN AKHBAR-AKHBAR TEMPATAN
TARIKH: 28 OKTOBER 2013 (ISNIN)

Bil	Tajuk	Akhbar
1	Produk Inovasi UTM setaraf antarabangsa	Utusan Malaysia
2	Seda gets wind of it	The Star
3	Inovasi bantu ekonomi	Utusan Malaysia
4	Inovasi terbaik dihargai	Utusan Malaysia
5	Bioekonomi pacu pendapatan negara	Berita Harian
6	Bio-Xcell, BioSingapore jalin kolaborasi bangun bioteknologi di Asia Tenggara	Kosmo
7	Biotech partnership for region	The Malay Mail
8	Sirim, United Tech pact to offer biometrics course	New Straits Times
9	Biak tiram asuhan	Utusan Malaysia
10	Aplikasi satelit meteorologi	Utusan Malaysia
11	Heed lessons from Cameron Highlands tragedy	New Straits Times

Produk inovasi UTM setaraf antarabangsa

Mewujudkan jalinan komersial antarabangsa sebagai pusat sehati UTM bagi membolehkan industri mengetahui penyelidikan yang dijalankan oleh ahli akademik universiti ini

Oleh **MOHD. SAIFUL MOHD. SAHAK**
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PENYELIDIKAN dan pembangunan (R&D) Universiti Teknologi Malaysia (UTM) akan terus dipertingkatkan bagi menghasilkan produk baru yang boleh dikomersialkan di peringkat tempatan dan antarabangsa.

Timbalan Pengarah Pusat Inovasi dan Komersialisasi (ICC) Universiti Teknologi Malaysia (UTM), **Assoc. Prof. Dr. Arham Abdullah** berkata, bagi mencapai matlamat itu, UTM memerlukan modal insan dan tenaga akademik berkualiti bagi memacu dan meneruskan perubahan dalam memastikan produk penyelidikan UTM dapat dikomersialkan secara berkesan.

Sejajar dengan itu, UTM akan memainkan peranannya dalam mengukuhkan hubungan antara ahli akademik dan industri bagi mewujudkan kesedaran dalam kalangan tenaga pengajar dan industri tentang kemampuan UTM dalam bidang R&D.

Beliau berkata, UTM akan berterusan mewujudkan jalinan komersial sebagai pusat sehati bagi membolehkan industri mengetahui penyelidikan yang dijalankan oleh ahli akademik universiti ini.

"UTM akan menggerakkan usaha ke arah mencapai budaya penyelidikan inovasi yang berkualiti, relevan dengan industri dan dikenali dunia dalam kerangka pendidikan peringkat tinggi.

"Selain menghasilkan harta intelek dan inovasi yang mampu menggerakkan negara ke arah mencapai rangkaian nilai global, di samping mewujudkan peluang baharu pekerjaan," katanya ketika ditemui pada Pameran Seni Industri dan Teknologi (Inatex) 2013 UTM baru-baru ini.

Majlis penutup Inatex UTM 2013 telah disempurnakan Timbalan Menteri Sains, Teknologi dan Inovasi, **Datuk Dr. Abu Bakar Mohamad Diah**.

Arham menambah, dalam usaha untuk mengomersialkan hasil penyelidikan



ABU Bakar Mohamad Diah menyampaikan trofi Best Of The Best kepada **Ahmad Fauzi Ismail** (empat dari kiri) bersama para penyelidik pada Inatex kali ke 15 di UTM, Skudai, Johor, baru-baru ini.



DR. ARHAM ABDULLAH



ANTARA produk-produk UTM yang mula dikomersialkan dan dipasarkan di pasaran tempatan.

Selain menghasilkan harta intelek dan inovasi yang mampu menggerakkan negara ke arah mencapai rangkaian nilai global, di samping mewujudkan peluang baharu pekerjaan

untuk manfaat masyarakat, UTM meningkatkan kerjasama R&D dengan sektor swasta bagi menjalankan projek-projek yang mendapat geran daripada kerajaan. Malah, kerjasama pihak swasta merupakan salah satu syarat pembiayaan dana dan menyokong empat produk UTM yang berjaya dikomersialkan di peringkat antarabangsa.

Selain itu, UTM juga menyediakan platform dalam bentuk sesi pepadanan perniagaan (business matching) di antara penyelidik UTM dengan industri tempatan mahupun antarabangsa bagi tujuan pengkomersialan dengan kerjasama agensi-agensi seperti MOSTI iaitu SIRIM, Technology Park Malaysia, MTDC dan Multimedia Development Corporation (MDeC).

"Sebagai langkah untuk memperkasa ekosistem komersial antarabangsa UTM dapat mempercepatkan pengkomersialan hasil penyelidikan yang mempunyai potensi tinggi untuk dipasarkan.

"Kita amat menyedari keperluan diwujudkan pangkalan data mengenai produk inovasi sedia ada.

"Dalam perkara ini, UTM telah menubuhkan pangkalan data harta intelek R&D bagi tujuan pengkomersialan," katanya.

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Seda gets wind of it

Sustainable energy agency mulls over wind as renewable resource

By LEONG HUNG YEE
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PETALING JAYA: The Sustainable Energy Development Authority Malaysia (Seda) is considering the inclusion of wind as another renewable resource in the renewable energy (RE) scheme.

CEO Datin Badriyah Abdul Malek said Seda has embarked on a project to produce a national wind map, due next year.

She said part of Seda's mission was to increase the renewable energy sources in the Feed-in-Tariff (FIT) portfolio.

"The wind map study which started at the end of last year will take about 24 months to be completed.

"We are expecting a comprehensive wind map for Malaysia to be ready by end 2014," she told *StarBiz*.

Badriyah said Seda was not the financial sponsor of the study.

"The study is a joint effort by Seda and Universiti Malaysia Terengganu (UMT).

"The Malaysian Electricity Supply Industries Trust Account and the Ministry of Science Technology and Innovation provided a grant totalling about RM3mil for both Seda and UMT," Badriyah said.

Under the Renewable Energy Act 2011, there are only four technologies applicable for FIT which are biomass, biogas, solar photovoltaic and small hydro.

It is now considering to include wind under the FIT.

Therefore, a comprehensive study on the availability of wind energy in Malaysia is urgently required to determine whether wind should be included as another renewable resource in the FIT scheme.

"Currently Malaysia does not have a wind farm as there is no market to drive it.

"For this reason, if there is any technical potential, then Seda together with Energy, Green



Badriyah holding a copy of the Renewable Energy Act. Under the Act, there are only four technologies applicable for FIT, which are biomass, biogas, solar photovoltaic and small hydro. Seda is now considering to include wind under the FIT.

Technology and Water Ministry will include wind under the FIT portfolio to increase the range of RE to expedite towards energy security and autonomy," Badriyah said.

Asked on the potential market for wind farm in Malaysia, Badriyah said it was "subjected to the wind map study which will reveal the technical potential in the country".

She added that there are no wind farms yet locally except for the few demonstration projects in Pulau Perhentian, Terengganu and Pulau Banggi, Sabah.

The statutory body had in the past called for request for proposal (RFP) for the development of a wind map in Malaysia, which could serve as a reference in determining the potential of wind power generation in Malaysia and justify the inclusion of wind energy in the FIT regime, as well as provide a guide to potential siting of wind turbines.

According to the RFP, the successful tenderer for the wind map project will have to produce a GIS (geographic information systems) with a zoom-in feature through the simula-

tion model using the available meteorological data from Meteorological Department and Global model wind and terrain data.

The tenderer also has to among others install a minimum 10 units of wind masts at a minimum height of 50 metres for micro-siting activities at potentially viable sites for wind data recording for at least 12 months full data, and also need to propose a minimum of 10 sites based on the micro-scale study and the final site selection will be determined by Seda.

