SIRIM BAGS SEVEN MEDALS AT ITEX 2019
Antifungal cream from Rambutan skin among SIRIM Gold Winners

SHAH ALAM, 3 May 2019: SIRIM, a leading research and technology agency under the Ministry of International Trade and Industry (MITI) recorded an outstanding achievement when all seven projects exhibit won medals at the International Exhibition, Innovation and Technology Exhibition (ITEX) 2019, recently.

SIRIM won four gold medals and three silver medals including one special award for Best Invention for Research Institutions Category.

The four gold medal winners were Natural Bioactive Dermatocide Antifungal Cream, the innovation was also awarded as the Best Invention for Research Institutions Category; Water Scarcity Footprint Apps; Eco Substrate for Coral Restoration & Rehabilitation of Marine Eco System; and Quantum Dot Light Emitting Diode QLED Device for General Lighting Applications.

Natural Bioactive Dermatocide Antifungal Cream formulated with extract obtained from waste rind of Nephelium Lappaceum (rambutan skin) have multispectral anti-fungal activity, anti-inflammatory and anti-oxidant activity with National Pharmaceutical Regulatory Agency (NPRA) requirement, this innovation led by Thavamanithevi Subramaniam was innovated to improve skin and nails discomfort.

Water Scarcity Footprint Apps (WaSFA) offers solutions to the issues affecting water security by using the water footprint assessment approach to assist in assessing the magnitude of potential environmental impact related to water such as water scarcity.

Eco Substrate for Coral Restoration & Rehabilitation of Marine Eco System has specific mineral properties which are developed to produce microporous structure through material processing to mimic the complex architecture of a natural substrate. These characteristics will enhance bio-film development to attract rapid growth of red crustose algae that is important to the marine ecosystem.

Quantum Dot Light Emitting Diode QLED Device for General Lighting Applications is an alternative lighting system for conventional light sources such as incandescent and fluorescent lighting. The innovation is energy savings that uses small amount of electricity; flexible and has high colour purity of light that is comfortable for human eyes.

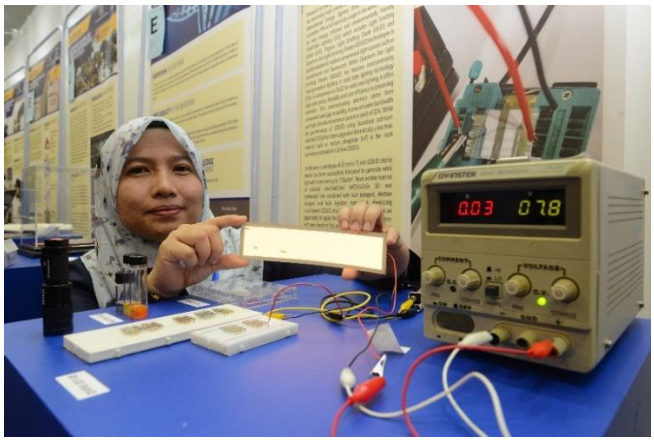
Meanwhile, the three silver medals were Underwater Fish Attraction LED Lamp (UFAL); Low Pressure Storage System; and Lab on Chip for Molecular Diagnostic.

The 30th instalment of ITEX was held at Kuala Lumpur Convention Centre from 2 to 4 May 2019, themed “Inventing for Digital Era” showcases more than 1,000 inventions, technologies and products by inventors from over 20 countries.

SIRIM won four gold medals and three silver medals including one special award for Best Invention for Research Institutions Category at the International Exhibition, Innovation and Technology Exhibition (ITEX) 2019 recently.

Natural Bioactive Dermatocide Antifungal Cream from Rambutan Skin won gold medal and awarded the Best Invention for Research Institutions Category at ITEX 2019.

(*For further interview on this project please contact Amalia Hasannudin)*



Quantum Dot Light Emitting Diode QLED Device for General Lighting Applications

Eco Substrate for Coral Restoration & Rehabilitation of Marine Eco System

Water Scarcity Footprint Apps (WaSFA)

SIRIM MENANG TUJUH PINGAT PADA ITEX 2019
Krim anti kulat dari kulit rambutan antara penerima pingat emas

SHAH ALAM, 7 Mei 2019: SIRIM, sebuah agensi penyelidikan dan teknologi di bawah Kementerian Perdagangan Antarabangsa dan Industri (MITI) mencatat kejayaan apabila kesemua tujuh projek pameran agensi itu memenangi pingat di Pameran Reka Cipta, Inovasi dan Teknologi Antarabangsa (ITEX) 2019, baru-baru ini.

SIRIM membawa pulang empat pingat emas dan tiga pingat perak selain menerima anugerah Reka Cipta Terbaik di bawah kategori Institusi Penyelidikan.

Kesemua empat pingat emas adalah Krim Anti Kulat *Bioactive Dermatocide* Semula Jadi, inovasi ini turut memenangi Anugerah Reka Cipta Terbaik di bawah Kategori Institusi Penyelidikan; *Water Scarcity Footprint Apps; Eco Substrate for Coral Restoration & Rehabilitation of Marine Eco System; and Quantum Dot Light Emitting Diode QLED Device for General Lighting Applications.*

Krim Anti Kulat *Bioactive Dermatocide* Semula Jadi diformulasikan dengan ekstrak dari bahan buangan Nephelium Lappaceum iaitu kulit rambutan yang mempunyai aktiviti anti-kulat multispektral, aktiviti anti-radang dan anti-oksidan yang menepati keperluan Bahagian Regulatori Farmasi Negara (NPRA), inovasi ini yang diketuai Thavamanithevi Subramaniam diinovasikan untuk merawat ketidakselesaan kulit dan kuku.

Water Scarcity Footprint Apps (WaSFA) menawarkan penyelesaian kepada isu-isu yang mempengaruhi keselamatan air dengan menggunakan pendekatan penilaian kesan air atau *water footprint* untuk membantu menilai magnitud kebarangkalian kesan alam sekitar yang berkaitan dengan air seperti isu kekurangan air.

Eco Substrate for Coral Restoration & Rehabilitation of Marine Eco System mempunyai sifat-sifat mineral tertentu yang dibangunkan untuk menghasilkan struktur *microporous* melalui pemprosesan bahan untuk meniru seni bina kompleks tukun semula jadi. Ciri-ciri ini akan meningkatkan pembangunan bio-filem untuk menarik pertumbuhan pesat alga merah yang penting kepada ekosistem laut.

Quantum Dot Light Emitting Diode QLED Device for General Lighting Applications adalah sistem pencahayaan alternatif untuk sumber cahaya konvensional seperti lampu pijar dan kalimantang. Inovasi ini mampu menjimatkan tenaga; fleksibel dan mempunyai pencahayaan yang sesuai untuk mata manusia.

Sementara itu, bagi tiga pingat perak dimenangi projek *Fish Attraction LED Lamp (UFAL); Low Pressure Storage System; dan Lab on Chip for Molecular Diagnostic.*

Anugerah ITEX yang ke-30 berlangsung di Pusat Konvensyen Kuala Lumpur dari 2 hingga 4 Mei 2019, bertemakan "Inventing for Digital Era" yang mempamerkan lebih 1,000 ciptaan, teknologi dan produk oleh pencipta dari lebih 20 negara.