

**KERATAN AKHBAR-AKHBAR TEMPATAN  
TARIKH: 25 OKTOBER 2015 (AHAD)**

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ABU BAKAR MOHAMAD DIAH



MD. AFFENDI HAMDAN

## Perkembangan teknologi, inovasi jadi medium persaingan PKS

**KUALA LUMPUR 24 Okt.** - Sektor perusahaan kecil dan sederhana (PKS) di negara ini perlu menjadikan perkembangan teknologi dan inovasi sebagai salah satu medium untuk bersaing secara sihat dalam usaha mempertingkatkan pencapaian sektor tersebut di negara ini.

Timbalan Menteri Sains dan Inovasi, **Datuk Dr. Abu Bakar Mohamad Diah** berkata, hal ini disebabkan kebanyakan produk dan perkhidmatan yang diberikan oleh syarikat terlibat mempunyai banyak persamaan dalam merebut pasaran dan keuntungan. Beliau yakin PKS di negara ini akan terus berkembang walaupun keadaan ekonomi dan pasaran semasa tidak menentu.

"PKS sangat penting dalam memacu ekonomi negara. Ia menunjukkan peningkatan sebanyak 3.27 peratus pada tahun lepas bagi 100 syarikat berdaya saing di negara ini. "Pertumbuhan ini melebihi peningkatan keluaran dalam negara kasar (KDNK) seluruh negara sebanyak lima peratus pada tahun lepas," katanya ketika berucap dalam majlis Anugerah PKS 100 di sini semalam.

Yang turut hadir Presiden Enterprise Asia, Datuk William Ng dan Presiden Persatuan Syarikat Kecil dan Sederhana Malaysia (Samenta), Koay Chiew Guan.

Anugerah tersebut diadakan bagi mengenal pasti dan mengiktiraf syarikat yang berkembang pesat dalam sektor tersebut berdasarkan kriteria ditetapkan.

Sebanyak 100 syarikat terbaik tel-



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**ABU BAKAR MOHAMAD DIAH**  
Timbalan Menteri Sains dan Inovasi

ah dipilih pada pertandingan kali ini. Antara penerima anugerah termasuklah RaffComm Technologies Sdn. Bhd. (RaffComm Technologies).

Sementara itu, Ketua Pegawai Eksekutif RaffComm Technologies, **Datuk Md. Affendi Hamdan** berkata, anugerah yang dimenangi buat julung-julung kalinya itu mampu memberi suntikan untuk memperluaskan pasaran syarikatnya ke peringkat ASEAN.

"Kami akan berkembang lagi melalui pelbagai medium yang sedia. Kami telah meneroka sehingga ke Laos dan Kemboja setakat ini dan akan terus berkembang di masa depan.

"Sasaran kami pada tahun ini akan cuba mencapai pendapatan RM23 juta berbanding tahun lepas iaitu RM21 juta," katanya yang juga Ahli Lembaga Pengarah Kumpulan Utusan.



## Bajet 2016 Berupaya Tingkat Peratus Pengkomersilan Produk - Abu Bakar

MELAKA, 25 Okt (Bernama) -- Peruntukan berjumlah RM1.5 bilion yang disalurkan menerusi Bajet 2016 kepada Kementerian Sains, Teknologi dan Inovasi (MOSTI) dilihat berupaya membantu meningkatkan peratus pengkomersilan produk penyelidikan dan pembangunan (R&D).

Timbalan Menterinya Datuk Dr Abu Bakar Mohamad Diah berkata peruntukan itu juga secara tidak langsung akan menjayakan matlamat Tahun Pengkomersilan Malaysia pada tahun hadapan.

"Saya pasti peruntukan ini dapat membantu lebih ramai penyelidik untuk mengkomersilkan produk yang dihasilkan melalui pelbagai agensi di bawah MOSTI," katanya kepada Bernama selepas merasmikan penutupan 'Engineering Technology Exhibition 2015', di Universiti Multimedia di sini, Ahad.

Beliau diminta mengulas peruntukan itu kepada MOSTI dalam usaha menjadikan negara sebagai hab teknologi yang kompetitif di rantau ini.

Mengulas lanjut, katanya, peruntukan berkenaan juga dilihat akan membantu negara untuk mencapai 360 produk penyelidikan yang dikomersilkan menjelang 2020 menerusi Tahun Pengkomersilan MOSTI yang dilancarkan tahun lepas.

Terdahulu, beliau menyampaikan Anugerah MyRIS Gold kepada Sekolah Menengah Kebangsaan Kota Kemuning, Shah Alam, Selangor bagi kategori sekolah, dan University of Nottingham Malaysia Campus (kategori institusi pengajian tinggi).

Anugerah World Invention Intellectual Property Association pula dimenangi Universiti Multimedia.

-- BERNAMA

KERATAN AKHBAR  
NEW SUNDAY TIMES (CARS BIKES TRUCKS): MUKA SURAT V5  
TARIKH : 25 OKTOBER 2015 (AHAD)

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# HYDRAULIC POWER FOR MULTI RESCUE

The MRV is robust, reliable and environmentally friendly

**H**YDRAULIC drive system technology has been around since the early Forties, but the usage of it in the modern day has been somewhat non-existent.

The reason for this is simply because nobody has actually managed to utilise and apply it correctly, but that is all about to change, as Malaysia's very own WKL group under the supervision of genius inventor Datuk Dr Low Wai Koon has created an emergency response vehicle powered by what they call the hydraulic powered drive system (HPDS).

Supported and funded by Malaysia's Ministry of Science, Technology and Innovation (MOSTI) Low's multi rescue vehicle (MRV) was created to be both environmentally friendly as well as robust and reliable enough to carry out rescue missions whenever called upon.

It has special features that enable it to be completely submerged under water and still be operational, a tough 4WD mode to tackle difficult terrain as well as fire fighting capabilities.

The MRV's versatile attributes make it the perfect vehicle to help in natural disaster relief missions, but at the heart of it all is still Low's HPDS.

The HPDS system works in tandem with a conventional combustion engine to power a hydraulic pump and hydraulic drive system (motor).

The diesel engine is used to drive the hydraulic pump which then pumps hydraulic fluids to the hydraulic motor. The hydraulic motor will then power the axle to produce drive and an astounding amount of torque. As an example, the MRV that comes with a naturally aspirated 2.0-litre Nissan diesel engine can produce 7,000Nm of torque to the rear wheels. This is a vast amount especially compared



Low and his MRV could possibly change how future rescue missions are conducted.

with a diesel-powered tractor with a 5.0-litre engine that only produces 900Nm of torque. Because of the big amount of power that it can produce from a smaller engine, the HPDS is also environmentally friendly, which in turn also achieves WKL's targets for the system.

"The MRV is our second HPDS vehicle after our Proton Wira prototype. We have actually tested it on the field and used it to rescue people during the big Temerloh floods last year," said Low.

"We went into places where the fire-fighting rescue vehicles could

not reach people due to the floods. The MRV has water propulsion systems that can instantly transform it into a fire engine. It also has a built in generator which can help power up two houses at one go."

The Temerloh MRV rescue mission received much praise and gave

it worldwide interest. This has led to many international enquiries regarding the rescue vehicle.

Since the MRV is only a working prototype, WKL and MOSTI have no intentions in selling it. Instead, a 2.0-litre MRV with better and polished performance as well as aesthetics is being built for commercialisation. It will have more tech and abilities such as electric power driving systems (EPDS), Garmin sonar detectors, waterproof up to 6.2 feet, ascend and descend braking systems, pull and pushing power 15 times its weight as well as the ability to stay submerged in deep water and more.

"We hope to be able to equip every state in Malaysia with a MRV 2.0. This will help give a fighting chance whenever there is a natural disaster. From previous experiences, we can definitely say that sometimes our emergency services do not have the right tools to help people. We hope that by giving Malaysia and the world the MRV 2.0, relief efforts can be faster with a better rate of success," said WKL managing director Datuk Azman Yusoff.

For more information, visit [www.lwkgreen.com.my](http://www.lwkgreen.com.my)

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