



# ITDI S&T MEDIA SERVICE

www.itdi.dost.gov.ph

## Health & Wellness Technologies Take Center Stage @3<sup>rd</sup> ITDI Technology Offering

*Have you ever tinkered at the possibility of having your own business by processing materials that are not only abundant but also available right in your own backyard or community? Natural-based products can be born out of these home-grown plants and materials and while doing so, experts are at hand to assist you in the process.*

### Open the door to your own business

Start with DOST-ITDI technologies and join us at our  
Technology Offering - Third Series



These are just some of the endless possibilities that are bound to happen in the upcoming third series of ITDI Technology Offering on Dec. 6, 2017 at the FNRI (Food and Nutrition Research Institute) auditorium in Bicutan, Taguig City.

Better check this out! The event is open to the public and attendance is FREE! Two slots are available per company, on a First Come First Served basis.

Our Business is Industry

Department of Science and Technology INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE  
DOST Compound, General Santos Avenue, Bicutan, Taguig City Tel.: 837-2071 locals 2214/2265

In this third of five series of technology offering, technologies developed by ITDI scientists and researchers catering to health and wellness of people will be featured. These are:

1. Novel slimming agent in a fat-burner cream
2. Herbal-based analgesic balm
3. SADUMA (saba, duhat, malunggay) natural antidiabetic health supplement
4. Hard carrageenan capsules from seaweeds
5. High dietary fiber from calamansi waste
6. Salt iodization machine

Developed by one of ITDI scientists, Dr. Rosalinda Torres, the slimming agent in a fat-burner cream contains phytoactives of grafefruit oil and caffeine. *“This novel product has significantly reduced weight, waist, and hip measurements during an 8-week clinical trial”* claims Dr. Torres. She further adds, *“It is also a safe and cost-effective alternative to more expensive formulations in the market.”*



Another technology of Dr. Torres was developed from local plant materials that are abundant almost everywhere in the country. With the acronym SADUMA (for *saba*, *duhat*, and *malunggay*), this is a natural antidiabetic health supplement that comes in capsule or tea bag. In the capsule or tea bag is a powder mixture containing dried concentrated extracts from *malunggay* leaves, *duhat* leaves, and unripe banana (*saba*) fruit. *“This supplement is an effective blood sugar-lowering agent, that can lower blood glucose level from 600 mg/dL and above to normal value of 120 mg/dL,”* said Dr. Torres.







Likewise, an analgesic balm or liniment from natural essential oils that can relieve pain or discomfort was also developed.

Harnessing of our local plant materials and resources by our scientists has indeed produced more health and wellness-promoting goods that can have a potential impact on the industry.



Through the efforts of Dr. Annabelle V. Briones, ITDI Deputy Director for R&D, hard carrageenan capsule was developed from our local seaweeds. According to her, *“These can be used as substitute for the imported animal-based gelatin capsules, as soluble container for drug substances.”*



High dietary fiber from calamansi waste was also developed by Dr. Briones. Dietary fiber is a non-digestible carbohydrate substance found in plants; usually from the edible cell structure, seeds, and peels of various fruits and vegetables like calamansi wastes. Dr. Briones says, *“This product provides some health benefits like helping regulate digestion and eliminating*

*unwanted products from the intestines, that help improve gastro-intestinal health; as well as increasing satiety that helps in weight management, among others.”*



# ITDI S&T MEDIA SERVICE

[www.itdi.dost.gov.ph](http://www.itdi.dost.gov.ph)

In addition, to help small salt processors comply and keep up with the ASIN (An Act for Salt Iodization Nationwide) Law, ITDI's Engr. Carlos de Vera developed the salt iodization machine. Using the machine makes the salt iodizing process easily controlled and precise for both fine and coarse salt, with consistent and evenly-distributed iodine content. Iodized salt is thus made easily available in communities, which is a big help in addressing the iodine deficiency problem especially among schoolchildren.



With this line up of technologies, having good health and wellness is thus achievable. What more, your own business could come out of it!

During the event, there will be technology pitching, consultations, exhibit, and product sampling.

To learn more about the technologies and how to register, please visit our website: [itdi.dost.gov.ph](http://itdi.dost.gov.ph) or <https://tsd2017.wixsite.com/technooffering>; or engage with us through our Facebook page, DOST ITDI Updates.

You may also email us at [tsd@itdi.dost.gov.ph](mailto:tsd@itdi.dost.gov.ph) or call at tel. nos. 837-6156 (telefax), 837-2071 to 82 local 2228 or 2270.

Meanwhile, the 4<sup>th</sup> and 5<sup>th</sup> series of ITDI Technology Offerings will be held as scheduled, also at the FNRI auditorium on January 16, 2018 - Green Engineering; and February 15, 2018 - Advanced Technology (nanotechnology).  
(VBConoza, ITDI S&T Media Service)

---

Our Business is Industry

Department of Science and Technology INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE  
DOST Compound, General Santos Avenue, Bicutan, Taguig City Tel.: 837-2071 locals 2214/2265



*ITDI*  
**S&T MEDIA SERVICE**

[www.itdi.dost.gov.ph](http://www.itdi.dost.gov.ph)

---

*Our Business is Industry*

Department of Science and Technology INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE  
DOST Compound, General Santos Avenue, Bicutan, Taguig City Tel.: 837-2071 locals 2214/2265