

TribunPutra

Wadah Gagasan Keprihatinan

Bil. 73

www.tribunputra.upm.edu.my



UPM-KIT to develop Zero Discharge System for Sabah Palm Oil > 9

PP10540/10/2012 (031020)

Appointment of UPM's Vice Chancellor

By Khairul Anuar and Noor Eszereen

PUTRAJAYA – The Ministry of Higher Education (MOHE) has announced the appointment of Prof. Datuk Dr. Mohd Fauzi Ramlan, 52, as Universiti Putra Malaysia's new Vice Chancellor for a three-year term effective 1st January 2013 until 31st December 2015.

Prof. Datuk Dr. Mohd Fauzi Ramlan, who succeeds Prof. Dato' Ir. Dr. Radin Umar Radin Sohadi, has had extensive experience in the academic field for 24 years.

Basis of Selection

According to the Minister of Higher Education, Dato' Seri Mohamed Khaled Nordin's press statement, the selection of the Vice Chancellor was made based on UPM's status as a research university with wide ranging expertise in various niches in the field of agriculture.

"The selection of Prof. Datuk Dr. Fauzi Hj Ramlan as UPM's vice chancellor is made based on the criteria set by the ministry and taking into account his experience in academia, research, expertise as well as his previous post as the Deputy vice Chancellor (Student Affairs and Alumni) of UPM.

"It is hoped that his appointment will bring UPM to greater heights both

domestically and in the international arena," he said.

UPM's Focus and Challenges

As the new Vice Chancellor, The ministry expressed that Prof. Datuk Dr. Fauzi, as the new Vice Chancellor, will be able to ensure UPM sets its focus on the issue of food security both in the country and in the global context.

"This can be achieved through the development of highly knowledgeable human capital, and research outcomes that add new knowledge, and will improve the quality of the country's agricultural sector. This will be in line with UPM's status as a renowned centre of excellence in education, research, agricultural services and tropical bio-resources," he said.

Academic background and career

Prof. Datuk Dr. Fauzi Ramlan was born on 15th October 1960 in Johor. He holds a Diploma in Agriculture from Universiti Pertanian Malaysia, a Bachelor of Science (Agronomy) from Iowa State University, Master of Science from Louisiana State University and a PhD. (Biology) from University of York.



He is also a Professor in the field of agriculture at Universiti Putra Malaysia where he served since 29th April 1986 prior to his appointment as the Deputy vice Chancellor (Student Affairs and Alumni) of UPM. He was formerly the Director of the Higher Education Department, Ministry of Higher Education, Malaysia, in charge of Student Management and Development Department from 1st October 2006.

While in service with UPM, Prof. Datuk Dr. Fauzi Ramlan held the post of Associate Professor at the Agricultural Science Department and as the principal of the 2nd Residential College. He is also member of the Board of Directors (LPU) of Universiti Utara Malaysia (UUM) and a substitute member of LPU for Universiti Kebangsaan Malaysia (UKM).

He was conferred the Darjah Kebesaran Johan Setia Mahkota (J.S.M) in 2009, Darjah and Pingat Kebesaran Negeri Melaka - Darjah Mulia Seri Melaka (D.M.S.M) in 2011, which carries the title, Datuk.

Appreciation and Thanks to the former Vice Chancellor

Dato' Seri Mohamed Khaled Nordin said MOHE would like to express its appreciation to UPM's former vice chancellor, Professor Dato' Ir. Dr. Radin Umar bin Radin Sohadi. His extensive contribution since his first day in January 2011 has successfully sustained UPM's excellence as a university of international repute.

Twelve UPM researchers among Top Malaysian Scientists

By Syifarida Muhamad Zaki

KUALA LUMPUR – A total of 27 Malaysian researchers were adjudged the Top Research Scientists Malaysia (TRSM) 2012 and conferred the Fellowship of the Academy of Science Malaysia (ASM), at a function held at the Kuala Lumpur Convention Centre. Of these, 12 were from UPM.

They are Assoc. Prof. Dr. Sham Badlishah Darman, Faculty of Food Science & Technology; Prof. Dr. Oi Lai Ming, Prof. Dr. Tan Wen Siang, Prof. Dr. Tan Soon Guan, all of Faculty of Biotechnology & Biomolecular

Sciences; Prof. Dato' Dr. Mohamed Shariff Mohamed Din, and Prof. Dr. Mohd. Hair Bejo, both of Faculty of Veterinary Medicine; Prof. Dr. Mohd Adzir Mahdi, Faculty of Engineering; Prof. Dr. Zobir Mohd Hussein, and Prof. Dr. Mohd. Basyaruddin Abdul Rahman, both of Faculty of Science; Prof. Dato' Dr. Nik Muhamad Ab Majid, Faculty of Forestry; Prof. Dr. Rahinah Ibrahim, Faculty of Design & Architecture; and Prof. Dr. Zulkifli Idris, Faculty of Agriculture.

Besides unveiling TRSM 2012, the prestigious joint annual programme organized by the Academy of Sciences

Malaysia (ASM) also announced three senior Fellows and 24 new Fellows among Malaysian scientists including Dean of the Faculty of Forestry, UPM, Prof. Datin Dr. Faridah Hanum Ibrahim, Director, Putra Science Park, Prof. Dato' Dr. Mohamed Shariff Mohamed Din and Director, Institute of Mathematical Research, Prof. Dato' Dr. Kamel Ariffin Mohd. Atan.

Honorary Fellow of ASM, Tun Abdullah Ahmad Badawi expressed the hope that the TRSM databases which serve as points of reference for high calibre scientific expertise will increase.

"We need many more scientists to

ensure successful investment in R & D and Technological Innovation," he said.

The selection of TRSM is based on the scientists working in Malaysia who excel in the field of Science, Technology and Innovation (STI) and who are recognized nationally and internationally. Besides this, they have been actively involved in research in the past five years and contributed cumulatively to the development of STI for at least 10 years.

Also present at the ceremony was UPM Deputy Vice-Chancellor (Academic and International), Prof. Datin Paduka Dr. Aini Ideris.



MENARIK!



FACE to enhance Permata programme > 2



Chancellor launches book 'With Knowledge We Serve' > 2



UPM students produce nutritious snack > 4



UPM wins 6 Gold, 3 Special Awards in BioMalaysia 2012 > 12

ISSN 2180-0804



9 772180 080004

FACE to enhance PERMATA National Education Programme

By Khairul Anuar Muhamad Noh

SERDANG – Wife of the Prime Minister, Datin Paduka Seri Rosmah Mansor felt confident the establishment of the Family, Adolescent & Child Research Centre (FACE), of the Faculty of Human Ecology would enhance the current PERMATA national educational programme.

Her confidence stems from the fact that UPM is one of the institutions administering the PERMATA co-curriculum and also because of FACE's research on children that has been extended to include teenagers and family.

"I hope FACE will improve with the assistance of current research findings and advance the teaching and learning process among National PERMATA educators.

"I urge UPM to intensify efforts in offering training for the educators with the hope that they will enrich the quality of teaching and learning in the National PERMATA programme.

"It is my hope that one day I'll get to see our future scholars and the country's technocrats who are from the products of the National PERMATA Programme," she said during the opening of FACE held at UPM PERMATA nursery laboratory.

Datin Paduka Seri Rosmah said PERMATA has appointed UPM as lead agency for the National PERMATA Training of Trainers Programme initiated in 2010.

"To date, a total of 1711 trainers have undertaken the PERMATA Negara Trainer Programme, while 582 trainees have taken the Orientation course, Trainer Refresher Course, S.O.P Management Workshop, and Students Management Workshop," she said.

In addition, UPM's Vice Chancellor, Dato' Ir. Dr. Radin Umar Radin Sohadi said UPM would establish FACE as a school laboratory to support the National PERMATA programme



Foto: Mohd Hasnu Hamdam

and help to enhance its co-curriculum development based on continuous research and with relevance to Malaysian children's competency.

"FACE also develops better teaching methods in accordance with the PERMATA children's needs and best teaching practices for the trainers under the programme," he said.

Dato' Ir. Dr. Radin Umar said the research conducted at FACE focuses on growth, education and early childhood care, risk and growth aspects of teenage psychology, marriage and relationships as well as parenthood/parenting.

"Nevertheless, an effective co-curriculum should be evidence-based in order to optimize the effectiveness on children.

"Furthermore, UPM is ready to offer a post-degree Diploma in the field of early childhood development equivalent to the Diploma in education for the National Permata to establish a better career path in

the field of early childhood development in the public and private sectors" he said.

At the event, Datin Paduka Seri Rosmah launched the Home Early Literacy Package for Kids (HELP-Kids) and a guide book on Play Therapy: Early Detection of Children's Emotional Problems and Play Intervention, produced by FACE researchers.

Help-KIDS is a stimulation-type literacy material to encourage reading among children from baby to five-year-olds with their parents' involvement. Under the programme, parents are to read and tell stories to their children based on age development levels and conducted according to proper methods.

As for Play Therapy, the book proposes a checklist to identify problems related to children's emotions, changes in behaviour and ways to overcome them. Using the checklist, parents and caretakers will be able to detect early signs of problematic children so that timely preventive measures can be taken.



Foto: Marina Ismail

Chancellor launches book 'With Knowledge We Serve'

By Mohd Rezuan M. Aspar

SERDANG – Universiti Putra Malaysia's (UPM) Chancellor, Sultan Sharafuddin Idris Shah launched a coffee table book, 'With Knowledge We Serve', which is a tribute to UPM's current generation of scientists.

The 10-chapter book focuses on 17 contemporary researchers from multi-disciplines, who, with their research outcomes have contributed significantly to the development and advancement of knowledge and played important roles in transforming society and elevating the reputation of UPM as a leading research university in the international arena.

At the event, the Sultan of Selangor presented the Mutiara Alumni Award to Tan Sri Dato' Setia Dr. Nayan Ariffin, and the Jasamu Dikenang Alumni Award to the late Prof. Dato' Dr. Yaakob Che Man.

Other awards presented the same night were the Alumni Terbilang Award presented to Prof. Datin Paduka Dr. Aini Ideris, Dato' Aripin Said, Prof. Dr. Tengku Aizan Hamid, Assoc. Prof. Dr. Syed Omar Syed Rastan, Assoc. Prof. Dr. Lim Swee Tin, Prof. Dr. Fauziah Othman and Assoc. Prof. Dr. Vijayaletchumy Subramaniam.

UPM Alumni Centre Director, Assoc. Prof. Dr. Mansor Abu Talib was also on hand

to present a knowledge endowment sum of RM96,930.00 to UPM representatives. Several other contributions were received from UPM alumni, including Prof. Dr. Musa Abu Hassan, from Alumni 76 (RM20,000); Alumni 76 represented by the Samsoney Group, Dato' Soh Poh Seng chipped in with RM20,000; Cooperative Chairman of UPM KUPUTRA BHD, Alumni 95, Dr. Dasrilyah Syahrial (RM10,000); Melaka Finance Officer, Datuk Naim Abu Bakar representing the Malacca Chief Minister with RM10,000.00, and Executive Director of Felda D Saji, Ahmad Zaki Abdullah with RM10,000.00 to the Sultan of Selangor.

The UPM Sirih Pulang Ke Gagang (Homecoming) programme initiated in 2001, is a collaboration between the UPM Alumni Centre, UPM Alumni Association (PAUPM) and merged with one of the main attractions of UPM Alumni Day normally celebrated every year on May 21st.

Bearing the theme 'Tautan Kasih Memateri Berilmu Berbakti', the celebration has become a tradition in UPM that has established a platform for a grand nostalgic alumni get-together and an opportunity for generous alumni of the university to show their appreciation to their alma mater with generous donations to the UPM Knowledge Endowment Fund.

MoHE awards autonomy to Putra Business School

By Khairul Anuar Muhamad Noh

KUALA LUMPUR - The Higher Education Ministry has given its approval to Putra Business School (PBS) of UPM (formerly known as the Graduate School of Management) to be a licensed business school with full autonomy in its operation matters.

The announcement was made by Y.B. Dato' Seri Mohamed Khalid Nordin during a press conference and certificate presentation to the Faculty of Economics and Management and Putra Business School (PBS) for being accredited by AACSB International. PBS will now be governed by the Putra Business School Foundation, and operate as a history-making, first-of-its-kind business school: a private entity within a public university.

When asked by reporters for the difference between the new and previous administrations, Dato' Seri explained, "Being autonomous is the basis for excellence. The

Ministry awards autonomous status to public institutions to ensure the universities are also ready to award the same to the institutions under them such as Centres of Excellence, Business Schools, etc."

On the same note, the former Vice Chancellor of UPM, Dato' Ir. Dr. Radin Umar Radin Sohadi added, "What's important in being autonomous is that it allows PBS to choose its own talents. PBS is using a 'business' business school model, not an 'academic' business school model. The current practice in public institutions is that lecturers are required to have a PhD and need to be supported with the number of publications in journals, etc. However, in PBS, we require talents that have the industry experience in order to bring the real world to the classroom."

When asked to further elaborate on the accreditation, Dato' Seri Khalid explained, "Accreditation is not a ranking. Rankings are conducted by companies whereas

accreditation is carried out by professional bodies that are experts in a particular field," the Minister informed the reporters.

"There are thirteen business schools in Malaysia. As UPM has been accredited, it should be an example and a catalyst to other business schools to follow suit. On behalf of the Ministry, I would like to congratulate UPM for paving the way and proving that our business school is at par with other top business schools such as the London Business School, INSEAD, University of Pennsylvania, Harvard University, Yale University, Columbia University, EDHEC Business School, Warwick Business School and University of Toronto," he added.

"What is significant is that not only PBS is accredited but the faculty too," he added, referring to the Faculty of Economics and Management.

AACSB International or Association to Advance Collegiate Schools of Business, which was established in 1916, is the longest serving

global accrediting body for business schools that offer undergraduate, masters and doctorate degrees in business and accounting.

Mr. John J. Fernandes, the President and CEO of AACSB International, said in his speech, "When world business schools acknowledge UPM as one of the best, one of the most advanced in management education, it speaks very highly of UPM as not only being recognised locally but also internationally."

"As the word 'accreditation' comes from the Latin word 'accreditus', meaning 'trust', it means AACSB International trusts UPM to meet its mission and to do what it says it is supposed to do for its community and stakeholders," he explained.

He congratulated UPM for being the first business school in Malaysia to be accredited and believed UPM could lead, to be an example and coach other business schools in Malaysia that wish to get AACSB accreditation.

Universiti Putra Malaysia is only the sixth university in South East Asia with

such accreditation. Other countries with AACSB accredited schools are Singapore (3), Philippines (1) and Thailand (1). The accreditation process involves rigorous internal review, evaluation, and adjustment and can take several years to fulfill 21 requirements set by AACSB International. All accredited schools must go through a peer review process every five years in order to maintain their accreditation.

Datuk Ab. Rahim Md. Noor, the Secretary General for the Ministry of Higher Education; Dato' Prof. Dr. Rujhan Mustafa, the Director General for the Ministry of Higher Education; Prof. Dr. Arfah Salleh, the President and CEO of the Putra Business School; Prof. Dr. Mohd. Shahwahid Othman, the Dean of the Faculty of Economics and Management; and Dr. Eileen Peacock, the Senior Vice President and Chief Officer Asia for AACSB International were also at the press conference together with other officials.

SUKIPT – UPM masih dominasi sukan IPT

Oleh Khairul Anuar Muhamad Noh

Universiti Putra Malaysia (UPM) membuktikan keteguhannya sebagai empayar sukan peringkat institusi pengajian tinggi (IPT) yang belum mampu dicabar oleh IPT lain pada Sukan Institusi Pengajian Tinggi (SUKIPT) baru-baru ini.

Penguasaan atlet-atlet UPM dalam sukan renang, olahraga dan karate-do membolehkan mereka memintas Universiti Teknologi Mara (UiTM) setelah ketinggalan 15 emas dengan UiTM pada fasa pertama SUKIPT.

Kejayaan UPM yang memegang status sebagai universiti atlet sebagai juara keseluruhan SUKIPT sebenarnya sudah dijangka kerana majoriti atlet-atlet UPM merupakan atlet kebangsaan yang pernah meraih pencapaian antarabangsa.

Dengan meraih 52 pingat emas, 26 perak dan 21 gangsa, UPM agak sukar dicabar oleh naib juara keseluruhan UiTM dengan 39 emas, 23 perak dan 44 gangsa dan Universiti Malaysia Perlis (UniMAP) di tempat ketiga (17 emas, satu perak dan lima gangsa).

Kejayaan UPM itu mengatasi sasaran awal untuk mengutip 44 pingat emas, 57 pingat keseluruhan dan menjadi juara keseluruhan temasya yang berlangsung dari 28 Oktober hingga 19 November lalu dengan disertai oleh 5,000 atlet dan pegawai sukan dari 101 buah IPT.

Naib Canselor UPM, Prof. Datuk Dr. Mohd. Fauzi Ramlan gembira kerana UPM berjaya menepati dan melepasi sasaran SUKIPT dalam 26 acara yang disertai terutamanya dalam acara olahraga, ragbi, karate do, memanah, menembak dan renang.

"Sasaran kita berdasarkan prestasi semasa beberapa atlit UPM yang pernah

mewakili Malaysia dalam kejohanan antarabangsa serta semangat kerja berpasukan pada tahap tertinggi antara atlet, jurulatih dan pegawai universiti.

"Selepas ini kita akan berkerjasama dengan Bahagian Sukan, KPT untuk mengharumkan nama negara dalam Sukan Universiti Asean (AUG) di Laos bulan depan," katanya.

Ketua Kontinjen UPM, Dr. Hanafiah Ayub mengulas kejayaan besar atlet-atlet UPM dalam acara akuatik menerusi 15 pingat emas, karate dengan 9 emas serta olahraga 14 emas, membolehkan kem UPM menarik nafas lega mendahului UiTM setelah melalui fasa tidak memberangsangkan pada peringkat permulaan.

Kemuncak SUKIPT ialah majlis penutup yang menyaksikan Timbalan Menteri Pengajian Tinggi, Datuk Saifuddin Abdullah menyampaikan piala kepada Ketua Pusat Sukan, Hamzah Ismail di UiTM, Shah Alam.

Kunci kejayaan UPM disumbangkan oleh olahragawati temasya SUKIPT 2012 edisi pertama tahun ini iaitu bekas atlet kebangsaan, Chui Lai Kwan dengan pencapaian terbesar menggondol 13 pingat emas dan dua pingat perak bagi acara renang.

"Saya gembira kerana diberi penghormatan olahragawati sulung pada temasya ini. Diharapkan kejayaan ini menaikkan lagi semangat atlet IPT, khususnya bekas atlet seperti saya untuk turut sama memajukan lagi sukan Negara," katanya.

Puteri emas UPM itu memenangi 12 pingat emas acara individu dan satu emas acara berpasukan mengatasi calon-calon lain, sekaligus merupakan atlet wanita paling cemerlang pada temasya sulung dwitahunan itu.

"Saya tidak sangka dengan kejayaan ini. Saya harap kejayaan ini akan memberi

semangat kepada perenang IPT yang lain untuk terus cemerlang dalam sukan renang.

"Saya berhasrat ingin menambah koleksi pingat emas pada Sukan AUG bulan depan kerana pernah mengutip enam kejuaraan di AUG sebelum ini," kata Lai Kwan, penuntut jurusan Sains Teknologi Pemakanan.

Selain renang, antara sukan yang didominasi UPM ialah olahraga, karate, menembak dan ragbi di mana dalam acara karate, UPM memungut sembilan pingat emas. Dalam acara olahraga, UPM meraih 14 pingat emas sekaligus mengatasi sasaran awal 12 emas olahraga sementara dalam sukan menembak, UPM meraih tiga emas.

"Latihan insentif untuk atlet bukan sahaja untuk persiapan ke SUKIPT tetapi untuk ke Sukan AUG, kata Jurulatih Olahraga UPM, Mohd. Firdaus Abdullah yang menyifatkan kejayaan UPM bukan sahaja hasil kendalian universiti tetapi berkat tunjuk ajar jurulatih MSN.

Dalam sukan ragbi, UPM yang hadir sebagai pasukan pilihan menepati ramalan apabila dinobatkan juara ragbi tujuh sebelah selepas mengalahkan Universiti Teknologi Malaysia (UTM) 26-12.

UPM dengan kekuatan 183 atlet (95 lelaki dan 88 wanita) telah membuat persiapan awal sejak 12 September lalu untuk menyertai 101 IPT yang menyertai kejohanan yang menjadi medan penting buat 15,000 atlet bertanding bagi memburu slot ke temasya Sukan Universiti Asia (AUG) 2012.

Walau bagaimanapun, cabaran UiTM yang ketinggalan 13 emas tidak harus dipandang rendah oleh UPM kerana pada tahun mendatang, prestasinya dilihat boleh meningkat bertolak daripada kelebihan UiTM yang mempunyai ramai pelajar dan kelebihan memiliki atlet di kampus setiap negeri.

UPM-SEARCA Joint Graduate Scholarship Project

By Mohd Rezuan M. Aspar

SERDANG – Universiti Putra Malaysia (UPM) has signed a Memorandum of Agreement (MoA) with The Southeast Asian Regional Centre for Graduate Study and Research in Agriculture (SEARCA).

UPM was represented by its Deputy Vice-Chancellor (Research and Innovation), Prof. Dato' Ir. Dr. Mohd Saleh Jaafar while SEARCA was represented by Director Dr. Gil C. Saguiguit, Jr.

The occasion coincided with the opening ceremony of the 25th Executive Board Meeting of the Southeast Asian University Consortium for Graduate Education in Agriculture and Natural Resources (UC).

This MoA is in relation to the UPM-

SEARCA Joint Graduate Scholarship Project, which offers the International Graduate Research Fellowship (IGRF) to benefit Southeast Asians who wish to pursue Master and PhD degrees in agriculture and related sciences at UPM.

Dato' Ir. Dr. Mohd Saleh Jaafar expressed the hope that UPM's participation in this collaboration would assist in producing high quality human resources in agriculture for the Southeast Asian region.

The Dean, School of Graduate Studies, Prof. Dr. Bujang Kim Huat pointed out that under this project, UPM is expected to award a matching scholarship for every full scholarship given by SEARCA.

"The number of scholarship grantees from UPM can increase to a maximum of

four graduate students per academic year if SEARCA also sponsors four students with full scholarships at UPM, as agreed upon by both parties, starting the next semester," he said.

SEARCA was established by the Southeast Asian Ministers of Education Organization (SEAMEO) in 1966. In line with its objectives in improving the university's capacities in agricultural and rural state development in the South East Asian region through graduate scholarships, research and development, as well as knowledge management, SEARCA expanded its graduate scholarship scheme to include UPM, among other leading universities in Southeast Asia. As of date, SEARCA has awarded a total of 77 scholarships to various Southeast Asian nationals to complete their study programme at UPM.



DS Factor berpotensi sembuh kanser

oleh Muhamad Najkhan Mazlan

SERDANG – Sekumpulan penyelidik Fakulti Perubatan dan Sains Kesihatan (FPSK), Universiti Putra Malaysia (UPM) membangunkan produk berasaskan herba DS Factor yang berpotensi menyembuhkan penyakit kanser.

Ketua penyelidik, Prof. Madya Dr. Latifah Saiful Yazan berkata DS Factor merupakan produk minuman herba seperti teh yang mempunyai kandungan bahan aktif tritepene yang berfungsi melawan sel-sel yang dijangkiti kanser.

"Kajian penggunaannya secara tradisional mendapati pesakit yang mengambil minuman herba ini secara konsisten selama tiga bulan menunjukkan tanda positif untuk sembuh sepenuhnya.

"Berdasarkan keputusan tersebut, kami merasakan penting untuk membuktikan keberkesanan herba ini secara saintifik. Kajian kami bermula pada 2005 mendapati herba ini sememangnya terbukti berkesan membasmi kanser dan tidak meninggalkan sebarang kesan sampingan.

"Ujian ketoksikan yang dijalankan membuktikan DS Factor juga tidak memberikan sebarang tindakbalas negatif terhadap organ dalaman seperti hati dan buah pinggang. Oleh itu ianya selamat dan efektif," katanya pada sidang media Putra Cipta di sini hari ini.

Dr. Latifah menambah produk itu

mudah disediakan, murah dan juga mesra pengguna.

"Kami mengeluarkan produk ini dalam bentuk sachet. Satu sachet adalah untuk pengambilan dua kali sehari iaitu sekali pada waktu pagi dan malam.

"Pengguna hanya perlu mendidihkannya selama sepuluh minit dan kemudian disejukkan sebelum diminum. Pengguna juga dinasihatkan untuk mengambilnya sebelum makan atau dalam keadaan perut kosong.

"DS factor mempunyai potensi besar untuk dibangunkan sebagai *complementary traditional medicine* berdasarkan sejarah penggunaannya dan bukti keberkesanan berdasarkan kajian yang kami jalankan secara in vitro di makmal," katanya.

Hasil kajian Dr. Latifah bersama kumpulannya turut mendapat pengiktirafan daripada The L'OREAL Malaysia for Women Science Fellowship pada tahun 2006.

Kumpulan beliau terdiri daripada empat orang penyelidik FPSK iaitu Prof. Madya Dr. Hairuzah Ithnin, Dr. Intan Safinar Ismail, Prof. Mazanah Ismail dan Prof. Dr. Rasedee Abdullah.

Turut hadir pada sidang media itu ialah Timbalan Pengarah Bahagian Promosi, Penyelidikan dan Inovasi PSP, Prof. Madya Dr. Samsilah Roslan dan wakil syarikat pemasaran Primer Herber Sdn Bhd iaitu Mohd Nawi Harun, Mohd Shukri Abdul Rahman dan Saifulbahrim Mamat.



The University Consortium is an international organisation established by SEARCA in 1989 and participated by five leading agricultural universities in Southeast Asia. It also includes agricultural universities from Canada, Australia, Japan, and Germany as associate members.

UPM is the only member from Malaysia. Other members are Institut Pertanian

Bogor, Indonesia, Kasetsart University, Thailand, Universitas Gadjah Mada, Indonesia, University of the Philippines Los Banos, the Philippines, University of British Columbia (Canada), University of Queensland (Australia), University of Gottingen (Germany), and Tokyo University of Agriculture (Japan).

UPM students produce nutritious mango-based Vit-A-Go snack

By Muhamad Najkhan Mazlan

SERDANG – The wastage of mangoes and the lack of nutrition among Kenyan children have motivated six UPM postgraduate students from the Faculty of Food Science Technology (FSTM), to develop Vit-A-Go, a tasty snack enriched with vitamin A.

According to Sew Chang Chew, leader of the team that also includes Mohd Asraf Mohd Zainuddin, Najla Gooda Sahib, Tan Tai Boon, Kuan Chee Hao and Lasekan Adeseye O, Vit-A-Go is produced from overripe mangoes, which are usually thrown away, and regular consumption of this innovative snack will help alleviate Vitamin A deficiency in the body.

“The idea for this project was prompted by our desire to investigate ways of producing nutritious food economically and conveniently to overcome the problem of nutrition deficiency in developing countries,” explained Sew.

“Our research discovered that Kenya produces lots of mangoes but due to the short harvesting period and inconsistency of fruit quality, a sizeable portion of the harvest goes to waste. Added to this was the realization of the critical problem of malnutrition among Kenyan children,” Sew revealed at the Putra Cipta press conference held here.

Sew said Vit-A-Go is easily produced by blending overripe mango flesh puree with



sugar and nitric acid.

“After drying, the mixture is carved and packed. The cost of producing a sachet of Vit-A-Go is approximately RM0.20 to RM1,” he said.

The team’s only female member, Najla Gooda Sahib chipped in to announce that Vit-A-Go bagged the First Prize at the recent Institute of Food Technologies Student Association-Developing Solutions for Developing Country (IFTSA-DSDC) held in Las Vegas, Nevada, USA on June 28th.

“Vit-A-Go drew the panel’s interest for its low cost, short processing period, uncomplicated manufacturing and its high Vitamin A nutritional value compared to other snacks currently available in the market,” she said.

Also present at the Putra Cipta press conference were the Dean of FSTM, Prof. Dr. Mohd Yazid Abd. Manap and Putra Science Park Director, Prof. Dato’ Dr. Mohamed Shariff Mohamed Din.

UPM develops device to keep track of Alzheimer patients

By Muhamad Najkhan Mazlan

SERDANG – Four researchers from the Institute of Gerontology (IG), Universiti Putra Malaysia (UPM) have developed a device called Alzheimer’s-Real Time Location System (A-RTLS) using low radio frequency to monitor the movement of Alzheimer patients.

The technology was developed over three years by Assoc. Prof. Sr. Dr. Abdul Rashid Mohamed Shariff, Assoc. Prof. Dr. Ahmad Rodzi Mahmud, Dr. Zaiton Ahmad and a postgraduate student, Mohd Fadhil Abuhan.

Head researcher, Dr. Abdul Rashid explained that A-RTLS uses wireless technology to track a tag placed on the Alzheimer patient.

“Using radio frequency, and tracking devices placed at various locations in the care centre, the Alzheimer patient’s movements and location are monitored on a computer screen that displays a two-dimensional floor plan.

“Wearing the tag does not in any way hinder the routine movements of the patient as it is both small in size and lightweight.

“The technology lessens the burden of the caretakers at the center and allows for close monitoring, thus helping to improve the quality of life for both patients and their caretakers,” said Dr. Abdul Rashid at the Putra Cipta press conference here.

According to Dr. Abdul Rashid, the system device is divided into two parts: the hardware containing the tracking device (tag), a reader, a computer loaded with the engine tracking software, sever software as well as application software.

He added that A-RTLS is user-friendly, effective, time saving, safe and comes at a reasonable cost.



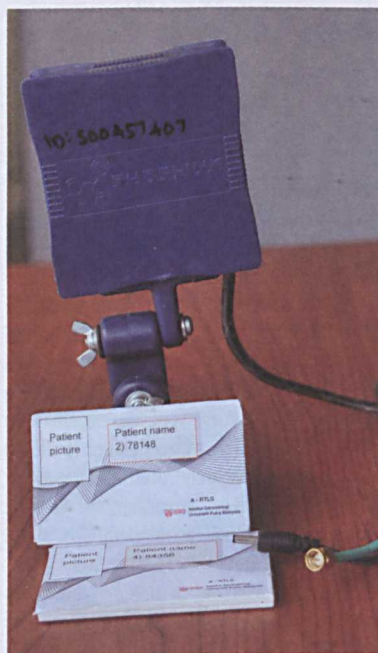
“The wireless long distance tracking system is effective within 100m indoor and 200m outdoor.

“The use of radio frequency at 5.8GHz is approved by the Health Ministry and is safe for the users. A big advantage of the A-RTLS is its ability to monitor several patients with the tag at the same time,” said Dr Abdul Rashid.

According to the inventors, the A-RTLS is suitable for Alzheimer care centres as well as old folks’ homes and mental asylums around the country.

Meanwhile, IG Director, Dr. Tengku Aizan Hamid said the number of Alzheimer patients has escalated with the aging population in the country and will double in the next 18 years. According to her, this increase in the number of Alzheimer patients will lead to an increase demand for care centres.

The findings of Dr Abdul Rashid and his team were recognized when they walked away with a gold medal at the Malaysia Research, Invention and Innovation Expo (PRPI) held from July 17th – 19th this year.



‘V-Grooving’ Cutter Technology to boost Malaysia’s bamboo industry

By Muhamad Najkhan Mazlan

SERDANG – The demand for bamboo as a wood substitute in the wood industry has driven a group of researchers from Universiti Putra Malaysia (UPM) develop the “V-Grooving” method for cutting bamboo.

This innovative method is the first of its kind in the world. The “V-Grooving” method flattens bamboo for use as boards, flooring and as a substitute for multi-purposes in the wood-based industry.

A researcher from UPM’s Faculty of Forestry, Assoc. Prof. Dr. Edi Suhaimi Bakar said the manufacturing of laminated bamboo PBL using the “V-Grooving” method is more practical for flattening bamboo than the current method.

“Using a specially designed machine, the “V-Grooving” method produces v-shaped grooves/beams on the outer side of a bamboo. Each groove has a 1mm grooving “cease” to sustain the bamboo segments and it doubles as hinges when flattened.

“The hinge converts the vertical function to the sides in order to ensure all beams are sealed tightly to produce a flat sheet.

“Then the final groove/beam is cut until it comes off and is glued on to the other groove/beam before it is flattened by a pressing machine,” he said at the Putra Cipta press conference held here.

Dr. Edi said the flattened bamboo can be planed on a single surface or both surfaces to be applied in PBL manufacturing or as decorative planks/boards.

Benefits

“Compared to the current practice of splitting-squaring, the “V-Grooving” method is more convenient, easy and simple. The PBL creation process is reduced to half compared to current methods,” he revealed.

Apart from saving production and material costs, this method also produces a final product of better quality.

“The “V-Grooving” method can be promoted to small and medium industry entrepreneurs (IKS/SME) and it could benefit the rural community in terms of generating new income,” commented Dr Edi.

Advantages

“The scarcity of wood materials is gradually affecting Malaysia’s wood industry. Bamboo is

therefore seen as a viable alternative to ensure a sufficient supply of “wood” at a competitive price in the market.

Bamboo needs only four years to mature and not half a decade as is the case with wood trees.

According to research, bamboo blades are more elastic than teak and meranti and they make a good foundation for building materials.



Commercial

Meanwhile, Deputy Vice Chancellor (Research and Innovation), Prof. Dato’ Ir. Dr. Mohd Saleh Jaafar said the bamboo industry in Malaysia is rapidly growing and there is a bamboo surplus compared to ordinary wood.

“Bamboo has higher durability than ordinary wood and this adds to its market value. The development of such technology will certainly add value to bamboo-based production.

“UPM is currently in talks with companies involved directly with the bamboo-based industry. Some have shown interest and we plan to market the product sometime this year,” said Dr. Mohd Saleh Jaafar.

Also present at the Putra Cipta press conference was the Dean of the Faculty of Forestry, Prof. Datin Dr. Faridah Hanum Ibrahim.

Recognition

The concerted research of Dr. Edi and his team that was initiated in 2007 won gold medal recognition at the recent 2012 “Invention, Research and Innovation Exhibition”.

Other researchers involved in the venture are Assoc. Prof. Dr. Zaidon Ashaari, Assoc. Prof. Mohd Zin Jusoh, and Dzafarin Saharani, a postgraduate student,

Sembah Ampun Paduka Tuanku

SEJARAH berubah, Tuanku. Ketika Kebawah Duli Paduka Tuanku membuka negeri telah merdekalah negeri kita, Tuanku. Bertuahlah sungguh detik dan saat itu, Tuanku, tatkala Tuanku melihat dari bawah pohon Melaka yang sedikit teduh, seekor pelanduk menendang anjing sehingga terjatuh ke dalam sungai. Perkasanya pelanduk itu.

Dan, negeri ini Kebawah Duli Paduka Tuanku menamakannya Negeri Melaka.

Melakalah negeri kita, Tuanku. Maka masyhurlah sedari kala itu nama negeri kita ini ke serata pelosok alam sebagai negeri yang berdaulat. Daulat Kebawah Duli Paduka Tuankulah itu. Masyhurnya tiadalah terkira. Di mana-mana orang menyebut namanya. Sekalian dagang dan santeri pun berkinjunglah ke negeri kita. Amat besar duduk dan letaknya di mata dunia. Dihormati dan disebut-sebut, Tuanku.

Akan tetapi, Tuanku negeri kita ini telah dikacau oleh orang-orang Portugis pada tahun 1511, lebih sedikit daripada seabad setelah kemerdekaannya, mereka jahat, Tuanku. Portugis ini bangsa yang tidak senang melihat kemajuan yang dicapai negeri kita. Kejayaan Melaka sangatlah gilang-gemilang sehingga menimbulkan kecemburuan yang tak terhitungkan di pihak Portugis, lalu menyerang Melaka.

Apa pun, Tuanku. Mereka hanya menduduki Melaka buat sementara waktu sahaja. Mereka tidak menjajahnya, Tuanku. Ertinya, Kebawah Duli Paduka Tuanku, kalau hendak patik ucapkan bahawa sesungguhnya kendati pun Portugis mengambil alih pentadbiran dan penguasaan ke atas negeri Melaka, negeri Melaka tetaplah tidak dijajah mereka. Mereka hanya mendudukinya. Itu pun untuk sementara sahaja.

Maka, Tuanku, pada tahun 1641 datanglah pula pihak Belanda. Belanda ini, Tuanku merebut Melaka yang merdeka itu daripada tangan Portugis adanya. Ini pun jenis bangsa yang jahat juga. Kebawah Duli Paduka Tuanku. Mereka merampas sewenang-wenangnya Melaka daripada tangan Portugis walhal Portugis tidak pernah pun menjajah Melaka. Mereka hanya memerintahnya untuk sementara sahaja. Dalam pada itu, telah banyaklah harta kekayaan yang sepatutnya menjadi milik Melaka telah disongkap mereka. Mereka angkut sesuka hati balik ke negeri mereka dari negeri makmur dan merdeka yang mereka duduki ini. Aduh, jahat sungguh si bangsa Portugis ini.

Akan Belanda pula Tuanku, sangatlah mengada-ngada. Sepeninggalan Portugis, mereka pula mengaut segala hasil masghul Melaka dengan sesungguhnya. Benar Tuanku, walaupun mereka tidak

menjajah Melaka - mereka hanya mendudukinya sementara sahaja, konon meminjamnya dripada Portugis - ah, negeri kita tu Tuanku, dipinjam dan meminjam pula sesame mereka - ketika itu kita kekal merdeka, tapi mengapalah Kebawah Duli Paduka Tuanku. Belanda ini bangsa Barat. Fiilnya lebih kuranglah juga dengan Portugis. Ini negeri dudukannya, maka sesuka hatilah mereka boleh perlakuan apa dan bagaimana. Sebagai sebuah negeri yang merdeka, Melaka tidak boleh berbuat apa-apa.

Belanda berunding senyap-senyap pula Tuanku dengan Inggeris. Konon, sampailah ke pendengar patik yang hina ini Tuanku bahawa Belanda sedang menguasai negeri jiran Indonesia. Lalu terjadilah tawar-menawar antara Inggeris dengan Belanda. Inggeris dan Belanda hendak membahagikan rantau ini kepada dua bahagian supaya mudah diperintah. Op, bukan diperintah Tuanku, menolong untuk mentadbir, kerana Melaka tidak pernah dijajah pun oleh Belanda. Melaka kekal merdeka walaupun Belanda sedang mendudukinya. Tuanku tahu, banyak rakyat yang sengsara, tidak beroleh apa-apa kerana semuanya diurus-atur oleh Belanda. Tiada apa yang boleh dibuat Tuanku walaupun Melaka merdeka, Belanda memang ingin benar menunjukkan belangnya. Ditindasnya rakyat kita, disisihkannya jelata, dilanyaklah sekalian hasil maghul negeri kita macamlah negeri ini negeri mak bapak dia yang punyai. Tak tahukah mereka bahawa Melaka merdeka.

Berbaliklah patik Tuanku ke hal ehwal perundingan senyap-senyap antara Inggeris dengan Belanda itu tadi. Tercapailah pertujuan konon antara mereka bahawa Melaka dipindahkan pentadbirannya kepada Inggeris manakala Bangkahulu diserahkan pentadbirannya kepada Belanda.

"Indonesia dijajahkah ketika itu?"
"O, yang itu patik kurang pula periksa, Kebawah Duli Paduka Tuanku."

Syahdan, Inggerislah pula yang mengambil peranan mentadbir Melaka. Tuanku, Melaka kemudian dikenali dengan seluruh semenanjung ini dengan nama Tanah Melayu. Orang-orang Inggeris pernah juga memanggilnya Malaya. Patiklah pernahlah dengar mereka jelas memanggilnya Malaya, manakala rakyat jelata kita menyebutnya dengan nama Tanah Melayu.

Kalikian, lamalah sungguh Inggeris ini meminjam negeri Tanah Melayu ini. Bermula dari tahun 1824 yakni dengan termeterainya Perjanjian Inggeris-Belanda yang menukar wilayah pentadbiran Melaka kepada Inggeris dan bangkahulu kepada Belanda itu, Tuanku seluruh Indonesia

jatuhlah ke tangan Belanda, manakala Tanah Melayu @ Malaya ini pun duduklah di bawah tangan Inggeris. Akan tetapi, Tuanku, Inggeris hanya menolong mentadbir sahaja. Mereka tidak berbuat apa-apa pun. Dalam urusan pentadbiran, merekalah monopoli, rakyat kita ikut dan patuh sahaja, melawan jangan. Dalam urusan adat-istiadat dan hal ehwal agama Islam bagaimanapun dipegang orang Raja-Raja Melayu. Hal hasil mashul habislah di dalam cengkaman mereka Tuanku. Kalau hendak diambil pulang ke negeri mereka, mereka ambillah. Sebab, Tuanku pada ketika itu, mereka sedang menolong mentadir negeri kita. Kalau mereka hendak mengangkutnya dengan kapal-kapal sehabis besar pun mereka angkutlah kerana mereka sedang menolong mentadbir negeri kita.

"Mamak Bendahara, beta telah berkali-kali mendengar Mamak Bendahara mengatakan mereka menolong mentadbir, ertinya sesungguhnya apa tu wahai Mamak Bendahara?" Kebawah Duli Paduka Tuanku mengerutkan dahi sambil memicit-micit dagu baginda, dengan wajah penuh kehairanan dan tersangatlah ingin hendak tahu.

"Begini Tuanku, memandangkan mereka hanya menduduki negeri kita, dan bukan menjajah negeri tanah pusaka kita ini - yang masih kekal merdeka, maka kita tidaklah dibolehkan menyebut mereka sebagai penjajah. Jadi, Tuanku, ampun Tuanku beribu-ribu ampun, maka dengan itulah patik yang hina ini menggunakan istilah menolong mentadbir, Tuanku."

"Dijajah tu bagaimana pula, Mamak Bendahara?"

"La, ingatkan Tuanku dah faham. Rupa-rupanya belum. Panjang ceritanya Kebawah Duli Paduka Tuanku. Kendati pun demikian, bolehlah patik yang hina ini memendekkannya."

Kalikian, Mamak Bendahara pun menghuraikanlah hal ini sependek-pendeknya kepada Kebawah Duli Paduka Tuanku. Namun, Tuanku masih mengerut-ngerutkan dahinya. Jari jemari bangidan pula mengurut-ngurut dagu baginda. Gusar sungguh pagi yang jernih dan tenang itu dengan permainan kata-kata Mamak Bendahara yang maha bijaksana.

"Beta masih kurang mengerti wahai Mamak Bendahara."

"Beginilah Tuanku, lebih baik Kebawah Duli Paduka Tuanku tak payahlah mengerti sangat tentang hal itu."

Kebawah Duli Paduka Tuanku mengalihkan pandangannya ke arah Mamak bendahara dengan penuh kehairanan. Seribu satu persoalan segeralah dalam pada itu terapung-apung di layar fikiran Kebawah Duli Paduka Tuanku.

"Ini kerana, Tuanku, ada pun kedatangan patik menghadap pagi ini adalah untuk merafak sembah bahawa negeri kita akan menyambut ulang tahun kemerdekaannya hanya kira-kira sepuinama sahaja dari sekarang ini.

"Mamak Bendahara, ulang tahun kemerdekaan yang ke berapa. Beta kadang-kadang terlupa...haha."

"Patik akan perintah para pembesar negeri yang ada mengirannya, bermula daripada tarikh Kebawah Duli Paduka Tuanku membuka negeri Melaka."

"O, bijaksana sungguh Mamak Bendahara." Wajah Kebawah Duli Paduka Tuanku kelihatan berseri-seri.

Akan tetapi, sekonyong-konyong baginda berpaling, penuh kepelikan, "Akan sekalian perkara ini, sesungguhnya wahai Mamak Bendahara dengan siapakah Mamak Bendahara merujuknya?" Suara baginda sedikit bertegas.

Menyedari akan laras bahasa Kebawah Duli Paduka Tuanku yang sedikit tegas itu, Mamak Bendahara mengangkat sembah, sepantas-pantasnya, "Ampun Tuanku, ada pun patik sudah merujuknya kepada Profesor-profesor sejarah?"

"Profesor sejarah? Siapakah gerangan mereka itu, hulubalang dari mana angkara datangnya?" Suara Kebawah Duli Paduka Tuanku lagi meninggi, tanda lebih bertegas.

"Ampunan Tuanku beribu-ribu ampunan, ada pun akan hal ehwal itu tiadalah berapa teliti patik memeriksanya, mereka semua tu tokoh-tokoh terkenal, kerana nanti patik pula yang akan dikatakan buta sejarah, disuruh pula akan patik ini pergi ke sekolah, ampunan Tuanku."

"Beta masih bingung ni, Mamak Bendahara. Semenjak beta membuka Melaka tentulah beta gembira bahawa negeri kita tidak pernah dijajah. Akan tetapi, beta gusar hati akan kebenaran kata-kata ini. Beta inginkan pengesahan!"

"Kebawah Duli Paduka Tuanku, perkara ni sudah disahkan. Pemberitahuan yang meluas sudah diperpanjang ke seluruh pelosok jajahan takluk. Apakah lagi bentuk pengesahan yang Kebawah Duli Paduka Tuanku hendakkan?" Mamak Bendahari turut bingung.

"Habis tu, mengapa pula bendera Union Jack diturunkan ketika Tunku mengisytiharkan kemerdekaan tu?"

"Dia orang bergurau je tu, Tuanku." Sampuk Mamak Bendahara penuh yakin.

"Adakah perihal sambut-menyambut ulang tahun kemerdekaan ini ada tercatat dalam buku Sejarah Melayu, Mamak Bendahara?"

"Sembah Ampun Tuanku, tiada tercatat sama sekali."

"Kalau begitu..."

"Buku Sejarah Melayu boleh disemak semula. Tokoh sejarah boleh tambah nanti. Tiada masalah, Kebawah Duli Paduka Tuanku."

"Beta masih keliru, Mamak Bendahara. Keliru yang tiada terkira."

"Tuanku rileks sahajalah. Janganlah dibawa bergundah gulana. Lagi pun, Tuanku baru saja kembali dari mencemar duli bertanya khabar kepada rakyat jelata di jajahan taaluk Melaka. Akan perkara itu bolehlah patik yang hina ini tolong fikir-fikirkan."

"Beta berhak bergundah gulana, Mamak Bendahara. Sewaktu Jepun menduduki Tanah Melayu, kalau tak silap perkiraan beta, negara menggunakan mata wang Jepun. Begitu juga ketika pihak British, mata wang menggunakan gambar Queen, mengapa bukan gambar beta? Bukankah ini petanda negara dijajah mereka?" keraguan terus bersarang di benak Kebawah Duli Paduka Tuanku.

"Kesilapan itu hanyalah kesilapan teknikal, Tuanku. Ampun Tuanku, ada pun tujuan pihak British datang ke Tanah Melayu hanyalah untuk mendampingi Raja-raja Melayu. Mereka secara suka rela dikhabarkan hendak memberi nasihat sahaja. Sekadar suka-suka. Ada pun pihak British tu terlebih tindakan, mereka tidak memberi nasihat sebaliknya memberi arahan. Dengan memberi arahan tampaklah akan mereka itu sebagai penjajah. Walhal, menurut orang-orang besar dan arif sejarah, hakikat sebenar kita tak pernah dijajah, Kebawah Duli Paduka Tuanku. Ampun Tuanku." Mamak Bendahara mula berasa penat setelah pelbagai penjelasan dibuat kepada Kebawah Duli Paduka Tuanku.

"Hah, sudahlah Mamak Bendahara. Sekarang ada pun nyatalah kepada beta, banyak perkara yang semakin mengarut. Ini negeri beta. Susah payah beta membuka dan membina. Sia-sialah usaha dan jerih payah beta. Lagi pun, beta masih teringat benar akan keperkasaaan pelanduk putih tatkala menendang anjing itu. Beta meluat mendengar perkara titik benget seumpama ini. Nanti beta akan keluar arahan, semua pembesar negeri dan mamanda menteri keluar menjelajah seluruh ceruk kampung dan desa, masih banyak rakyat negeri ini yang hidupnya daif dan kais pagi makan pagi... Beta patut lebih bergundah gulana memikirkan hal itu daripada isu remeh temeh yang mengharubirukan fikiran rakyat beta ini. Perintahkan segala pembesar dan mamanda menteri mengadap beta di Balairong Seri. Sekarang juga!"

EDITORIAL TRIBUN PUTRA 2012

Ketua Editorial Eksekutif

Prof. Madya Dr. Shameem Mohd. Rafik Khan
Prof. Dr. Sidek Ab. Aziz

Timbalan Ketua Editor Eksekutif

Abdullah Arshad

Ketua Editor

Khairul Anuar Muhamad Noh

Editor Bahasa Inggeris

Patrick Yeoh

Penolong Editor

Noor Eszereen Juferi

Pemberita

Noor Eszereen Juferi
Syfarida Muhamad Zaki
Muhamad Najkhan Mazlan

Penterjemah Bahasa Inggeris

Sabrina Mahili

Pentadbiran & ISO

Nor Azizah Sabirin

Penulis Bersekutu

Dr. Lim Swee Tin
Dr. Amini Amir Abdullah
Mohd Nazri Yasin

Jurufoto

Marina Ismail
Noor Azreen Awang
Mohd Hasrul Hamdan

Konsep

Khairul Anuar Muhamad Noh

Penyelenggara Online

Mohd Mazlimin Omar

Pemasaran

Kamarol Abu Bakar
Erwan Kasmungi
Suhaimi Yaakub

Tribun Putra diterbitkan oleh Pejabat Pemasaran dan Komunikasi, Universiti Putra Malaysia. Tujuan penerbitan untuk menyampaikan maklumat di samping pelbagai rencana, berita, laporan semasa

berkaitan bidang pendidikan dan penyelidikan negara. Surat menyurat dan kiriman artikel / berita / rencana hendaklah di alamatkan kepada:

Editor Tribun Putra

Pejabat Pemasaran dan Komunikasi
Universiti Putra Malaysia
43400 Serdang, Selangor

Telefon : 03-8946 6013

Faksimili : 03-8942 2609

Emel : khal.upm@gmail.com

Towards Becoming A University



By Mohd Rezuwan M. Aspar
Corporate Liaison Officer (MarComm)



University of Applied Sciences Aachen, Germany Extends Partnership Through MOU

Prof. Dr. Marcus Baumann, Rector, University of Applied Sciences Aachen, Germany recently visited UPM. During the visit, he signed the MoU with Dato' Ir. Dr. Radin Umar Radin Sohadi. This is the third MoU signed between both institutions to mark the ongoing collaboration which established in 1996 in the field of Engineering. The first MoU signed on 8 August 96 was valid until 8 August 2001, then from 31 January 2006 to 31 January 2011, and now from 10 July 2012 to 10 July 2017.

Through this cooperation, each party will endeavour

to take the necessary steps to encourage and promote cooperation in many ways such as Exchange of academic personnel and students; Programme and Curriculum development; Internship and professional training for students and staff; Collaboration in research projects and research activities; Exchange of information, accreditation procedures and standards, and other areas of cooperation to be mutually agreed upon especially in the field of engineering.

< The Vice Chancellor, Dato' Ir. Dr. Radin Umar Radin Sohadi exchanging the document of Memorandum of Understanding (MoU) with Prof. Dr. Marcus Baumann, Rector, University of Applied Sciences Aachen, Germany after the signing ceremony held during Prof. Baumann's visit to UPM.



The Vice Chancellor, Dato' Ir. Dr. Radin Umar Radin Sobadi (seated, second from left) and Jun Bang Ook, President, Gangneung-Wonju National University (GWNU) (seated second from right) signing the MoU witnessed by Pn. Chek Zan Kasab (left), Head of Administration, Undergraduate Studies, and Choi Byeong Woo, Director of the Center for International Exchange & Cooperation, GWNU (right).

MoU to Formalise academic and student exchange between UPM and GWNU

Universiti Putra Malaysia has signed a Memorandum of Understanding (MoU) with Gangneung-Wonju University (GWNU), Korea. The MoU was signed during an official visit by Dr. Jun Bang Ook, President and Dr. Choi Byeong Woo, Director of the Center for International Exchange & Cooperation, GWNU. GWNU is particularly interested to collaborate with UPM in student exchange programmes. Both universities have also signed an Agreement on a Student Exchange Programme. Other areas of cooperation are Organization of joint research programmes as well as Exchange of academic and cultural materials.



Dr. Pakbriazad Hassan Zaki, senior lecturer, Department of Forest Management giving a presentation on SISFEC to the delegates and guests in the Japanese language.

Mayor of Hioki City, Japan visits Faculty of Forestry, Sultan Idris Shah Forest Education Centre, Puchong

A delegation from Hioki City, Japan led by Mayor, Mr. Takamitsu Miyaji paid a visit to UPM's Sultan Idris Shah Forest Education Centre, Puchong. The delegates were impressed and keen to learn how UPM is able to provide opportunities for the best learning and research in tropical forestry towards the development and conservation

of sustainable forest reserves is situated in the middle of three major cities, which are Kuala Lumpur, Shah Alam and Putrajaya. During the visit to SISFEC, the mayor took the opportunity to plant one of our forest tree species as well as to taste our favorite local fruits such as durian, rambutan and several others.



Welcome remarks by Deputy Vice Chancellor (Research and Innovation), Prof. Dato' Ir. Dr. Mohd Saleh Jaafar to the participants of the 8th STI Management Training Courses for Researchers in OIC Countries during the one-day study tour at UPM.

UPM hosts researchers of OIC countries on study tour

Putra Science Park (PSP) organised a study tour for researchers from a total of 18 OIC countries including Malaysia to UPM. This programme was part of the 8th STI Management Training Course for Researchers in OIC countries. The participants were 40 researchers who from various research backgrounds ranging from veterinary sciences and biotechnology to engineering, computer sciences, as well as many others.

The delegates were greeted by Prof. Dato' Ir. Dr. Saleh Jaafar, Deputy Vice Chancellor (Research and Innovation).

The one-day programme started with a presentation by Prof. Dato' Dr. Mohammed Shariff Mohamed Din, Director, PSP on "The journey as a research university", followed by visits to Sime Darby, MTDC, Institute of Biosciences, and the Halal Product Research Institute. Apart from positioning UPM as one of the top destinations for research especially in the Islamic world, this programme would also potentially pave the way for good linkages and beneficial collaborative research projects between UPM and other scientists from OIC countries in the near future.



The Indian Tamil Nadu delegates led by the Honourable Minister for Fisheries, Mr. K. A. Jayapal [sixth from left] at Kolam 10, University Agricultural Park with students from the Faculty of Agriculture who are involved in the Tilapia project.

UPM receives entourage from Indian Ministry of Fisheries of Tamil Nadu

A delegation from the Ministry of Fisheries, Tamil Nadu, India led by the Honourable Minister for Fisheries, Mr. K. A. Jayapal paid a visit to UPM. Among the places of interest in UPM that they visited were the Faculty of Agriculture, Aquaculture laboratories, Kolam Ikan, University Agricultural Park, Puchong, and Putra Science Park. The aim of the visit was to learn about aquaculture practices and activities in UPM and in Malaysia.

During the visit to the Department of Aquaculture, Faculty of Agriculture,

the delegates were impressed by how the Department of Fisheries has developed a clear vision and plan and identified areas for development in the field of aquaculture and related activities such as 'Cage culture' and sea weed farming. The visitors also had the opportunity to see the Red tilapia culture project and expressed the belief that such efforts could also be beneficial for Tamil Nadu. They were also interested to learn from UPM about developing breeding, culture and live fish marketing strategy in India.

Sultan Qaboos University, Oman to send lecturers for English teaching experience at UPM

A delegation from the Language Center, Sultan Qaboos University of Oman recently visited UPM's Faculty of Educational Studies. The delegation had a meeting with representatives from the Faculty of Educational Studies and the English Department, of the Faculty of Modern Languages and Communication to discuss future collaboration between both universities.

During the discussion both parties agreed to work on a lecturer exchange programme for the purpose of teaching and training. Apart from that, UPM lecturers were invited to participate in Sultan Qaboos University seminars. Delegates showed much interest in the language teaching experience in UPM.



Dr. Lyn Karstadt, Associate Director (International Health Developments), University of Hertfordshire [second from right] in a discussion with Prof. Bujang, Dean, SGS [right] and Representatives from Faculty of Medicine and Health Sciences [left].

University of Hertfordshire to establish Joint PhD programme in Health Sciences

Dr. Lyn Karstadt, Associate Director (International Health Developments), University of Hertfordshire, United Kingdom held a meeting with Prof. Dr. Bujang K Huat, Dean, School of Graduate Studies, Prof. Dr. Norlijah Othman, Dean, Faculty of Medicine and Health Sciences as well as several other faculty members. During the meeting, both parties agreed to collaborate in the establishment of a Joint PhD programme in Health Sciences. Via this proposed programme, both institutions will develop a collaborative arrangement whereby a graduate level research programme will be supervised using a remote delivery approach to the UH methodology, which combines the use of UPM's premises with joint supervision by UH and UPM academics. The subject of this agreement is a PhD programme (relating to nursing and healthcare) which will lead to a PhD degree from UH and UPM ("Dual PhD Programme").

Of International Repute

Co-written by Kalpana Subramaniam and Norafzan Jaafar

Ministry of Higher Education, Afghanistan To Sponsor Afghan Students To Study At UPM

UPM received an entourage from the Ministry of Higher Education, Afghanistan. The delegation, led by the Honourable Minister of Higher Education of Afghanistan, H.E. Prof. Dr. Obaidullah Obaid, was interested learning more about UPM. The Minister said that their government is planning to send a number of Afghan students to study in Malaysia under Afghanistan's scholarship programme for both undergraduate and postgraduate studies. UPM is one of the potential Malaysian institutions for the sponsorship programme which will start this coming semester.

During the meeting with the delegates which was

chaired by Prof. Dato' Ir. Dr. Mohd Saleh Jaafar, Deputy Vice Chancellor (Research and Innovation), Prof. Datin Paduka Dr. Aini Ideris presented a briefing on UPM to give the visitors an overview of UPM as well as showed our strength in both education and research. The meeting was also joined by representatives from all UPM faculties and institutes as well as Academic Division, UPM Education & Training and UPM International.

Deputy Vice Chancellor (Academic and International), Prof. Datin Paduka Aini Ideris (right) presenting a briefing on UPM to the visiting delegation >



Jerash University, Jordan and the Islamic University of Gaza, Palestine to explore collaboration opportunities in Engineering

Prof. Khalid Omari, President Jerash University, Jordan and Dr. Kamalain K. Sha'ath, President of the Islamic University of Gaza, Palestine, visited UPM and held a meeting with Prof. Dr. Fakhru'l-Razi Ahmadun, Dean, Faculty of Engineering; Assoc. Prof. Dr. Abu Bakar Md Sultan, Head, Department of Information Systems, Faculty of Computer Science and Information Technology; Assoc. Prof. Dr. Hafidzi Mohd Noor, Chairman, Aqsa Shariff Foundation, as well as other members

from the Faculty of Engineering. During the discussion, University of Jerash and The Islamic Gaza University were particularly interested to form a partnership with UPM for purposes of education and research. The delegates then had a lunch with Deputy Vice Chancellor (Academic and International), Prof. Datin Paduka Dr. Aini Ideris and Prof. Dr. Bujang Kim Huat, Dean, School of Graduates Studies at L'Apprenti restaurante in UPM.



Prof. Khalid Omari, President Jerash University, Jordan (fourth from left) and Dr. Kamalain K. Sha'ath, President, The Islamic University of Gaza, Palestine (fourth from right) with Prof. Dr. Fakhru'l-Razi Ahmadun, Dean, Faculty of Engineering (third from left) and other UPM representatives following the meeting at the Faculty of Engineering.



Prof. Dr. Bujang Kim Huat, Dean, School of Graduates Studies [fifth from left] chairing the meeting with Prof. Amir Mahmood, Deputy Head & Assistant Dean International, Faculty of Business and Law, University of Newcastle, Australia [fourth from left], joined by representatives from the School of Graduate Studies, Putra Business School, Faculty of Educational Studies, Faculty of Computer Sciences & Information Technology, and the Faculties of Economics & Management, Engineering, Science, and Medicine & Health Sciences.

UPM Halal Research & Development (R&D) Attracts Interest From The OIC Scientists

A group of delegates from the Expert Group Meeting on Research and Development in the Organization of Islamic Countries (OIC) visited UPM's Halal Products Research Institute (HPRI) as part of their study tour to Malaysia's Research University. The delegates comprised representatives and experts on scientific research from several member countries of the OIC. They were interested to know and learn about

research and commercialization in Halal research and products at UPM. Deputy Vice Chancellor (Research and Innovation), Prof. Dato' Ir. Dr. Mohd Saleh Jaafar, in his meeting with them expressed the hope that this study tour would lead to collaboration in areas of Halal research and product commercialization with other members of the OIC.



Prof. Dato' Ir. Dr. Mohd Saleh Jaafar, Deputy Vice Chancellor (Research and Innovation) [fourth from right] with the participants of the Expert Group Meeting on Research and Development in the Organization of Islamic Countries (OIC) following the meeting at the Halal Product Research Institute

University of Newcastle, Australia to sign another agreement for a Joint-PhD programme

Dean, School of Graduate Studies, Prof. Dr. Bujang Kim Huat hosted a meeting with Prof. Amir Mahmood, Deputy Head & Assistant Dean International, Faculty of Business and Law, University of Newcastle, Australia. The meeting discussed a joint-PhD project between both institutions in the field of Economics & Management, Engineering, Educational Studies, Science, Medicine & Health Sciences, Computer Science & Information Technology, and Business.

This joint-PhD programme is a part of the activities to be implemented under the MoU between UPM and UON which was formalized during Prof. Amir Mahmood's first visit to UPM during the Programme with Australian Innovative Research Universities on 13 June 2012.

Hunan University, China To Send More Students to UPM For Exchange Programme

University Putra Malaysia welcomed another group of delegates from Hunan University who visited the Faculty of Economics and Management. They were interested and expressed interest in sharing ideas which they could implement to improve the educational system in their university. The general meeting was set up in a way which allowed all participants to voice their opinions on how they would like to collaborate with UPM and engage all their students under the same academic platform which they believed would be beneficial for their students and help give them a better qualification and a better future.

Prof. Zhang Qiang, Deputy President of Hunan University said, "There will be much more improvement if they initiate ideas of student exchange, academic exchange, and this will also be a privilege to the students if they are exposed to different educational centres." There were discussions on the programmes offered by both Hunan University and UPM. All delegates arrived at a consensus to come up with a proposal which will be mutually beneficial for the two collaborating universities.



Professor Thomas Schalow, Lecturer, Faculty of Policy Studies (standing) giving a briefing on the University of Marketing and Distributions to the UPM attendees. Assoc. Prof. Sejiro Sumi, lecturer, Faculty of Commerce (second from left) was also at the meeting.

Faculty of Modern Languages And Communications Hosts Visitors from University of Marketing And Distributions, Japan

Universiti Putra Malaysia welcomed the delegates from the University of Marketing and Distributions, Japan who were interested in learning more about UPM's English Programme. The university chose UPM as one of the destinations to send

their students to learn English either through Student Exchange programs at the Department of English, Faculty of Modern Languages and Communications or for the English Intensive Course organized by UPM Education and Training.



Dean, Faculty of Biotechnology and Biomolecular Sciences, Prof. Dr. Ali Hassan (left) and Deputy Vice Chancellor (Academic and International) Prof. Datin Paduka Dr. Aini Ideris with Dr. Othman M Alzahrani, Senior Lecturer, Department Of Biotechnology, Taif University.

Taif University, Saudi Arabia to learn from Biotechnology

Dr. Othman M Alzahrani, Senior Lecturer, Department of Biotechnology, Taif University, Saudi Arabia recently Visited UPM. He met with Deputy Vice Chancellor, Prof. Datin Paduka Dr. Aini Ideris and Dean, Faculty of Biotechnology and Biomolecular Sciences, Prof. Dr. Ali Hassan. Taif University was interested

to form a collaboration with UPM in academic and research programmes. During the meeting, Dr. Othman M Alzahrani expressed his interest to learn best practice in academics, education system as well as curriculum structure, particularly in Biotechnology.



Foto: Noor Azreen Awang

Majlis Makan Malam Rasmi K12

Oleh Nor Ali Usman Mohd Rais Bakri

PUTRAJAYA – Majlis yang meraikan pelajar tahun akhir Kolej Kedua Belas diadakan di Hotel Palm Garden, IOI Resort, Putrajaya. Majlis tersebut menggunakan cogan kata "first step today, define your future" sebagai penghargaan kepada pelajar tahun akhir kolej tersebut.

Majlis itu dirasmikan oleh Puan Zaiton Othman, Pengarah Bahagian Organisasi dan Hal Ehwal Atlet, Majlis Sukan Negara dan dihadiri oleh tetamu kehormat Prof. Datuk Dr. Mohd Fauzi Hj. Ramlan, Timbalan Naib Canselor Hal Ehwal Pelajar dan Alumni. Turut hadir, Dr. Ismail Abd. Latif, Pengetua Kolej Kedua Belas serta pengetua-pengetua kolej kediaman Universiti Putra Malaysia.

Anugerah tertinggi kolej iaitu Pingat Jasa Bakti diberikan kepada Dayang Nur Shahida atas kecemerlangan akademik, aktif dalam kokurikulum serta beliau pernah mewakili Universiti Putra Malaysia



ke Global Conference. Beliau juga menerima Anugerah Akademik Terbaik sempena majlis tersebut.

Hadirin disajikan dengan set hidangan makanan melayu serta persembahan nasyid, tarian dan band muzik daripada pelajar Kolej Dua Belas. Kolej ini ditubuhkan pada tahun 2000 dan kini mempunyai 910 pelajar yang menginap di kolej ini.

Malam Mutiara Gemilang K6

Oleh Nor Ali Usman Mohd Rais Bakri

PUTRAJAYA – Majlis yang meraikan pelajar tahun akhir Kolej Keenam diadakan di Dewan Sri Siantan Putrajaya bertemakan "Garden Roses".

Majlis itu dirasmikan oleh Dato' Jamal Md Yunos, Ketua Pegawai Eksekutif IBM Automobiles Sdn Bhd, dan dihadiri oleh tetamu kehormat Prof. Datuk Dr. Mohd Fauzi Hj. Ramlan, Timbalan Naib Canselor Hal Ehwal Pelajar dan Alumni. Turut hadir, Prof. Madya Dr. Haji Jamaluddin Haji Ahmad, Pengetua Kolej Keenam serta pengetua-pengetua kolej kediaman Universiti Putra Malaysia.

Anugerah tertinggi kolej iaitu Anugerah Emas diberikan kepada Suhaili Mohd Sarjidi atas kecemerlangan dalam bidang akademik serta sumbangan dan bakti beliau kepada Kolej Keenam. Anugerah kedua



Foto: Mohammad Izru bin Abdul Jabbar

iaitu Anugerah Malam Mutiara Gemilang diberikan kepada Mohd Amirul Adnan. Kedua-dua pemenang utama anugerah tersebut merupakan ahli di dalam Majlis Tertinggi Mahasiswa Kolej Keenam sesi 2011/2012.

Hadirin disajikan dengan set hidangan Muhibbah serta persembahan nyanyian daripada pelajar-pelajar Kolej Keenam. Kolej ini ditubuhkan pada tahun 1979 dan kini mempunyai 484 pelajar yang menginap di kolej ini.

Malam Anugerah Seri Perdana, K2

Oleh Nor Ali Usman Mohd Rais Bakri

BANGI – Majlis yang meraikan pelajar tahun akhir Kolej Canselor diadakan di Hotel Equatorial Bangi bertemakan Setulus Budi Semegar Kenangan. Disamping itu, majlis ini juga turut menyampaikan anugerah-anugerah utama Kolej Canselor kepada pelajar-pelajar tahun akhir yang merupakan Permata Kolej Canselor.

Majlis itu dirasmikan oleh Encik Mohammad Khairi A. Malik, Setiausaha Politik Kementerian Pengajian Tinggi dan dihadiri oleh Pengetua Kolej Canselor Dr. Hanafiah Ayub serta pengetua-pengetua kolej kediaman Universiti Putra Malaysia.

Anugerah tertinggi kolej iaitu Anugerah Gemilang Canselor diberikan kepada Shafidah Saad atas kecemerlangan dalam bidang akademik serta sumbangan dan



bakti beliau kepada Kolej Canselor. Beliau merupakan Presiden Majlis Tertinggi Mahasiswa Kolej Canselor pada sesi 2011/2012.

Hadirin disajikan dengan hidangan Set Muhibbah serta persembahan

nyanyian serta persembahan daripada pelajar-pelajar Kolej Canselor. Kolej ini ditubuhkan pada tahun 1973 dan kini mempunyai seramai 595 orang pelajar yang menginap di kolej berkenaan.

UPM launches its own Putra Medical Polyclinic in Seri Kembangan

By Muhamad Najkhan Mazlan

SERDANG – Universiti Putra Malaysia (UPM) has now opened its own first private clinic, Putra Medical Polyclinic at Seri Kembangan, Selangor, offering medical checkups, medical treatment, and professional consultation to the public at very reasonable rates.

The polyclinic, which started operations on 26th November is run by a medical specialist from UPM's Faculty of Medicine and Health Sciences (FPSK), UPM. The available services include health screening, phlegm suction treatment, circumcision, minor surgery, and nebulizer treatment for asthmatic patients, urine test, blood pressure screening and immunization for children as well as Muslim pilgrims.

Chief Operating Officer of Putra Medical Polyclinic, Dr Muhammad Mohd Isa said that every patient who seeks treatment at the polyclinic will also be referred to the Serdang Hospital if necessary. In conjunction

with the opening of the polyclinic, specialist consultation fees are reduced.

"In the meantime, the polyclinic plans to implement specialist services not normally provided in a laboratory. These include physiotherapy, ultrasound (uterine, breast and abdomen), dermatology (skin), neurology (nervous system), gastroenterology (stomach and intestines), gerontology (the elderly), diet and nutrition consultation by dieticians and nutritionist, screening by paediatricians, surgery (major operations) by a surgeon and blood test," he said.

Polyclinic Putra Medik operates at 1-12-G Walk, Jalan PP25, Taman Pinggiran Putra Section 2, Bandar Putra Permai, 43000 Seri Kembangan, Selangor. The polyclinic is open from 8 am to 9 pm, Mondays to Fridays, 8 am to 5 pm on Saturdays and 9 am to 1 pm on Sundays & public holidays.

For further information, contact 03-8959 8950 or email to poliputramedic@gmail.com.



Photo by Ahmad Faizal Akri

UPM-KIT to develop Zero-Discharge System for Sabah palm oil industry



By Khairul Anuar Muhamad Noh

SANDAKAN - Universiti Putra Malaysia (UPM) in collaboration with Kyushu Institute of Technology (KIT) are developing a zero-discharge system for a palm oil plant by the Kinabatangan River in efforts to encourage the green concept for industrial activities.

This institutional collaboration is the result of research sharing in sustainable projects in the field of science and technology (SATREPS) between Japan International Corporation Agency (JICA) and the Japan Science and Technology Agency (JST).

JICA, JST, UPM and KIT have been cooperating on research sharing and development since the 1990s, particularly in the environment and biotechnology fields.

In addition, there will be a workshop on "Zero-Discharge from Palm Oil Industry & the Creation of New Green Profitable Business" to discuss business opportunities using the zero discharge concept. This will involve the conversion of palm oil waste into value-added by-products such as bio-plastic, biogas to generate electric power, charcoal from palm branches and kernels, water retention and

the treatment of effluents, thus contributing to conservation activities in the Ramsar area of the Kinabatangan and Segama rivers.

Workshop chairman, Prof. Dr. Ali Hassan said the palm oil industry has become the collaboration focus due to the generation of excessive amounts of oil palm waste. This has created the opportunity to conduct research on finding the best methods and technology to reduce the serious level of oil palm industry waste.

"Kyutech and UPM have also proposed a new research project in Ramsar. The collaboration has developed multi technologies that can be used by industries to achieve zero discharge and sustainable development," he said.

The expected potential impacts generated by the programme will be the following:

- A more efficient way to optimize oil palm waste by producing added value by-products.
- Sustainable practice in handling effluents at all palm oil plants.
- Pilot plant projects will be implemented at the palm oil factories that display potential for full-scale implementation.

iv. Creating opportunities for profitable green industry.

v. Creating investment opportunities for foreign companies especially from Japan in the business of value-added products.

vi. The conservation of the Kinabatangan environment.

vii. Upgrading the image of the palm oil industry as an industry that practises sustainable development.

Prof. Dr. Yoshihito Shirai of KIT explained that the new project was to improve the use of excessive energy and more efficient use of biomass that would contribute to the conservation of the environment.

"We believe that the project will provide us with valuable knowledge to optimize productivity from the same plantation and create a new and sustainable palm oil industry," he said.

KIT was established as the Meiji College of Technology in 1907 and has since been upgraded to a national university in Japan. It has long participated in research and industry partnerships with foreign universities and industries such as UPM and FELDA.



212 pelajar sekolah terlibat dalam program Laluan Pantas ASPer

Oleh Noor Eszereen Juferi

SERDANG - Seramai 212 pelajar tingkatan 5 dari 35 sekolah terpilih mengikuti Program Khas Laluan Pantas ke Pusat Asasi Sains Pertanian (ASPer) baru-baru ini.

Program Laluan Pantas ASPer mempromosikan pengajiannya kepada pelajar Sekolah Berasrama Penuh (SBP), Sekolah Berprestasi Tinggi (SBT) dan Maktab Rendah Sains MARA (MRSM).

Pengarah ASPer, Prof. Dr. Mahiran berkata program selama tiga hari itu membantu bakal pelajar mendapat informasi yang tepat mengenai Program Laluan Pantas ASPer.

"Pelajar yang terpilih perlu mengikuti pengajian di UPM selama 8 bulan (dua semester) dan boleh meneruskan pengajian di UPM pada tahun yang sama

dalam 12 fakulti berteraskan sains," katanya.

12 fakulti berteraskan sains ialah Fakulti Pertanian, Fakulti Perhutanan, Fakulti Perubatan Veterinar, Fakulti Kejuruteraan, Fakulti Sains, Fakulti Sains & Teknologi Makanan, Fakulti Rekabentuk dan Senibina, Fakulti Perubatan dan Sains Kesihatan, Fakulti Sains Komputer dan Teknologi Maklumat, Fakulti Bioteknologi dan Sains Biomolekul, Fakulti Pengajian Alam Sekitar dan Fakulti Sains Pertanian dan Makanan (UPMKB).

Antara ceramah yang menarik ialah "What's the big fuss about Mathematics?" oleh Dr. Muhammad Rezal Kamel Ariffin, "Gempak Fizik: Fundamental-Fenomena-Futuristik" oleh Prof. Dr. Sidek Ab. Aziz dan "Love and Life... Finding the Right CHEMISTRY!!!" oleh Prof. Dr. Mohd. Basyaruddin Abdul Rahman.

Sementara itu, pelajar Sekolah Menengah Kebangsaan Aminuddin Baki, Rubeneeth Sithambaram berkata program itu memberi banyak maklumat mengenai program laluan pantas.

"Pada awalnya saya tidak memahami mengenai program laluan pantas, tetapi setelah diberi penerangan, saya bersemangat untuk melanjutkan pengajian di UPM," katanya.

Pelajar Sekolah Menengah Sains Raja Tun Azlan Shah, Shakir Naim berkata pada awalnya dia beranggapan UPM hanya memfokuskan pada pertanian.

"Saya dapati UPM mempunyai kepelbagaian fakulti yang berteraskan sains dan penyelidikan serta sains sosial. Saya pasti akan memilih UPM untuk melanjutkan pengajian ke peringkat tertinggi," katanya.



Program YES pupuk pelajar STAR terhadap penyelidikan alam sekitar

Oleh Noor Eszereen Juferi

PORT DICKSON - Seramai 32 pelajar tingkatan tiga Sekolah Tuanku Abdul Rahman (STAR), Ipoh mengikuti program Young Environmental Scientist (YES) bagi memupuk minat dalam bidang penyelidikan sains alam sekitar.

Pendedahan selama tiga hari dalam program anjuran Fakulti Pengajian Alam Sekitar (FPAS), UPM dengan kerjasama Jabatan Perhutanan Negeri Sembilan (JPNS) itu bertujuan meningkatkan pemahaman pelajar mengenai pengurusan alam sekitar.

Pengarah program, Dr. Hafizan Juahir berkata program yang julung kali diadakan itu merupakan salah satu langkah proaktif untuk pelajar mendapatkan pendedahan kajian dalam bidang alam sekitar serta bersedia untuk menyertai pertandingan penyelidikan ke peringkat antarabangsa.

"Program ini memberikan pengalaman secara *hands-on* bagaimana penyelidikan boleh mencapai objektif kajian serta memberi pendedahan kepada saintis muda dalam bidang penyelidikan sains serta

memahami pengurusan alam sekitar," katanya pada program ekspedisi YES di Pusat Eco Edutourism, Hutan Simpan Sungai Menyala di sini.

Beliau berkata, lapan kumpulan pelajar akan menghasilkan laporan aktiviti hasil penyelidikan di sekitar hutan simpan dengan dibimbing oleh fasilitator pelajar FPAS peringkat ijazah pertama (tahun tiga) dan pelajar siswazah (Master dan PhD).

"Antara kajian yang akan dilakukan oleh pelajar di persekitaran hutan simpan itu ialah mengenalpasti tanah dan tumbuh-tumbuhan di kawasan hutan simpan tersebut dan penggunaan alat penyelidikan FPAS," katanya.

Sementara itu, pelajar STAR, Aiman Amin Zuraimi berkata walaupun beliau ingin berkecimpung dalam bidang farmasi, program itu memberi manfaat kepadanya mengenali tumbuhan liar.

"Setelah mengikuti program YES, saya dapati ianya bukan sahaja pembelajaran dalam bidang sains malah mempelajari pelbagai pokok ubatan di sekitar hutan ini," katanya.



JAKIM sumbang RM111,500 selidik isu fatwa

Oleh Aizat Faiz Zainal

PUTRAJAYA - Universiti Putra Malaysia (UPM) menerima dana khas sebanyak RM111,500 dari Jabatan Kemajuan Islam Malaysia (JAKIM) bagi membuat penyelidikan isu kefatwaan dalam kajian Kuantiti dan Stabiliti DNA Babi yang diekstrak daripada daging campuran dan produk diproses dengan menggunakan 'Taqman Real Time Polymerase Chain Reaction Assay'.

Pengerusi Jawatankuasa Fatwa Majlis Kebangsaan Bagi Hal Ehwal Ugama Islam Malaysia (MKI), Prof. Emeritus Tan Sri Dato' Dr. Abd. Shukur Husin berkata peruntukan dana khas itu adalah bagi melaksanakan penyelidikan yang melibatkan isu-isu kefatwaan dalam bidang sains dan perubatan, ekonomi dan kewangan dan farmaseutikal.

"Melalui dana ini, penyelidikan dapat dijalankan pada tempoh masa ditetapkan supaya hasil penyelidikan dapat dibentangkan kepada Muzakarah Jawatankuasa Fatwa MKI.

"Jawatankuasa ini berperanan untuk menentukan dan memberi pandangan hukum sebagai panduan kepada seluruh umat Islam," katanya pada majlis menandatangani perjanjian penyelidikan di sini.

Timbalan Ketua Pengarah (Pembangunan

Insan), JAKIM Razali Shahbudin berkata dana itu memudahkan Jawatankuasa Fatwa Kebangsaan untuk bekerjasama bersama penyelidik Institut Pengajian Tinggi Awam (IPTA) serta membuat keputusan mengenai isu-isu kefatwaan.

"Perkongsian pintar ini wajar diperluaskan serta dalam bidang serta aspek-aspek lain dengan pelbagai program yang boleh meningkatkan lagi peranan institusi fatwa di negara ini," katanya.

UPM diwakili oleh Naib Canselor, Dato' Ir. Dr. Radin Umar Radin Sohadi telah menandatangani memorandum perjanjian untuk tempoh selama satu tahun itu.

Sementara itu, JAKIM turut bekerjasama dengan Universiti Teknologi Malaysia (UTM) iaitu kajian mengenai Pengurusan Zakat Asnaf Riqab dan Gharimin: Satu Analisis Kontemporari dan Universiti Sains Islam Malaysia (USIM) kajian Membina dan Membintakan Anak Tidak Sah Taraf Menurut Perspektif Syarak, Undang-Undang dan Sosial; Tahap Keterlibatan, Kepercayaan Dan Amalan Masyarakat Islam Terhadap Perkara-Perkara Khurafat Serta Cadangan Penyelesaian: Kajian Di Pulau Besar Melaka dan Pengurusan Pengagihan Zakat di Malaysia: Kedudukan Bukan Islam Sebagai Penerima Zakat dan Garis Panduan Pemindahan Dana Zakat.

UPM JOURNALS IN THE NEWS

IJEM Gets New Editor-in-Chief

The *International Journal of Economics and Management (IJEM)* welcomed its new Editor-in-Chief, Professor Muzafar Shah Habibullah, on 1 April 2012. Professor Muzafar, who is set to head the journal for the next three years, is widely known for his research and publications on Monetary Economics, Banking.

The appointment from the office of the Deputy Vice Chancellor (R&I), UPM, has Professor Muzafar take over from Dr. Bany Ariffin. As expected, the new Editor-in-Chief is eager to make the journal, in his words, "the vanguard journal in our field." Congratulations to Professor Muzafar!

Pertanika JST Recognized by ERA

Congratulations are also extended to *Pertanika Journal of Science & Technology (JST)* for having been selected as a quality publication by The Excellence in Research for Australia (ERA). The ERA is a government-led initiative that "assesses research quality using a combination of indicators and expert review by committees comprising experienced, internationally-recognised experts," according to the official website of the Australian Research Council.



Australian Government
 Australian Research Council

Another noteworthy achievement for *Pertanika* is the selection of all three *Pertanika* journals by Iran's Regional Information Center for Science and Technology for inclusion in the Islamic World Science Citation Center (ISC).

Iranian Meeting for Pertanika Editors

The first international editors' meeting to be held in Shiraz, Iran, from 21 to 26 October will see the participation of UPM Journals Chief Executive Editor, Dr. Nayan Kanwal and the Editors-in-Chief of the *Pertanika* journals. Attending at the invitation of the Government of Iran, the team have pledged to take up every opportunity to promote UPM journals at this international gathering. All expenses for the trip are being borne by the Iranian government.



New! Pertanika's Website

<http://www.pertanika.upm.edu.my/home.php>

Welcome to Pertanika's new website, launched recently by the Journals Division, DVC (R&I) Office. Content is comprehensive and the features are user-friendly: check it out.



Greater Visibility Ensured

Pertanika is overhauling its archives based on current webometrics to ensure its three journals gain greater visibility. Almost 30 years of back issues totalling about 30,000 pages are being rescanned by a professional imaging and document management service company to allow content to be more easily accessed. With this readjustment, users will be able to generate citations confirmed by Thomson Reuters with greater ease.

One more measure taken to provide the journals with greater visibility is the engagement of the Web of Science Author Connect mailing product, a service offered by Thomson Reuters. The service allows journals to connect with authors who have published in any journal within the Web of Science network.

Tough Stand on Plagiarism

While technology has been a boon to researchers in many ways, it has unfortunately also allowed the spawning of unscrupulous behaviour, the chief of which is plagiarism. This is indeed a crime from which every academic who wants to remain credible should steer well away.

Pertanika has always gone to great lengths to ensure zero plagiarism in articles published in its three journals. Articles submitted to the journals undergo rigid checks to weed out the ones that may be guilty of this unethical practice, which is in essence one of the worst forms of scientific misconduct.

Authors and researchers are reminded to maintain academic integrity and to keep in mind that plagiarism is not impossible to detect! Whatever form it may be disguised in, whether someone else's work is passed off as one's own, or work copied and paraphrased has not been adequately cited or findings are claimed as one's own, UPM's Journals Division has the necessary system in place to expose plagiarism.



COURTESY VISIT: Professor Jane Hughes (front, 2nd from left) and Professor Peter Mather (back row, 2nd from left) with the team from UPM

Pertanika Welcomes Friends

Pertanika's editorial team had the pleasure of welcoming Professor Jane Hughes of Griffith University, Australia, and Professor Peter Mather of Queensland University of Technology, Australia, in April. The two guests are no stranger to the journals, however, as they sit on *Pertanika's* International Advisory Board (IAB).

Discussions between the guests and JTAS Editor-in-Chief, Professor Tan Soon Guan, *Pertanika's* Chief Executive Editor, Dr. Nayan Kanwal, and other *Pertanika* officials yielded significant input on strategies to broaden *Pertanika's* scope and contribution as an international journal while focussing on increasing its circulation in universities in the Pacific Islands and Australasian region.

Another visit to the *Pertanika* offices, this time by founding Editor-in-Chief, Professor Emeritus Dr. Chin Hoong Fong, was an occasion for a stroll down memory lane for the Journals Division. Dr. Chin was happy to note the progress and growth of the three journals under the leadership of Dr. Nayan Kanwal, and, with the zeal of a true founding father, offered suggestions on how to increase the journals' visibility at national and international conferences especially those frequently held in Malaysia.

Pertanika Journals

Forthcoming Articles.....

Journal of Social Sciences and Humanities

JSSH VOL. 20(4) DECEMBER 2012

The Effects of Three Formats of Assessment on the Achievement of Students with Hearing Disabilities

Mohd Hanafi Mohd Yasin, Hasnah Toran, Ainul Azimin Mohd Zamin and Lokman Tahir
 JSSH-0250-2012

Teachers' Perception towards the Implementation of Inclusive Education in Penang, Malaysia

Mohd Zuri Ghani and Anzan Che Ahmad
 JSSH-0253-2012

Relationship between Big-five Personality Domains and Students' Academic Achievement

Lim Poh Sim and Melissa Ng Lee Yen Abdullah
 JSSH-0318-2012

The Phonology of Suffixation and Prefixation in Malay

Zaharani Ahmad and Nor Hashimah Jalaluddin
 JSSH-0319-2012

Using Computer Games to Improve Secondary School Students' Vocabulary Acquisition in English

Kanthimathi Letchumanan and Tan Bee Hoon
 JSSH-0322-2012

Fathers' Parenting Styles in Chinese Families in Urban Malaysia

Chi Yee Hong, Rozumah Baharudin and Ziarat Hossain
 JSSH-0328-2012

Revitalizing the Maori Language: A Focus on Educational Reform

Rahma Al-Mahrooqi and Charles Asante
 JSSH-0331-2012

Scaling up Rural Micro Enterprises: Profiles of Owners in Peninsular Malaysia

Zumilah Zainalaludin
 Bee Chen Goh
 JSSH-0385-2012

Financial Practices and Problems Amongst the Elderly in Malaysia

Jariah M., Husna S. Tengku Aizan T.A.H. and Rahimah Ibrahim
 JSSH-0386-2012

Assessment of Self-Rated Consumer Knowledge among Low Income Housing Residence in Malaysia

Sharifah Azizah Haron and Jariah Masud
 JSSH-0387-2012

Relationships between Actual and Preferred Science Learning Environment at Tertiary Level and Attitudes towards Science among Pre-Service Science Teachers

Lay Yoon Fah and Khoo Chwee Hoon
 JSSH-0422-2012

An Instrumental Analysis of English Monophthongs Produced by Thai EFL Learners

Stefanie Pillai and Waesakiyasalaema
 JSSH-0431-2012

Challenges Before Engineering Education – Role of Humanities and Social Sciences

N. J. Rao
 JSSH-0510-2012

An Investigation towards Colossal Success of Larsen and Toubro Limited: Human Resource Management Perspective

Saurav Goel and Arti Parmar
 JSSH-0512-2012

Role of Social Sciences in Engineering Education

Ashoke Kumar Sarkar
 JSSH-0513-2012

Cross-Cultural Conflict Management in an Age of Globalisation

Bee Chen Goh
 JSSH-0517-2012

Process drama: Bridging the arts and the sciences

Chamkaur Gill
 JSSH-0518-2012

Interactions with Feedback: A Case Study of Protocol Analysis

Margaret Kumar and Vijay Kumar
 JSSH-0521-2012

Indian Youth Inclination towards Unethical Practices in the Use of Information and Communication Technology

Goel Niket, Kaur Anupriya and Vaidya Meghna
 JSSH-0524-2012

Management of Stress and Anger among Police Personnel through Indian Psychological Techniques

Randhir Singh Ranta
 JSSH-0541-2012

The Price of Dignity by Azizi Haji Abdullah: Contesting the Judgment on an Award-Winning Novel

Ungku Maimunah Mohd. Tahir
 JSSH-0549-2012

Role of Financial Education for Future Technocrats

Puneet Bhushan Sood, Kritika Choudhary and Harneet Singh
 JSSH-0554-2012

Interruption as Power Play in Women's Conversation

Jariah Mohd. Jan and Leila Mohajer
 JSSH-0602-2012

Dividend Tax Cuts in the United States and Single-Tier Tax Regime in Malaysia: Share Price Reactions to Tax Policy Changes

Aslam Selamat, M. Ariff and Shamsheer M.
 JSSH-0608-2012

Enhancing Academic Writing Skills Through the Term-Paper

Rafik-Galea, S., Nalini Arumugam and Geraldine De Mello
 JSSH-0691-2012

Submit your paper today! All Pertanika journals are indexed in SCOPUS, EBSCO, DOAJ and ISC. In addition, JST is now indexed in ERA.

Paper Submission Instructions

For the forthcoming issues in 2013-14, papers must be submitted only via the Executive Editor's office. Please feel free to contact the executive editor at executive_editor.pertanika@upm.my for guidance on the Online submission process.

Please find the journal's profile at: <http://www.pertanika.upm.edu.my/>

PERTANIKA
 JOURNALS



UPM website improves from 10th to 3rd among IPTAs

By Khairul Anuar Muhamad Noh

SERDANG – The relaunched Universiti Putra Malaysia (UPM) website was ranked third among the 12 top websites selected from the websites of 20 institutions of higher learning (IPTA) in Malaysia in 2012. This is a significant improvement from its 10th placing and four stars last year.

UPM's website tied with that of Universiti Malaysia Perlis (UniMAP) in achieving a score of 92 and five stars. The trio of Universiti Tun Hussein Onn Malaysia (UTHM), Universiti Utara Malaysia (UUM), and Universiti Malaysia Terengganu (UMT), emerged the top websites, scoring 94, while in second place with a score of 93 was Universiti Teknikal Malaysia Melaka (UTEM).

UPM was ranked eleventh out of 77 in the Overall Ranking of Portals that evaluated 554

government agency portals nationwide. The assessment took into consideration content, usability, security, participation, and bonuses available on an Internet portal.

The year 2012 marked the 7th edition of the Malaysian Government Portals and Websites Assessment (MGPWA) conducted by the Multimedia Development Corporation (MDeC) to support government agencies and promote online services and better service delivery to the people through a web site or portal.

The myGovernment portal serves as a single gateway to government agencies in Malaysia. The MGPWA can also be considered as an indicator of the quality and efficiency of government agency portals/websites or as a referral for agencies regarding their service delivery.

Blue Pea Powder wins top prize in Schools Innovation and Invention Competition

By Syifarida Muhamad Zaki

SERDANG – Blue Pea Powder, an innovative product by Sekolah Menengah Agama Tinggi Sultan Hisamuddin (SMATSH) students bagged the championship prize at the Science Innovation and Invention Competition 2012 hosted by Universiti Putra Malaysia (UPM) in collaboration with L'Oreal Malaysia and went home with cash prizes and a trophy.

Advisor to the Blue Pea Project, Azmira Azir, said the success was due to the students' remarkable teamwork and their meticulous preparation prior to conducting their research.

"Blue Pea Powder is the outcome of the students' research on the blue pea flower, from which they extracted the colour content and transformed it into powder form for use as a colourant in nasi kerabu and beverages," explained Amir Azir, who added, "With this success we will now explore the possibilities of commercialization."

The first runner-up prize went to the Pressure Stabilizer, an invention by students of Sekolah Menengah Kebangsaan (SMK) Tengku Ampuan Rahimah, Selangor, who were richer by RM2,000. The second-runner up was SMK Jalan Empat, Bandar Baru Bangi, Selangor, whose students Fruit Juice as an Electron Transfer Dye in a Dye-sensitized Solar Cell. They received a RM1,000 cash prize and a trophy.

Meanwhile, the best stall decoration award went to SMK Jalan Empat with their winning display of Pico Hydro Power Generator for Free Energy, which incidentally also won under the innovation category. All in all, the students won a cash prize of RM500, a trophy and a certificate.



Photo by Marina Ismail

This competition is to test the participants abilities in terms of developing cutting edge technology and to identify students who could excel in research and scientific innovation development (biology and substance), while developing students' potential and scientific skills as well as their communication and social skills.

L'oreal Malaysia Management Director, Andrew Stanleick expressed his confidence in the L'Oreal-UPM collaboration becoming the best platform to encourage budding scientists to showcase their talents.

"We see this as an opportunity for young students to cultivate their interest in science and see it as their potential career one day," he said.

In addition, Prof. Datin Paduka Dr. Aini Ideris, UPM Deputy Vice Chancellor (Academic and International) said the carnival had

served its purpose in showcasing scientific research outcomes and gathered budding scientists from prestigious schools to produce excellent students in the field of research through their involvement in scientific projects that are of international standard.

"The competition is able to develop students' creativity to a higher level, advancing scientific knowledge and enhancing the prestige of the schools as an intellectual development hub at the international level," she said.

The six schools that submitted a total of 12 projects for this year's competition were Sekolah Menengah Kebangsaan (SMK) Damansara Jaya, SMK Tengku Ampuan Rahimah, SMK Seafield, SMK USJ 13, SMK Jalan Empat, and Sekolah Menengah Agama Tinggi (SMAT) Sultan Hisamuddin.

Dogathon gathers 900 canines

By Noor Eszereen Jufri

SERDANG – A total of 900 canines were gathered at the 2012 Dogathon held recently at the Faculty of Veterinary Medicine, Universiti Putra Malaysia (UPM) to generate revenue for the establishment of the "Stray Animal Awareness and Stray Animal Neuter/Spay Project for PRO-KASIH.

Programme director, Lim Zhijian said the programme, with the witty slogan, 'Howl with the hounds or you're doomed!' was to help control the abandoned pets population by using a more humane approach.

"The programme also gives relevant exposure to the veterinary science students who could have a taste of what it feels like to be a veterinarian. Lim expressed the hope that the Dogathon would continue to be held regularly and attract a big crowd as well as sponsors, when speaking at the 2012 Dogathon opening at Expo Hill, UPM.

The various breeds of dogs participating in this Dogathon included Beagle, Chihuahua, Dachshund, Dalmation, Doberman, German Shepherd, Golden Retriever, Labrador Retriever, Mongrel, Pomeranian, Pug,

Schnauzer, Shih Tzu, Siberian Husky, Toy Poodle, Welsh Corgi and Yorkshire Terrier.

At the Dogathon, information was disseminated on pet care, pet health care, methods on how to care for strays and career information for those interested in being veterinarians.

UPM Deputy Vice Chancellor (Research and Innovation), Prof.Dato' Dr. Mohd Saleh Jaafar said in his opening speech that the programme would be a good platform for veterinary students to identify the stakeholders of the veterinary industry apart from having the opportunity to educate the public on pet care.

"The programme has become an iconic programme for veterinary students and new knowledge acquired can benefit students, academics and even the public," he said.

Also present at the function were the Dean of the Faculty of Veterinary Medicine, Prof.Dr. Mohd. Hair Bejo, Petpositive Chairman, Datuk Anthony Thanasayan who is also the Petaling Jaya Municipal Council Chairman and Miss Malaysia Universe 2009/2010, Thajuna Anan, who is also the PETA ambassador.

The first Dogathon was launched in 1997



as a platform to create public awareness on pet care and as an avenue to discuss effective solutions in pet care.





UPM Website Improves < 11

UPM launches its own Putra Medical Polyclinic > 8



ACHIEVEMENTS

UPM Wins Greentech University Award 2012

By Siti Hajar Parzi

KUALA LUMPUR - Universiti Putra Malaysia (UPM) grabbed the 'Greentech University Award 2012' under the silver category at the Malaysia 'GreenTech University Award 2012' award presenting ceremony held at the Kuala Lumpur Convention Centre (KLCC).

The GreenTech Malaysia Award recognized initiatives by individuals, companies and organizations that brought improvements and positive changes to the environment and have contributed efficiently toward the success of green technology development in Malaysia.

Deputy Prime Minister, Tan Sri Muhyiddin Mohd Yassin who officiated the event also presented the award to UPM's representative, Deputy Vice Chancellor (Industry Relations and Community) Prof. Ir. Dr. Renuganth Varatharajoo.

UPM shared the 'Greentech University Award 2012' under the silver category with Asia Pacific ICTI Sdn Bhd. There were five categories contested, which are Platinum, Gold, Silver, Special Awards and ASEAN Energy Awards.

Minister of Energy, Green Technology and Water, Dato' Seri Peter Chin Fah Kui, said the government will continue the effort to create more business opportunities and investments



that are of green technology based for local entrepreneurs and business sectors.

"Focus will be on efforts of varying local green service products that can reduce impact on the environment, for instance climate change, pollution and the scarcity of water and energy resources.

"In this matter, my ministry will strive to do our best in ensuring that green initiatives will continue to be the main agenda," he said in his speech.

In addition, Tan Sri Muhyiddin said the award would be the catalyst to more

implementation in green initiatives and having big potentials toward country development.

"It is the government's hope that the award recipients will continue to assist them in spreading the awareness on the importance of green practice and generally toward the national green technology development," he said at the award ceremony hosted by Malaysian Green Technology Corporation and the Ministry of Energy, Green Technology and Water.



UPM wins 6 Gold, 3 Special Awards in BioMalaysia

By Hafiza Hussin (PSP)

KUALA LUMPUR - Universiti Putra Malaysia (UPM) won six gold, four silver, and four bronze medals at the recent BioMalaysia 2012 Conference and Exhibition held at the Kuala Lumpur Convention Centre (KLCC).

Other than medals, UPM also garnered three special awards - two BioInnovation Awards and the MIMOS Prestigious Award.

The Biotechnology Innovation of the Year award was presented by the Minister of Science, Technology and Innovation, Datuk Seri Panglima Dr. Maximus Ongkili to Prof. Dr. Maznah Ismail from the Institute of Bioscience for her product known as "Kenaf Bio-Oil From Waste To Health and Wealth", which was also a gold medal winner.

Her product is based on a novel breakthrough concept that ultimately transforms low-cost kenaf seed into a high value-added health-promoting product.

Prof. Dr. Suhaila Mohamed, also from the Institute of Bioscience, received the Women Bio Innovator of the Year award. Her entry, a product known as "Promolaktin: Milk Production Enhancer from Cultivated Seaweeds", is a milk-production enhancer dietary supplement, derived from anti-estrogenic vegetables, that increases milk production and is believed to suppress hormone-related cancers.

Dr. Mohammad Hossin, who studied for his PhD. at the Faculty of Computer Science and Information Technology won the MIMOS Prestigious Award for his research entitled "Hybrid Performance Measures and Mixed Evaluation Method for Data Classification Problems".

The BioInnovation Awards, were presented in conjunction with the BioMalaysia 2012 Conference and Exhibition jointly organised by the Ministry of Science, Technology and Innovation (MOSTI), Malaysian Biotechnology Corporation Sdn. Bhd. and Protemp Exhibitions Sdn. Bhd.

To cap it all, UPM's display also scooped the "Most Creative Booth Design award at the exhibition.

Full results:

Special Awards (BioInnovation Awards)

1. Prof. Dr. Maznah Ismail (Institute of Bioscience) - Kenaf Bio-Oil From Waste to Health and Wealth BioInnovation Awards (Biotechnology Innovation of the Year)
2. Prof. Dr. Suhaila Mohamed (Institute of Bioscience) - Promolaktin: Milk Production Enhancer from Cultivated Seaweeds - BioInnovation Awards (Women Bio Innovator of the Year)
3. Dr. Mohammad Hossin (Faculty of Computer Science & Information Technology) "Hybrid Performance Measures and Mixed Evaluation Method for Data Classification Problems"- MIMOS Prestigious Award

BioMalaysia 2012 Conference and Exhibition GOLD MEDAL

1. Prof. Dr. Maznah Ismail (Institute of Bioscience) - Kenaf Bio-Oil From Waste To Health And Wealth.
2. Prof. Dr. Suhaila Mohamed (Institute of Bioscience) - Bonex : Bone mineral density enhancer from oil palm leaf extract.
3. Prof. Dr. Suhaila Mohamed (Institute of Bioscience) - Adx : A helath promoting anti-oil absorption additive for frying oil
4. Dr. Ali Karami Varnamkhasti (Faculty of Medicine & Health Sciences) - A high-performance kit for detection of carcinogenic compounds in fish.
5. Prof. Dr. Suhaila Mohamed (Institute of Bioscience) - Promolaktin : Milk Production Enhancer from Cultivated Seaweeds
6. Dr. Ali Karami Varnamkhasti Faculty of Medicine & Health Sciences) - An economical environmental pollution indicator

Dr. M. Iqbal wins Outstanding Young Malaysian Award

By Khairul Anuar Muhamad Noh

SERDANG - UPM lecturer and researcher, Assoc. Prof. Dr. M. Iqbal Saripan, 32, won The Outstanding Young Malaysian Award (TOYM) in the Medical Innovation category.

Dr. Iqbal, who is the Head of the Department of Computer and Communication Systems Engineering, Faculty of Engineering research focus includes the field of signal processing / digital images, medical imaging, biomedical engineering and audio and video processing.

He has discovered an innovative method which enables early detection of cancer cells using nuclear imaging, known as Wired Network collimator, which can detect cancers cells as small as one millimeter in size, and a modified collimator with no side effects of radiation to the patient.

"Medical innovation not only involves the participation of medical doctors and patients, but also engineers. Most sophisticated diagnostic machines in hospitals are in fact the outcomes of advances in engineering science", he explained.

"The coexistence of medical information and engineering has resulted in a new field of biomedical engineering. This multidisciplinary field combines expertise from different backgrounds to achieve a common objective, namely the advancement

of medical facilities for the benefit of society," said Dr Iqbal in his speech after receiving the award which comes with a certificate and trophy.

He described efforts to detect cancer cells at an early stage as a very crucial area of research in the medical field.

Two other UPM researchers who were also among the 30 finalists for TOYM 2012 were Assoc. Prof. Dr. Alyani Ismail, who is also from the Department of Computer and Communication Systems Engineering, Faculty of Engineering, UPM (Academic Leadership and/or Accomplishment category) and Assoc. Prof. Dr. Cheah Yoke Kqueen from the Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, UPM (Scientific and Technological Development category) Each of the 30 finalists received a certificate and plaque.

Dr. Iqbal emulates the achievement of Prof. Dr. Mohd Adzir Mahdi from the Department of Computer and Communication Systems Engineering, Faculty of Engineering, who won the same award in the Scientific and Technological Development category in 2010.

Other award categories in TOYM 2012 were Business, Economic and/or Entrepreneurial Accomplishment, Political, Legal and/or Government Affairs, Cultural Achievement, Moral and/or Environmental Leadership, Contribution to Children, World



Peace and/or Human Rights, Humanitarian and/or Voluntary Leadership and Personal Improvement and/or Accomplishment.

TOYM 2012, which was the 27th in the annual award series, was organised by Junior Chamber International Kuala Lumpur, Mandarin section (JCIM) to recognize the achievements of young Malaysian researchers and innovators aged between 18 and 40 years in their respective fields and their contributions to the general good of the community.